

Online User's Guide

MFC-L8900CDW

!CAUTION Before using this product, read carefully these instructions for correct operation. Keep the User's Guide in a secure place for future reference.

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▲ Home > Before You Use Your Brother Machine

Before You Use Your Brother Machine

- Definitions of Notes
- Trademarks
- Important Note

▲ Home > Before You Use Your Brother Machine > Definitions of Notes

Definitions of Notes

We use the following symbols and conventions throughout this User's Guide:

▲ WARNING	WARNING indicates a potentially hazardous situation which, if not avoided, could result in death or serious injuries.
▲ CAUTION	CAUTION indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injuries.
IMPORTANT	IMPORTANT indicates a potentially hazardous situation which, if not avoided, may result in damage to property or loss of product functionality.
NOTE	NOTE specifies the operating environment, conditions for installation, or special conditions of use.
	Tips icons indicate helpful hints and supplementary information.
A	Electrical Hazard icons alert you to possible electrical shock.
	Fire Hazard icons alert you to the possibility of a fire.
	Hot Surface icons warn you not to touch hot machine parts.
\Diamond	Prohibition icons indicate actions you must not perform.
Bold	Bold style identifies buttons on the machine's control panel or computer screen.
Italics	Italicised style emphasises an important point or refers you to a related topic.
Courier New	Courier New font identifies messages shown on the machine's LCD.

Related Information

• Before You Use Your Brother Machine

▲ Home > Before You Use Your Brother Machine > Trademarks

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Related Information

· Before You Use Your Brother Machine

▲ Home > Before You Use Your Brother Machine > Important Note

Important Note

- Do not use this product outside the country of purchase as it may violate the wireless telecommunication and power regulations of that country.
- Windows 10 in this document represents Windows 10 Home, Windows 10 Pro, Windows 10 Education and Windows 10 Enterprise.
- Windows Server 2008 in this document represents Windows Server 2008 and Windows Server 2008 R2.
- The screens in this User's Guide are for illustration purposes only and may differ from the actual screens.
- Unless otherwise specified, the screens in this manual are from Windows 7 and macOS v10.10.5 Screens on your computer may vary depending on your operating system.
- The contents of this guide and the specifications of this product are subject to change without notice.

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Related Information

· Before You Use Your Brother Machine

▲ Home > Introduction to Your Brother Machine

Introduction to Your Brother Machine

- Before Using Your Machine
- Control Panel Overview
- Touchscreen LCD Overview
- How to Navigate the Touchscreen LCD
- · Customisation of Your Machine
- Access Brother Utilities (Windows)

▲ Home > Introduction to Your Brother Machine > Before Using Your Machine

Before Using Your Machine

Before attempting any printing operation, confirm the following:

- Make sure you have installed the Brother software and drivers.
- For USB or network cable users: Make sure the interface cable is physically secure.

Simultaneous printing, scanning and faxing

Your machine can print from your computer while sending or receiving a fax into memory or while scanning a document into the computer. Fax sending will not be stopped during printing from your computer. However, when the machine is copying or receiving a fax on paper, it pauses the printing operation, and then continues printing when copying or fax receiving has finished.

Firewall (Windows)

If your computer is protected by a firewall and you are unable to network print, network scan, or PC-FAX, you may need to configure the firewall settings. If you are using the Windows Firewall and you installed the drivers using the steps in the installer, the necessary firewall settings have been already set. If you are using any other personal firewall software, see the User's Guide for your software or contact the software manufacturer.

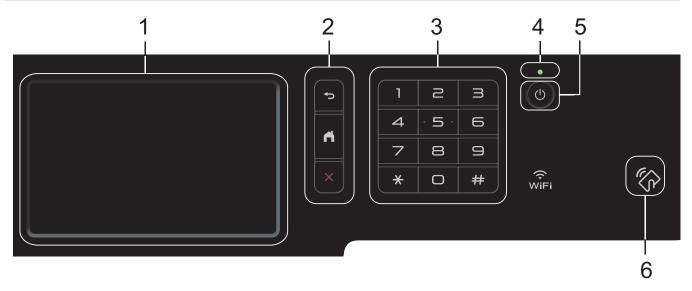


Related Information

Introduction to Your Brother Machine

▲ Home > Introduction to Your Brother Machine > Control Panel Overview

Control Panel Overview



1. Touchscreen Liquid Crystal Display (LCD)

Access menus and options by pressing them on the touchscreen.

2. Menu Buttons



Press to go back to the previous menu.



Press to return to the Main Home screen.

(Cancel)

Press to cancel an operation.

3. Dial Pad (Numerical buttons)

Press the Numerical buttons to dial telephone or fax numbers and to enter the number of copies.

4. LED Power Indicator

The LED lights up depending on the machine's power status.

5. OP Power On/Off

- Turn the machine on by pressing
- Turn the machine off by pressing and holding down (b). The LCD displays [Shutting Down] for a few seconds before going off. If you have an external telephone or TAD connected, it is always available.

6. Near Field Communication (NFC) Reader

You can use card authentication by touching the IC card to the NFC Reader on the control panel.

If your Android[™] device supports the NFC feature, you can print from your device or scan documents to your device in the same way.

Related Information

Introduction to Your Brother Machine

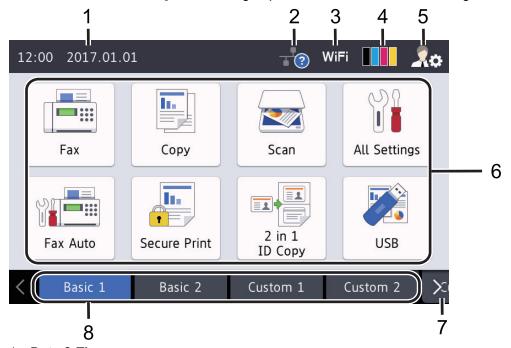
▲ Home > Introduction to Your Brother Machine > Touchscreen LCD Overview

Touchscreen LCD Overview

Your machine has eight tabbed screens (referred to as Home screens). Each Home screen can hold up to eight icons which can be used for functions, machine settings and shortcuts. A total of 64 icons can be placed on the Home screens as needed.

The Main Home screen can be selected from the Home screens.

Use the [Admin Settings] menu to group names on the tabs and rearrange the icons.



1. Date & Time

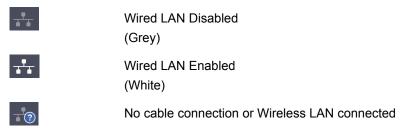
Displays the date and time set on the machine.

This area is also used to display error or maintenance messages.

2. (Wired LAN Status)

Press to configure the Wired LAN settings.

The icon displays the current wired network status.



3. WiFi or (Wireless Status)

Press to configure wireless settings.

If you are using a wireless connection, a four-level indicator displays the current wireless signal strength.



4. (Toner)

Displays the remaining toner life. Press to access the [Toner] menu.

5. (Admin Settings)

Press to access the [Admin Settings] menu.

6. Function Icons, Setting Icons and Shortcut Icons

The following descriptions explain basic icons and features. The available features vary depending on your model.

• [All Settings]

Press to access the machine's settings menu.

• [Fax]

Press to access Fax mode.

• [Copy]

Press to access Copy mode.

• Scan]

Press to access Scan mode.

• [Secure Print]

Press to access the [Secure Print] option.

• **[USB]**

Press to access the USB menu and select [Scan to USB] or [Direct Print] options.

• [Receive Mode]

Press to access the [Receive Mode] menu.

The machine will transfer the received fax data to the designated computer and the fax data will not remain in your machine in the PC-Fax mode. Machine will print received faxes if you turn on the backup print setting.

To change the backup print setting, press [All Settings] > [Fax] > [Setup Receive] > [Receive Mode] > [PC Fax Receive]

• [2 in 1 ID Copy]

Press to access the 2 in 1 ID Copy option.

• (Shortcuts)

Press to access the created Shortcuts for frequently-used operations, such as sending a fax, copying and scanning.

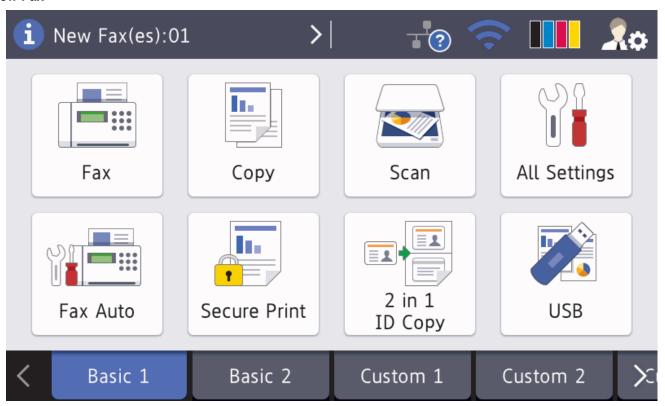
7. Tabs Scroll Buttons

Press to display and access all the tabs.

8. Home Tabs

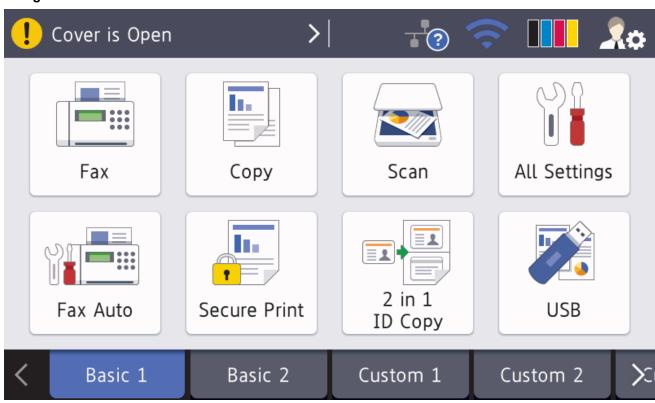
Press to display the screen for the Home.

New Fax



When [Fax Preview] is set to [On], the number of new faxes you received into the memory appears at the top of the screen.

Warning icon



The warning icon ____ appears when there is an error or maintenance message. Press the message area to view it, and then press ____ to return to the Main Home screen.

NOTE

This product adopts the font of ARPHIC TECHNOLOGY CO.,LTD.

\checkmark

Related Information

- Introduction to Your Brother Machine
- · Customisation of Your Machine

▲ Home > Introduction to Your Brother Machine > How to Navigate the Touchscreen LCD

How to Navigate the Touchscreen LCD

Press your finger on the LCD to operate it. To display and access all the options, swipe left, right, up, down or press ◀▶ or ▲ ▼ on the LCD to scroll through them.

The following steps explain how to change a machine setting. In this example, the LCD Backlight setting is changed from [Light] to [Med].

IMPORTANT

DO NOT press the LCD with a sharp object, such as a pen or stylus. It may damage the machine.

NOTE

DO NOT touch the LCD immediately after plugging in the power cord or turning on the machine. Doing this may cause an error.

1. Press [Settings].



If your machine displays the [All Settings] menu on the Home screen, skip this step.

- 2. Press [All Settings].
- 3. Swipe up or down or press ▲ or ▼ to display the [General Setup] option, and then press [General Setup].

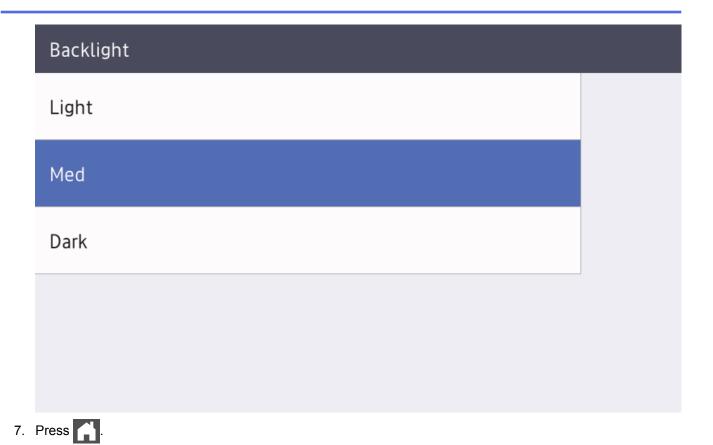


4. Swipe up or down or press ▲ or ▼ to display the [LCD Settings] option, and then press [LCD Settings].

General Setup	
Tray Setting	
Volume	
LCD Settings	
Notice Settings	
Ecology	

Press [Backlight].

6. Press [Med].



· Introduction to Your Brother Machine

▲ Home > Introduction to Your Brother Machine > Customisation of Your Machine

Customisation of Your Machine

When you press , the machine displays the [Admin Settings] menu. To restrict access to this menu, you can set an administrator password to protect it.



This password is the same as the administrator password for Web Based Management.

The [Admin Settings] menu allows you to customise Home screen names and the arrangement of icons on the screens.

The [Home Screen Settings] menu and the [Other Screen Settings] menu provide the following functions:

- · Renaming Home screen tabs
- · Adding, removing and repositioning icons on Home screens
- Setting your Main Home screen
- Selecting screen background colour
- · Changing the default functions for the Copy screen and the Scan screen

The [Admin Settings] menu allows you to manage permissions and restrictions.

The [Restriction Management] menu provides the following functions:

- · User Restriction
 - Secure Function Lock
 - Active Directory Authentication
 - LDAP Authentication
- Setting Lock (detailed settings are available.)

For more information, see Related Information. Network Security Features and Lock the Machine Settings.

Related Information

- · Introduction to Your Brother Machine
- Touchscreen LCD Overview
- Network Security Features
- Lock the Machine Settings

▲ Home > Introduction to Your Brother Machine > Access Brother Utilities (Windows)

Access Brother Utilities (Windows)

Brother Utilities is an application launcher that offers convenient access to all Brother applications installed on your computer.

- 1. Do one of the following:
 - (Windows 7)
 - Click (Start) > All Programs > Brother > Brother Utilities.
 - (Windows 8)
 - Tap or click (Brother Utilities) either on the Start screen or the desktop.
 - (Windows 8.1)
 - Move your mouse to the lower left corner of the **Start** screen and click (if you are using a touch-based device, swipe up from the bottom of the **Start** screen to bring up the **Apps** screen).
 - When the **Apps** screen appears, tap or click (Brother Utilities).
 - (Windows 10)
 - Click # Brother > Brother Utilities.
- 2. Select your machine (where XXXX is the name of your model).



3. Choose the operation you want to use.

Related Information

- · Introduction to Your Brother Machine
- Uninstall the Brother Software and Drivers (Windows)

■ Home > Introduction to Your Brother Machine > Access Brother Utilities (Windows) > Uninstall the Brother Software and Drivers (Windows)

Uninstall the Brother Software and Drivers (Windows)

- 1. Do one of the following:
 - (Windows 7)

Click (Start) > All Programs > Brother > Brother Utilities.

• (Windows 8)

Tap or click [Fig. (Brother Utilities) either on the Start screen or the desktop.

(Windows 8.1)

Move your mouse to the lower left corner of the **Start** screen and click (if you are using a touch-based device, swipe up from the bottom of the **Start** screen to bring up the **Apps** screen).

When the **Apps** screen appears, tap or click (Brother Utilities).

• (Windows 10)

Click **Brother > Brother Utilities**.

2. Click the drop-down list, and then select your model name (if not already selected). Click **Tools** in the left navigation bar, and then click **Uninstall**.

Follow the instructions in the dialog box to uninstall the software and drivers.

Related Information

· Access Brother Utilities (Windows)

▲ Home > Paper Handling

Paper Handling

- Load Paper
- Paper Settings
- Recommended Print Media
- Load Documents
- Unscannable and Unprintable Areas
- Using Special Paper

▲ Home > Paper Handling > Load Paper

Load Paper

- Load and Print Using the Paper Tray
- Load and Print Using the Multi-purpose Tray (MP Tray)

▲ Home > Paper Handling > Load Paper > Load and Print Using the Paper Tray

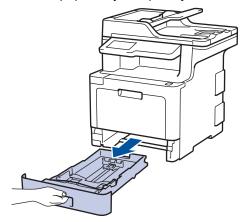
Load and Print Using the Paper Tray

- Load Paper in the Paper Tray
- Printing Problems
- Error and Maintenance Messages

■ Home > Paper Handling > Load Paper > Load and Print Using the Paper Tray > Load Paper in the Paper Tray

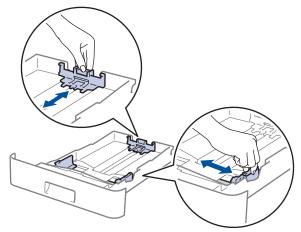
Load Paper in the Paper Tray

- If the Check Size setting is set to On and you pull the paper tray out of the machine, a message appears on the LCD asking if you want to change the paper size and paper type. Change the paper size and paper type settings if needed, following the LCD instructions.
- When you load a different size and type of paper in the tray, you must also change the Paper Size and Paper Type settings in the machine, or on your computer.
- 1. Pull the paper tray completely out of the machine.



2. Press and slide the paper guides to fit the paper.

Press the green release levers to slide the paper guides.

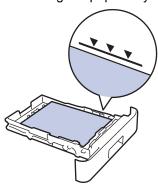


- 3. Fan the stack of paper well.
- 4. Load paper in the paper tray with the printing surface face down.



When you use letterhead or preprinted paper, load the paper in the correct orientation. See *Related Information: Change Machine Settings to Print on Letterhead or Preprinted Paper Using the Paper Tray.*

Make sure the paper is below the maximum paper mark (▼ ▼ ▼).
 Overfilling the paper tray will cause paper jams.



- 6. Slowly push the paper tray completely into the machine.
- 7. Lift the support flap to prevent paper from sliding off the output tray.



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Related Information

- · Load and Print Using the Paper Tray
- Change Machine Settings to Print on Letterhead or Preprinted Paper Using the Paper Tray

▲ Home > Paper Handling > Load Paper > Load and Print Using the Paper Tray > Load Paper in the Paper Tray > Change Machine Settings to Print on Letterhead or Preprinted Paper Using the Paper Tray

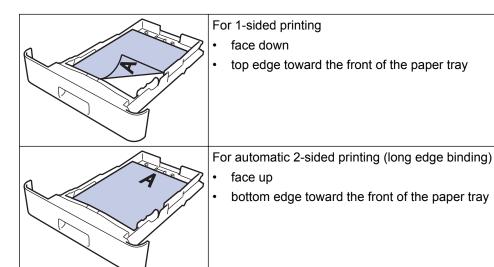
Change Machine Settings to Print on Letterhead or Preprinted Paper Using the Paper Tray

When you use letterhead or preprinted paper for 2-sided printing, change the machine's settings.



DO NOT load different sizes and types of paper in the paper tray at the same time. Doing this may cause the paper to jam or misfeed.

Orientation



1. Press [Settings] > [All Settings] > [Printer] > [2-sided] > [Single Image] > [2-sided Feed].



If your machine displays the [All Settings] menu on the Home screen, skip the [Settings] menu.

2. Press



Related Information

Load Paper in the Paper Tray

▲ Home > Paper Handling > Load Paper > Load and Print Using the Multi-purpose Tray (MP Tray)

Load and Print Using the Multi-purpose Tray (MP Tray)

You can load letterhead, coloured paper, thin paper, thick paper, recycled paper, bond paper, labels, glossy paper, up to 50 sheets of plain paper, or up to ten envelopes in the MP tray.

- Load Paper in the Multi-purpose Tray (MP Tray)
- Load and Print Labels Using the MP Tray
- Load and Print Envelopes Using the MP Tray
- Printing Problems
- Error and Maintenance Messages

▲ Home > Paper Handling > Load Paper > Load and Print Using the Multi-purpose Tray (MP Tray) > Load Paper in the Multi-purpose Tray (MP Tray)

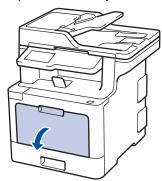
Load Paper in the Multi-purpose Tray (MP Tray)

When you load a different size and type of paper in the tray, you must also change the Paper Size and Paper Type settings in the machine, or on your computer.

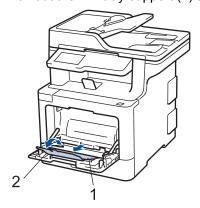
- · Plain Paper
- Letterhead
- · Coloured Paper
- · Thin Paper
- · Thick Paper
- · Recycled Paper
- Bond
- · Glossy Paper
- 1. Lift the support flap to prevent paper from sliding off the face down output tray.



2. Open the MP tray and lower it gently.



3. Pull out the MP tray support (1) and unfold the flap (2).



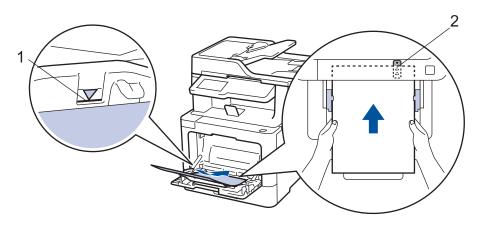
4. Slide the MP tray paper guides to fit the width of the paper you are using.



5. Load paper with the printing surface face up in the MP tray.



- Make sure the paper is below the maximum paper mark (1).
- Place the paper's leading edge (top of paper) between the
 [▲] and ▼ arrows (2).
- When using glossy paper, load only one sheet at a time in the MP tray to avoid a paper jam.
- When you use letterhead or preprinted paper, load the paper in the correct orientation. See Related Information: Change Machine Settings to Print on Letterhead or Preprinted Paper Using the MP Tray.



Related Information

- Load and Print Using the Multi-purpose Tray (MP Tray)
- Change Machine Settings to Print on Letterhead or Preprinted Paper Using the MP Tray

▲ Home > Paper Handling > Load Paper > Load and Print Using the Multi-purpose Tray (MP Tray) > Load Paper in the Multi-purpose Tray (MP Tray) > Change Machine Settings to Print on Letterhead or Preprinted Paper Using the MP Tray

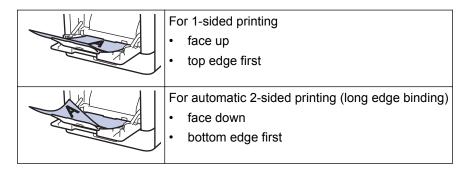
Change Machine Settings to Print on Letterhead or Preprinted Paper Using the MP Tray

When you use letterhead or preprinted paper for 2-sided printing, change the machine's settings.



DO NOT load different sizes and types of paper in the paper tray at the same time. Doing this may cause the paper to jam or misfeed.

Orientation



1. Press [Settings] > [All Settings] > [Printer] > [2-sided] > [Single Image] > [2-sided Feed].



If your machine displays the [All Settings] menu on the Home screen, skip the [Settings] menu.

2. Press



• Load Paper in the Multi-purpose Tray (MP Tray)

▲ Home > Paper Handling > Load Paper > Load and Print Using the Multi-purpose Tray (MP Tray) > Load and Print Labels Using the MP Tray

Load and Print Labels Using the MP Tray

When the back cover (face up output tray) is pulled down, the machine has a straight paper path from the MP tray through to the back of the machine. Use this paper feed and output method when you print on labels.

When you load a different size and type of paper in the tray, you must also change the Paper Size and Paper Type settings in the machine, or on your computer.

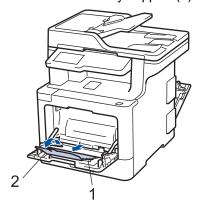
1. Open the machine's back cover (the face up output tray).



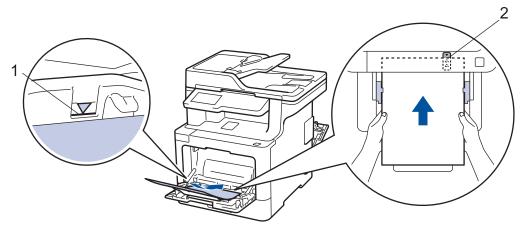
2. On the front of the machine, open the MP tray and lower it gently.



3. Pull out the MP tray support (1) and unfold the flap (2).



- 4. Slide the MP tray paper guides to fit the width of the paper you are using.
- 5. Load paper with the printing surface face up in the MP tray.



- Ø
- Make sure the paper is below the maximum paper mark (1).
- Place the paper's leading edge (top of paper) between the
 [▲] and ▼ arrows (2).
- 6. Change your print preferences in the Print screen before sending the print job from your computer.
- 7. Send your print job to the machine.
- 8. Close the back cover (the face up output tray) until it locks in the closed position.

Related Information

• Load and Print Using the Multi-purpose Tray (MP Tray)

▲ Home > Paper Handling > Load Paper > Load and Print Using the Multi-purpose Tray (MP Tray) > Load and Print Envelopes Using the MP Tray

Load and Print Envelopes Using the MP Tray

You can load up to ten envelopes in the MP tray.

Before loading, press the corners and sides of the envelopes to make them as flat as possible.

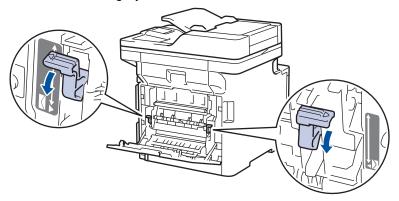


When you load a different size and type of paper in the tray, you must also change the Paper Size and Paper Type settings in the machine, or on your computer.

1. Open the machine's back cover (the face up output tray).



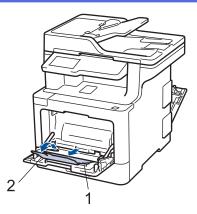
2. Pull down the two grey levers, one on the left side and one on the right side, as shown in the illustration.



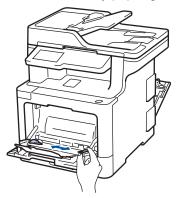
3. On the front of the machine, open the MP tray and lower it gently.



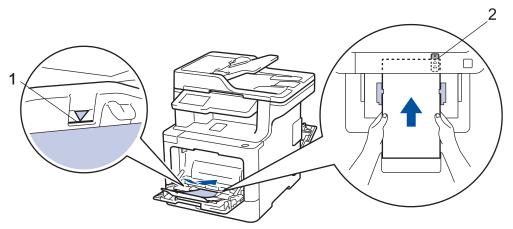
4. Pull out the MP tray support (1) and unfold the flap (2).



5. Slide the MP tray paper guides to fit the width of the envelopes that you are using.



6. Load paper with the printing surface face up in the MP tray.





- Load up to 10 envelopes in the MP tray with the printing surface face up. Make sure the envelopes are below the maximum paper mark (1). Loading more than 10 envelopes may cause paper jams.
- 7. Change your print preferences in the Print dialog box before sending the print job from your computer.

Settings	Options for Envelopes		
Paper Size	Com-10 DL C5		
	Monarch		
Media Type	•		
	Env. Thick		
	Env. Thin		

8. Send your print job to the machine.

- 9. When you have finished printing, return the two grey levers you adjusted in the earlier step back to their original positions.
- 10. Close the back cover (the face up output tray) until it locks in the closed position.

Related Information

• Load and Print Using the Multi-purpose Tray (MP Tray)

▲ Home > Paper Handling > Paper Settings

Paper Settings

- Change the Paper Size and Paper Type
- Select the Tray to Be Used For Printing
- Change the Check Paper Size Setting

▲ Home > Paper Handling > Paper Settings > Change the Paper Size and Paper Type

Change the Paper Size and Paper Type

When you change the size and type of the paper you load in the tray, you must change the Paper Size and Paper Type settings on the LCD at the same time.

Press [Settings] > [All Settings] > [General Setup] > [Tray Setting] > [Paper Type].



If your machine displays the [All Settings] menu on the Home screen, skip the [Settings] menu.

- 2. Press the option you want.
- 3. Swipe up or down or press ▲ or ▼ to display the paper type options, and then press the option you want.
- 4. Press
- 5. Press [Paper Size].
- 6. Press the option you want.
- 7. Swipe up or down or press ▲ or ▼ to display the paper size options, and then press the option you want.
- 8. Press

✓

Related Information

Paper Settings

▲ Home > Paper Handling > Paper Settings > Select the Tray to Be Used For Printing

Select the Tray to Be Used For Printing

Change the default tray the machine will use for printing copies, received faxes, and print jobs from your computer.

1. Press [Settings] > [All Settings] > [General Setup] > [Tray Setting].



If your machine displays the [All Settings] menu on the Home screen, skip the [Settings] menu.

- 2. Swipe up or down or press ▲ or ▼ to display the [Tray Use: Copy], [Tray Use: Fax], or [Tray Use: Print] option, and then press the option you want.
- 3. Swipe up or down or press ▲ or ▼ to display the option you want, and then press it. For example, when you select the [MP>T1] option, the machine pulls paper from the MP tray until it is empty, and then from Tray 1.
- 4. Press



- When you make a copy using the ADF and give priority to multiple trays, the machine looks for the tray with the most suitable paper and pulls paper from that tray.
- When you make a copy using the scanner glass, your document is copied from the higher priority tray
 even if more suitable paper is in another paper tray.
- (MFC models) Use the following sizes of paper for printing faxes: Letter, A4, Legal, Folio or Mexico Legal. When an appropriate size is not in any of the trays, the machine stores received faxes and [Size Mismatch] appears on the touchscreen.
- (MFC models) If the tray is out of paper and received faxes are in the machine's memory, [No Paper] appears on the touchscreen. Load paper in the empty tray.

Related Information

Paper Settings

▲ Home > Paper Handling > Paper Settings > Change the Check Paper Size Setting

Change the Check Paper Size Setting

When you turn on your machine's Check Size setting, the machine displays a message when you remove a paper tray or load paper using the MP tray, asking if you changed the paper size and paper type.

The default setting is On.

Press [Settings] > [All Settings] > [General Setup] > [Tray Setting] > [Check Size].



If your machine displays the [All Settings] menu on the Home screen, skip the [Settings] menu.

- 2. Press [On] or [Off].
- 3. Press



Related Information

· Paper Settings

▲ Home > Paper Handling > Recommended Print Media

Recommended Print Media

To get the best print quality, we recommend using the paper listed in the table.

Paper Type	Item	
Plain Paper	APP Blue Flag Ship 70 g/m ²	
	APP Gold Flag Ship 80 g/m ²	
	Advanced Agro Double A 80 g/m ²	

✓

Related Information

· Paper Handling

▲ Home > Paper Handling > Load Documents

Load Documents

You can send a fax, make copies and scan from the Automatic Document Feeder (ADF) and from the scanner glass.

- Load Documents in the Automatic Document Feeder (ADF)
- · Load Documents on the Scanner Glass

▲ Home > Paper Handling > Load Documents > Load Documents in the Automatic Document Feeder (ADF)

Load Documents in the Automatic Document Feeder (ADF)

Use the ADF when copying or scanning multiple-page, standard-sized documents.

- The ADF can hold the following pages and feed each sheet individually:
 - (MFC-L8900CDW)
 Up to 70 sheets
- Use standard 80 g/m² paper.
- · Make sure documents with correction fluid or written in ink are completely dry.

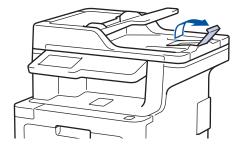
IMPORTANT

- DO NOT leave thick documents on the scanner glass. If you do this, the ADF may jam.
- DO NOT use paper that is curled, wrinkled, folded, ripped, stapled, paper-clipped, pasted, or taped.
- DO NOT use cardboard, newspaper, or fabric.
- To avoid damaging your machine while using the ADF, DO NOT pull on the document while it is feeding.

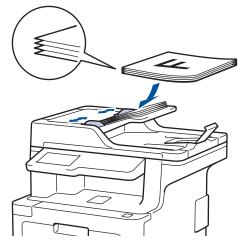
Document Sizes Supported

Length:	147.3 to 355.6 mm
Width:	105 to 215.9 mm
Weight:	64 to 90 g/m ²

1. Unfold the ADF document output support flap.



- 2. Fan the pages well.
- 3. Stagger the pages of your document and load it *face up* and *top edge first*, into the ADF as shown in the illustration.



4. Adjust the paper guides to fit the width of your document.



Related Information

Load Documents

▲ Home > Paper Handling > Load Documents > Load Documents on the Scanner Glass

Load Documents on the Scanner Glass

Use the scanner glass to fax, copy, or scan one page at a time.

Document Sizes Supported

Length:	• Up to 355.6 mm
Width:	Up to 215.9 mm
Weight:	Up to 2 kg

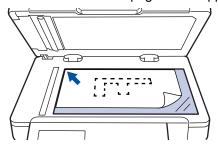


To use the scanner glass, the ADF must be empty.

- 1. Lift the document cover.
- 2. Place the document on the scanner glass face down.



3. Place the corner of the page in the upper left corner of the scanner glass.



4. Close the document cover.

If the document is a book or is thick, gently press on the document cover.



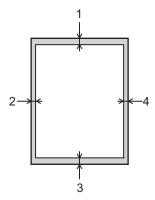
Related Information

Load Documents

▲ Home > Paper Handling > Unscannable and Unprintable Areas

Unscannable and Unprintable Areas

The measurements in the table below show maximum unscannable and unprintable areas from the edges of the most commonly-used paper sizes. These measurements may vary depending on the paper size or settings in the application you are using.





Do not attempt to scan, copy, or print into these areas; your output will not reflect anything in these areas.

Usage	Document Size	Top (1) Bottom (3)	Left (2) Right (4)
Fax (Sending)	Letter, Legal	3 mm	4 mm
	A4	3 mm	(ADF)
			1 mm
			(Scanner Glass)
			3 mm
Copy ¹	Letter, Legal	4 mm	4 mm
	A4	4 mm	3 mm
Scan	Letter	3 mm	3 mm
	A4	3 mm	3 mm
	Legal	3 mm	3 mm
Print	Letter, Legal	4.2 mm	4.2 mm
	A4	4.2 mm	4.2 mm

✓

Related Information

· Paper Handling

¹ a 1 in 1 copy and 100% document size copy

▲ Home > Paper Handling > Using Special Paper

Using Special Paper

Always test paper samples before purchasing them to ensure desirable performance.

- DO NOT use inkjet paper; it may cause a paper jam or damage your machine.
- If you use bond paper, paper with a rough surface, or paper that is wrinkled or creased, the paper may exhibit degraded performance.

Store paper in its original packaging and keep it sealed. Keep the paper flat and away from moisture, direct sunlight and heat.

IMPORTANT

Some types of paper may not perform well or may cause damage to your machine.

DO NOT use paper:

- · that is highly textured
- · that is extremely smooth or shiny
- · that is curled or warped
- · that is coated or has a chemical finish
- · that is damaged, creased or folded
- · that exceeds the recommended weight specification in this guide
- with tabs and staples
- with letterheads using low temperature dyes or thermography
- · that is multipart or carbonless
- · that is designed for inkjet printing

If you use any of the types of paper listed above, they may damage your machine. This damage is not covered under any Brother warranty or service agreement.

4

Related Information

Paper Handling

▲ Home > Print

Print

- Print from Your Computer (Windows)
- Print from Your Computer (Mac)
- Cancel a Print Job
- Test Print

▲ Home > Print > Print from Your Computer (Windows)

Print from Your Computer (Windows)

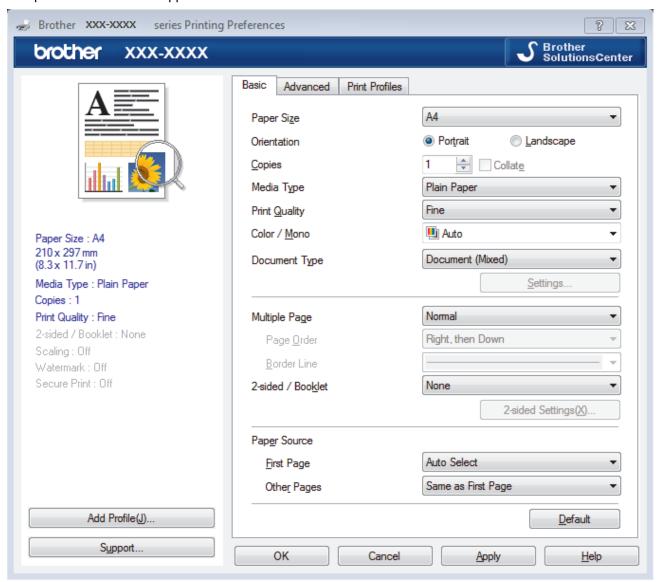
- Print a Document (Windows)
- Print Settings (Windows)
- Secure Print (Windows)
- Change the Default Print Settings (Windows)
- Print a Document Using the BR-Script3 Printer Driver (PostScript[®] 3[™] Language Emulation) (Windows)
- Monitor the Status of the Machine from Your Computer (Windows)

▲ Home > Print > Print from Your Computer (Windows) > Print a Document (Windows)

Print a Document (Windows)

- 1. Select the print command in your application.
- 2. Select **Brother XXX-XXXX** (where XXXX is the name of your model), and then click the printing properties or preferences button.

The printer driver window appears.



- 3. Make sure you have loaded the correct size paper in the paper tray.
- 4. Click the Paper Size drop-down list, and then select your paper size.
- 5. In the **Orientation** field, select the **Portrait** or **Landscape** option to set the orientation of your printout.



If your application contains a similar setting, we recommend that you set the orientation using the application.

- 6. Type the number of copies (1-999) you want in the Copies field.
- 7. Click the **Media Type** drop-down list, and then select the type of paper you are using.
- 8. To print multiple pages on a single sheet of paper or print one page of your document on multiple sheets, click the **Multiple Page** drop-down list, and then select your options.
- 9. Change other printer settings if needed.
- 10. Click **OK**.
- 11. Complete your print operation.

Related Information

- Print from Your Computer (Windows)
- Print Settings (Windows)

▲ Home > Print > Print from Your Computer (Windows) > Print Settings (Windows)

Print Settings (Windows)

Basic Tab



1. Paper Size

Select the size of the paper you want to use. You can either choose from standard paper sizes or create a custom paper size.

2. Orientation

Select the orientation (portrait or landscape) of your printout.

If your application contains a similar setting, we recommend that you set the orientation using the application.

3. Copies

Type the number of copies (1-999) that you want to print in this field.

Collate

Select this option to print sets of multi-page documents in the original page order. When this option is selected, one complete copy of your document will print, and then reprint according to the number of copies you choose. If this option is not selected, then each page will print according to the number of copies chosen before the next page of the document is printed.

4. Media Type

Select the type of media you want to use. To achieve the best print results, the machine automatically adjusts its print settings according to the selected media type.

5. Print Quality

Select the print resolution you want. Because print quality and speed are related, the higher the quality, the longer it will take to print the document.

6. Colour / Mono

Select the Colour/Mono settings to use.

NOTE

- The machine's colour sensor is very sensitive and may perceive faded black text or an off-white background as colour. If you know that your document is black and white and you want to conserve colour toner, select **Mono** mode.
- If either the Cyan, Magenta or Yellow toner reaches the end of its life while printing a colour document, the print job cannot be completed. Cancel your print job and select to start the print job again in **Mono** mode, as long as Black toner is available.

7. Document Type

Select the type of document you want to print.

Settings button

Specify advanced settings, such as colour mode and other settings.

Colour Mode

Select the colour mode to suit your preference.

Import

To adjust the print configuration of a particular image, click **Settings**. When you have finished adjusting the image parameters, such as brightness and contrast, import those settings as a print configuration file. Use the **Export** option to create a print configuration file from the current settings.

Export

To adjust the print configuration of a particular image, click **Settings**. When you have finished adjusting the image parameters, such as brightness and contrast, export those settings as a print configuration file. Use the **Import** option to load a previously exported configuration file.

Improve Grey Colour

Select this option to improve the image quality of shaded areas.

Enhance Black Printing

If a black graphic does not print correctly, select this setting.

Improve Pattern Printing

Select this option to improve the pattern printing if printed fills and patterns are different from the fills and patterns you see on your computer screen.

8. Multiple Page

Select this option to print multiple pages on a single sheet of paper or print one page of your document on multiple sheets.

Page Order

Select the page order when printing multiple pages on a single sheet of paper.

Border Line

Select the type of border to use when printing multiple pages on a single sheet of paper.

9. 2-sided / Booklet

Select this option to print on both sides of the paper or print a document in booklet format using 2-sided printing.

2-sided Settings button

Click this button to select the type of 2-sided binding. Four types of 2-sided bindings are available for each orientation.

10. Paper Source

Select the paper source setting according to your print conditions or purpose.

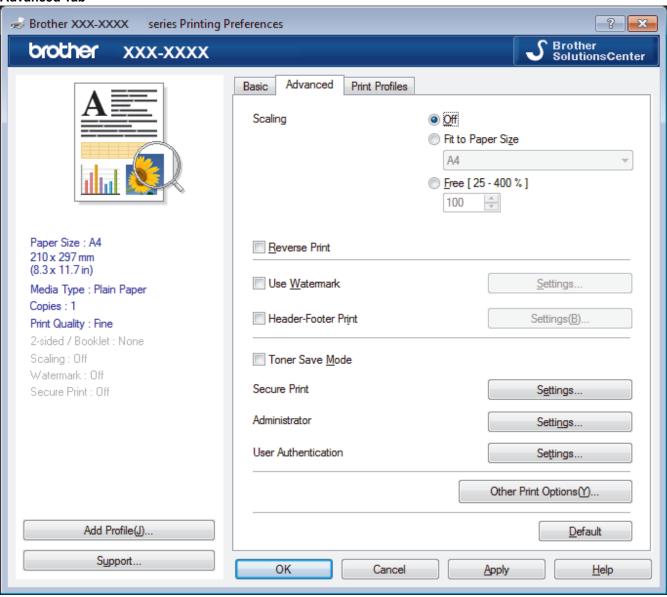
First Page

Select the paper source to use for printing the first page.

Other Pages

Select the paper source to use for printing the second and subsequent pages.

Advanced Tab



1. Scaling

Select these options to enlarge or reduce the size of the pages in your document.

Fit to Paper Size

Select this option to enlarge or reduce the document pages to fit a specified paper size. When you select this option, select the paper size you want from the drop-down list.

Free

Select this option to enlarge or reduce the document pages manually. When you select this option, type a value into the field.

2. Reverse Print

Select this option to rotate the printed image 180 degrees.

3. Use Watermark

Select this option to print a logo or text on your document as a watermark. Select one of the preset watermarks, add a new watermark, or use an image file you have created.

4. Header-Footer Print

Select this option to print the date, time and PC login user name on the document.

5. Toner Save Mode

Select this feature to conserve toner by using less toner to print documents; printouts appear lighter, but are still legible.

6. Secure Print

This feature ensures that confidential or sensitive documents do not print until you enter a password on the machine's control panel.

7. Administrator

This feature allows you to change the administrator password and restrict various printing functions.

8. User Authentication

This feature allows you to confirm the restrictions for each user.

9. Other Print Options button

Improve Print Output

Select this option to reduce the amount of paper curling and improve the toner fixing.

Special Red Color (Available only for some countries)

Use several red colour to meet your needs. If you could accept our recommended colour, select the **Use** the recommended red color. If you cannot accept our recommended red colour, select the **Select** another red color. Click the **Print the red color patch** button and select another red colour number. Enter the colour number in the **Enter color number** box.

NOTE

- The showed red colour is just image sample, please note that it possibly happens the difference between the image and the actual printed red colour.
- For the best output effect, when you select **Special Red Color** mode, **Toner Save Mode** is unavailable. If you need to use **Toner Save Mode**, close **Special Red Color** mode.

TrueType Mode

Mode

Select how the fonts are processed for printing.

Use Printer TrueType Fonts(Available only for certain models)

Select whether to use built-in fonts for the font processing.

Eco settings

Select this option to reduce printing noise.

Related Information

- Print from Your Computer (Windows)
- Print a Document (Windows)

▲ Home > Print > Print from Your Computer (Windows) > Secure Print (Windows)

Secure Print (Windows)

Use Secure Print to ensure that confidential or sensitive documents do not print until you enter a password on the machine's control panel.

- The secure data is deleted from the machine when you turn off the machine.
- 1. Select the print command in your application.
- 2. Select **Brother XXX-XXXX** (where XXXX is the name of your model), and then click the printing properties or preferences button.

The printer driver window appears.

- 3. Click the Advanced tab.
- 4. Click the **Settings** button in the **Secure Print** field.
- 5. Select the Secure Print check box.
- 6. Type your four-digit password in the **Password** field.



You must set a separate password for each document.

- 7. Type the User Name and Job Name in the text field, if needed.
- 8. Click **OK**, to close the **Secure Print Settings** window.
- 9. Click OK.
- 10. Complete your print operation.
- 11. On the machine's control panel, swipe left or right or press ◀ or ▶ to display the [Secure Print] option, and then press [Secure Print].
- 12. Swipe up or down or press ▲ or ▼ to display user names, and then press your user name.

The LCD displays the list of secured jobs for your name.

- 13. Swipe up or down or press ▲ or ▼ to display the print job, and then press it.
- 14. Enter your four-digit password, and then press <code>[OK]</code>.
- 15. Enter the number of copies you want.
- 16. Press [Start].

The machine prints the data.

After you have printed the secured data, it will be cleared from the machine's memory.

4

Related Information

Print from Your Computer (Windows)

▲ Home > Print > Print from Your Computer (Windows) > Change the Default Print Settings (Windows)

Change the Default Print Settings (Windows)

When you change an application's print settings, the changes only apply to documents printed with that application. To change print settings for all Windows applications, you must configure the printer driver properties.

- 1. Do one of the following:
 - For Windows Server 2008
 - Click (Start) > Control Panel > Hardware and Sound > Printers.
 - For Windows 7 and Windows Server 2008 R2
 - Click (Start) > Devices and Printers.
 - · For Windows 8

Move your mouse to the lower right corner of your desktop. When the menu bar appears, click **Settings**, and then click **Control Panel**. In the **Hardware and Sound** group, click **View devices and printers**.

- For Windows 10 and Windows Server 2016
- For Windows Server 2012
 - Move your mouse to the lower right corner of your desktop. When the menu bar appears, click **Settings**, and then click **Control Panel**. In the **Hardware** group, click **View devices and printers**.
- For Windows Server 2012 R2
 - Click Control Panel on the Start screen. In the Hardware group, click View devices and printers.
- 2. Right-click the **Brother XXX-XXXX** icon (where XXXX is your model name), and then select **Printer properties**. If printer driver options appear, select your printer driver.
- 3. Click the **General** tab, and then click the **Printing Preferences...** or **Preferences...** button. The printer driver dialog box appears.



- To configure the tray settings, click the **Device Settings** tab.
- To change the printer port, click the Ports tab.
- 4. Select the print settings you want to use as defaults for all of your Windows programs.
- 5. Click OK.
- 6. Close the printer properties dialog box.

Related Information

- Print from Your Computer (Windows)
- Configure the Optional Tray Settings (Windows)

▲ Home > Print > Print from Your Computer (Windows) > Change the Default Print Settings (Windows) > Configure the Optional Tray Settings (Windows)

Configure the Optional Tray Settings (Windows)

Access your machine's Properties to auto-detect your machine's Optional Tray and serial number.

The printer driver automatically detects the Optional Tray during the driver installation. If you added the Optional Tray after the driver installation, follow these steps:

- 1. Do one of the following:
 - For Windows Server 2008
 - Click (Start) > Control Panel > Hardware and Sound > Printers.
 - For Windows 7 and Windows Server 2008 R2
 - Click (Start) > Devices and Printers.
 - For Windows 8

Move your mouse to the lower right corner of your desktop. When the menu bar appears, click **Settings**, and then click **Control Panel**. In the **Hardware and Sound** group, click **View devices and printers**.

- · For Windows 10 and Windows Server 2016
- For Windows Server 2012
 - Move your mouse to the lower right corner of your desktop. When the menu bar appears, click **Settings**, and then click **Control Panel**. In the **Hardware** group, click **View devices and printers**.
- For Windows Server 2012 R2
 - Click Control Panel on the Start screen. In the Hardware group, click View devices and printers.
- 2. Right-click the **Brother XXX-XXXX** icon (where XXXX is your model name), and then select **Printer properties**. If printer driver options appear, select your printer driver.
- 3. Click the **Device Settings** tab.
- Click the Auto Detect button.

The Optional Tray and the machine's serial number are automatically detected.

- 5. Click the **Apply** button.
- 6. Close the printer properties dialog box.

The **Auto Detect** function is not available under the following machine conditions:

- The machine power switch is off.
- · The machine is in a network shared environment.
- The cable is not connected to the machine correctly.

Related Information

• Change the Default Print Settings (Windows)

A Home > Print > Print from Your Computer (Windows) > Print a Document Using the BR-Script3 Printer Driver (PostScript® 3™ Language Emulation) (Windows)

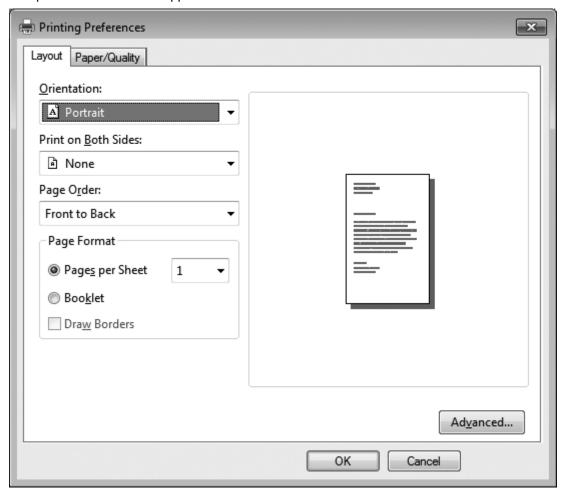
Print a Document Using the BR-Script3 Printer Driver (PostScript[®] 3[™] Language Emulation) (Windows)

The BR-Script3 printer driver lets you print PostScript® data more clearly.

To install the PS driver (BR-Script3 printer driver), launch the Brother installation disc, select **Custom** in the Select Machine section, and then select the **PS Driver** check box.

- 1. Select the print command in your application.
- 2. Select **Brother XXX-XXXX BR-Script3** (where XXXX is the name of your model), and then click the printing properties or preferences button.

The printer driver window appears.



- Click the Layout, Paper/Quality, or Secure Print tab to change basic print settings.
 Click the Layout or Paper/Quality tab, and then click the Advanced... button to change advanced print settings.
- 4. Click OK.
- 5. Complete your print operation.

Related Information

• Print from Your Computer (Windows)

▲ Home > Print > Print from Your Computer (Windows) > Monitor the Status of the Machine from Your Computer (Windows)

Monitor the Status of the Machine from Your Computer (Windows)

The Status Monitor utility is a configurable software tool for monitoring the status of one or more devices, allowing you to get immediate notification of errors.

- · Do one of the following:
 - Double-click the icon in the task tray.
 - (Windows 7)
 - Click (Start) > All Programs > Brother > Brother Utilities.

Click the drop-down list and select your model name (if not already selected). Click **Tools** in the left navigation bar, and then click **Status Monitor**.

- (Windows 8)

 Click (Brother Utilities), and then click the drop-down list and select your model name (if not already selected). Click Tools in the left navigation bar, and then click Status Monitor.
- (Windows 8.1)

Move your mouse to the lower left corner of the **Start** screen and click (if you are using a touch-based device, swipe up from bottom of the **Start** screen to bring up the **Apps** screen). When the **Apps** screen appears, tap or click (**Brother Utilities**), and then click the drop-down list and select your model name (if not already selected). Click **Tools** in the left navigation bar, and then click **Status Monitor**.

- (Windows 10)

Click # Brother > Brother Utilities.

Click the drop-down list and select your model name (if not already selected). Click **Tools** in the left navigation bar, and then click **Status Monitor**.

Troubleshooting

Click the **Troubleshooting** button to access the troubleshooting website.

Visit the Genuine Supplies website

Click the Visit the Genuine Supplies website button for more information on Brother genuine supplies.

Related Information

- Print from Your Computer (Windows)
- · Printing Problems
- · Calibrate Colour Output

▲ Home > Print > Print from Your Computer (Mac)

Print from Your Computer (Mac)

- Print a Document (Mac)
- Print Options (Mac)
- Secure Print (Mac)
- Print a Document Using the BR-Script3 Printer Driver (PostScript[®] 3[™] language emulation) (Mac)
- Monitor the Status of the Machine from Your Computer (Mac)

▲ Home > Print > Print from Your Computer (Mac) > Print a Document (Mac)

Print a Document (Mac)

- 1. Make sure you have loaded the correct size paper in the paper tray.
- 2. From an application, such as Apple TextEdit, click the File menu, and then select Print.
- 3. Select Brother XXX-XXXX (where XXXX is your model name).
- 4. Type the number of copies you want in the Copies field.
- 5. Click the **Paper Size** pop-up menu, and then select your paper size.
- 6. Select the Orientation option that matches the way you want the document to print.
- Click the application pop-up menu, and then select **Print Settings**.
 The **Print Settings** options appear.
- 8. Click the Media Type pop-up menu, and then select the type of paper you are using.
- 9. Change other printer settings, if needed.
- 10. Click Print.

Related Information

- Print from Your Computer (Mac)
- Print Options (Mac)

▲ Home > Print > Print from Your Computer (Mac) > Print Options (Mac)

Print Options (Mac)

Page Setup ٥ Settings: Page Attributes Format For: XXX-XXXX Brother XXX-XXXX CUPS Paper Size: A4 210 by 297 mm Orientation: Scale: % (?) Cancel ok

1. Paper Size

Select the size of the paper you want to use. You can either choose from standard paper sizes or create a custom paper size.

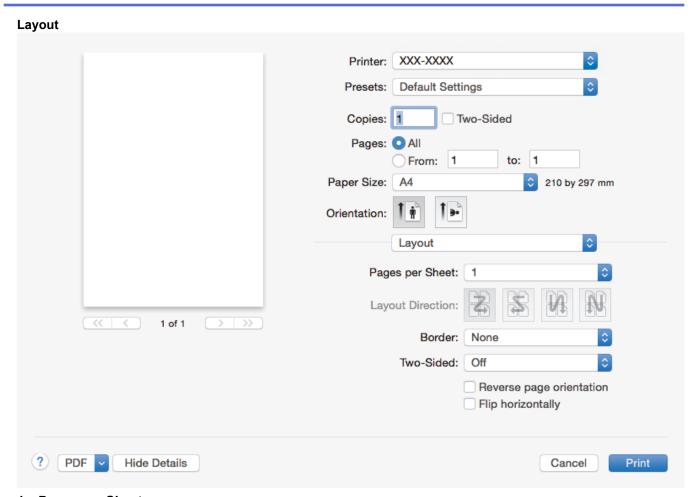
2. Orientation

Select the orientation (portrait or landscape) of your printout.

If your application contains a similar setting, we recommend that you set the orientation using the application.

3. Scale

Type a value into the field to enlarge or reduce the pages in your document to fit the selected paper size.



1. Pages per Sheet

Select the number of pages to print on a single sheet of paper.

2. Layout Direction

Select the page order when printing multiple pages on a single sheet of paper.

3. Border

Select the type of border to use when printing multiple pages on a single sheet of paper.

4. Two-Sided

Select whether to print on both sides of the paper.

5. Reverse page orientation

Select this option to rotate the printed image 180 degrees.

6. Flip horizontally

Select this option to reverse the printed image on the page horizontally from left to right.

Paper Handling Printer: XXX-XXXX **Default Settings** Presets: Copies: 1 Two-Sided Pages: O All to: 1 From: 1 Paper Size: A4 210 by 297 mm Orientation: 0 Paper Handling Collate pages Pages to Print: All pages Page Order: Automatic Scale to fit paper size Suggested Paper: A4 0 Destination Paper Size: Scale down only PDF Print **Hide Details** Cancel

1. Collate pages

Select this option to print sets of multi-page documents in the original page order. When this option is selected, one complete copy of your document will print, and then reprint according to the number of copies you choose. If this option is not selected, then each page will print according to the number of copies chosen before the next page of the document is printed.

2. Pages to Print

Select which pages you want to print (even pages or odd pages).

3. Page Order

Select the page order.

4. Scale to fit paper size

Select this option to enlarge or reduce the pages in your document to fit the selected paper size.

5. Destination Paper Size

Select the paper size to print on.

6. Scale down only

Select this option if you want to reduce the pages in your document when they are too large for the selected paper size. If this option is selected and the document is formatted for a paper size that is smaller than the paper size you are using, the document will be printed at its original size.

Print Settings Printer: XXX-XXXX **Default Settings** Presets: Copies: 1 Two-Sided Pages: O All From: 1 to: 1 Paper Size: A4 210 by 297 mm Orientation: 0 **Print Settings** Media Type: Plain Paper Print Quality: Fine 1 of 1 Color / Mono: Auto Paper Source: Auto Select Advanced PDF **Hide Details** Cancel Print

1. Media Type

Select the type of media you want to use. To achieve the best print results, the machine automatically adjusts its print settings according to the selected media type.

2. Print Quality

Select the print resolution you want. Because print quality and speed are related, the higher the quality, the longer it will take to print the document.

3. Color / Mono

Select the Colour/Mono settings to use.

NOTE

- The machine's colour sensor is very sensitive and may perceive faded black text or an off-white background as colour. If you know that your document is black and white and you want to conserve colour toner, select **Mono** mode.
- If either the Cyan, Magenta or Yellow toner reaches the end of its life while printing a colour document, the print job cannot be completed. Cancel your print job and select to start the print job again in **Mono** mode, as long as Black toner is available.

4. Paper Source

Select the paper source setting according to your print conditions or purpose.

5. Advanced

Toner Save Mode

Select this feature to conserve toner by using less toner to print documents; printouts appear lighter, but are still legible.

Improve Print Output

Select this option to reduce the amount of paper curling and improve the toner fixing.

Quiet Mode

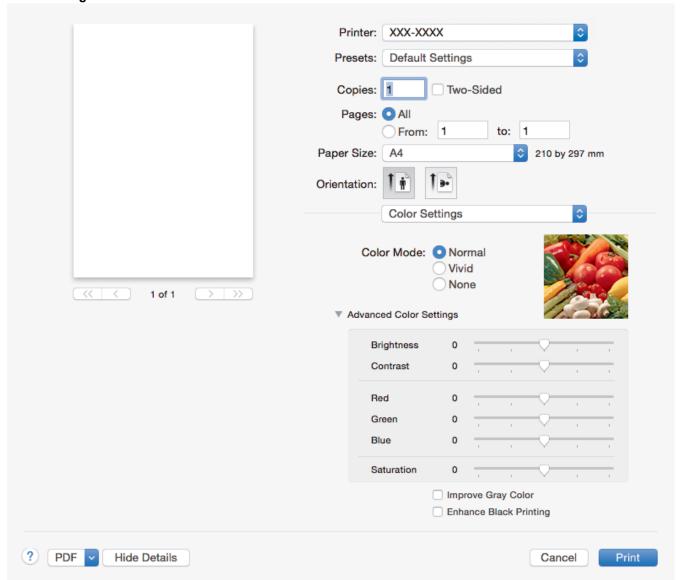
Select this option to reduce printing noise.

Other Print Options

Skip Blank Page

Select this option to allow the printer driver to automatically detect blank pages and exclude them from printing.

Color Settings

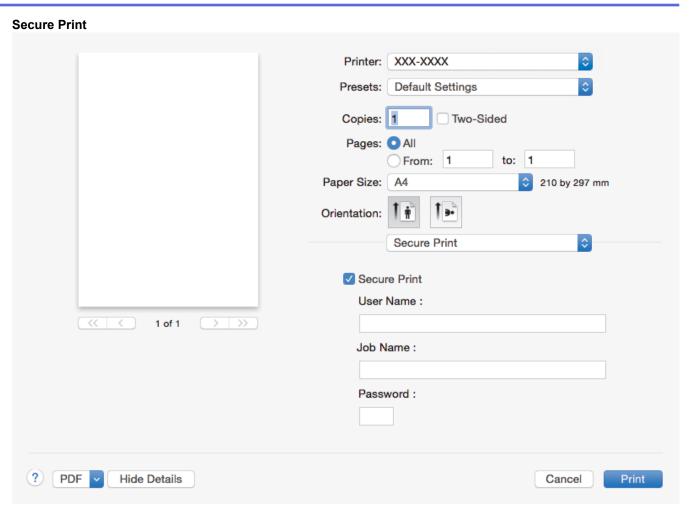


1. Color Mode

Select the colour mode to suit your preference.

2. Advanced Color Settings

Click the disclosure triangle to select the Colour Enhancement feature. This feature analyses your image to improve its sharpness, white balance and colour density. This process may take several minutes depending on the size of the image and the specifications of your computer.



1. Secure Print

This feature ensures that confidential or sensitive documents do not print until you enter a password on the machine's control panel.

Related Information

- Print from Your Computer (Mac)
- Print a Document (Mac)

▲ Home > Print > Print from Your Computer (Mac) > Secure Print (Mac)

Secure Print (Mac)

Use Secure Print to ensure that confidential or sensitive documents do not print until you enter a password on the machine's control panel.

- The secure data is deleted from the machine when you turn off the machine.
- 1. From an application, such as Apple TextEdit, click the File menu, and then select Print.
- 2. Select Brother XXX-XXXX (where XXXX is your model name).
- 3. Click the application pop-up menu, and then select the **Secure Print** option. The **Secure Print** options appear.
- 4. Select the Secure Print check box.
- 5. Type your user name, job name and a four-digit password.
- 6. Click Print.
- 7. On the machine's control panel, swipe left or right or press ◀ or ▶ to display the [Secure Print] option, and then press [Secure Print].
- 8. Swipe up or down or press ▲ or ▼ to display user names, and then press your user name. The LCD displays the list of secured jobs for your name.
- 9. Swipe up or down or press ▲ or ▼ to display the print job, and then press it.
- 10. Enter your four-digit password, and then press [OK].
- 11. Enter the number of copies you want.
- 12. Press [Start].

After you have printed the secured data, it will be cleared from the machine's memory.



Related Information

Print from Your Computer (Mac)

A Home > Print > Print from Your Computer (Mac) > Print a Document Using the BR-Script3 Printer Driver (PostScript® 3™ language emulation) (Mac)

Print a Document Using the BR-Script3 Printer Driver (PostScript[®] 3[™] language emulation) (Mac)

The BR-Script3 printer driver lets you print PostScript® data more clearly.

- Go to your model's **Downloads** page on the Brother Solutions Center at <u>support.brother.com</u> to download the PS driver (BR-Script3 printer driver).
- Make sure you have added the BR-Script3 printer driver from Print & Scan or Printers & Scanners in the System Preferences list on your Mac.
- 1. Make sure you have loaded the correct size paper in the paper tray.
- 2. From an application, such as Apple TextEdit, click the File menu, and then select Print.
- 3. Select your machine.
- 4. Type the number of copies you want in the Copies field.
- 5. Click the Paper Size pop-up menu, and then select your paper size.
- 6. Select the **Orientation** option that matches the way you want the document to print.
- 7. Click the print options pop-up menu, and then click **Printer Features**.
 - The **Printer Features** options appear.
- 8. Click the **Print Quality** pop-up menu, and then select the print quality.
- 9. Click the Media Type pop-up menu, and then select the type of paper you are using.
- 10. Select the Auto, Color, or Mono option for the Color / Mono print setting.
- 11. Change other printer settings, if needed.
- 12. Click Print.

✓ F

Related Information

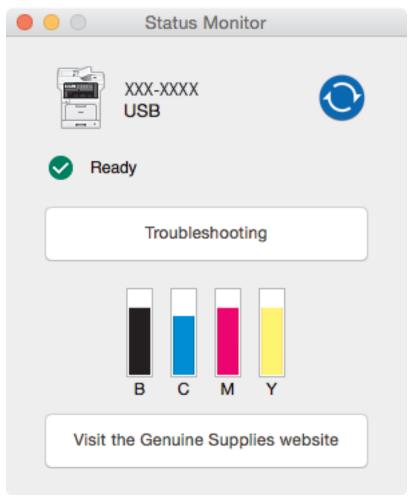
Print from Your Computer (Mac)

■ Home > Print > Print from Your Computer (Mac) > Monitor the Status of the Machine from Your Computer (Mac)

Monitor the Status of the Machine from Your Computer (Mac)

The Status Monitor utility is a configurable software tool for monitoring the status of a device, allowing you to get immediate notification of error messages, such as paper empty or paper jam, at preset update intervals. You can also access Web Based Management.

- Click the System Preferences menu, select Print & Scan or Printers & Scanners, and then select your machine.
- 2. Click the Options & Supplies button.
- Click the **Utility** tab, and then click the **Open Printer Utility** button.Status Monitor starts.



Troubleshooting

Click the **Troubleshooting** button to access the troubleshooting website.

Visit the Genuine Supplies website

Click the Visit the Genuine Supplies website button for more information on Brother genuine supplies.

Updating the machine's status

To view the latest machine status while the **Status Monitor** window is open, click the occurrence icon. You can set the interval at which the software updates machine status information. Click **Brother Status Monitor** in the menu bar, and then select **Preferences**.

Web Based Management (Network Connection Only)

Access the Web Based Management System by clicking the machine icon on the **Status Monitor** screen. You can use a standard Web Browser to manage your machine using HTTP (Hyper Text Transfer Protocol).

- Print from Your Computer (Mac)
- Printing Problems
- Calibrate Colour Output

▲ Home > Print > Cancel a Print Job

Cancel a Print Job

1. Press



To cancel multiple print jobs, press and hold for about four seconds.

- Print
- Printing Problems

▲ Home > Print > Test Print

Test Print

If there are problems with print quality, follow these instructions to do a test print:

1. Press [Settings] > [All Settings] > [Printer] > [Print Options] > [Test Print].



If your machine displays the [All Settings] menu on the Home screen, skip the [Settings] menu.

- 2. Press [Yes].
- 3. Press ...

- Print
- · Improve the Print Quality

▲ Home > Scan

Scan

- Scan Using the Scan Button on Your Brother Machine
- Scan from Your Computer (Windows)
- Scan from Your Computer (Mac)
- Configure Scan Settings Using Web Based Management

▲ Home > Scan > Scan Using the Scan Button on Your Brother Machine

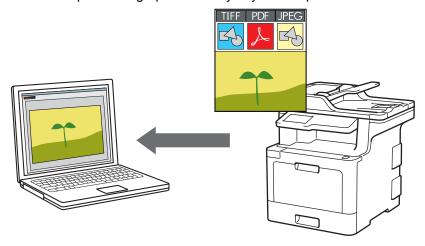
Scan Using the Scan Button on Your Brother Machine

- Scan Photos and Graphics
- · Save Scanned Data to a Folder as a PDF File
- · Save Scanned Data to a USB Flash Drive
- Scan to an Editable Text File (OCR)
- Scan to Email Attachment
- · Send Scanned Data to an Email Server
- Scan to FTP
- Scan to SSH FTP (SFTP)
- Scan to Network (Windows)
- Scan to SharePoint
- Web Services for Scanning on Your Network (Windows 7, Windows 8 and Windows 10)
- Change Scan Button Settings from ControlCenter4 (Windows)
- Change Scan Button Settings from ControlCenter2 (Mac)
- Configure Certificate for Signed PDF
- Disable Scanning from Your Computer

▲ Home > Scan > Scan Using the Scan Button on Your Brother Machine > Scan Photos and Graphics

Scan Photos and Graphics

Send scanned photos or graphics directly to your computer.



Use the Scan button on the machine to make temporary changes to the scan settings. To make permanent changes, use Brother's ControlCenter software.

- 1. Load your document.
- 2. Press [Scan] > [to PC] > [to Image].
- 3. If the machine is connected over the network, select the computer name you want to send data.



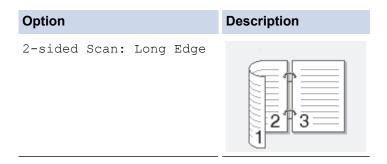
If the LCD prompts you to enter a PIN for the computer, enter the four-digit PIN on the LCD, and then press [OK].

- 4. Do one of the following:
 - To change the scan settings, press [Options], and then go to the next step.
 - To use the default scan settings, press [Start].
 The machine starts scanning. If using the machine's scanner glass, follow the touchscreen instructions to complete the scanning job.



To change scan settings, a computer with Brother's ControlCenter software installed must be connected to the machine.

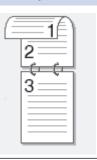
- 5. To scan both sides of the document (MFC-L8900CDW):
 - Press [2-sided Scan], and then select the document type.



Option

Description

2-sided Scan: Short Edge



- 6. Select the scan settings you want to change:
 - [Resolution]
 - [File Type]
 - [Scan Type]
 - [Document Size]
 - [Scan Settings]
 - [Brightness]
 - [Contrast]

(available only for the [Colour] and [Grey] options)

- [ADF Auto Deskew]
- [Skip Blank Page]
- [Remove Background Colour]

 (available only for the [Colour] and [Grey] options)



- If your machine displays the [OK] button, press [OK].
- To save the settings as a shortcut, press [Save as Shortcut].
- Press [Start].

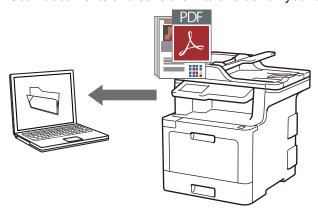
The machine starts scanning. If using the machine's scanner glass, follow the touchscreen instructions to complete the scanning job.

- Scan Using the Scan Button on Your Brother Machine
- Change Scan Button Settings from ControlCenter4 (Windows)
- Change Scan Button Settings from ControlCenter2 (Mac)

▲ Home > Scan > Scan Using the Scan Button on Your Brother Machine > Save Scanned Data to a Folder as a PDF File

Save Scanned Data to a Folder as a PDF File

Scan documents and save them to a folder on your computer as PDF files.



Use the Scan button on the machine to make temporary changes to the scan settings. To make permanent changes, use Brother's ControlCenter software.

- 1. Load your document.
- 2. Press [Scan] > [to PC] > [to File].
- 3. If the machine is connected over the network, select the computer name you want to send data.



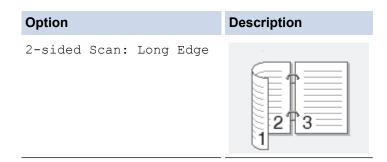
If the LCD prompts you to enter a PIN for the computer, enter the four-digit PIN on the LCD, and then press [OK].

- 4. Do one of the following:
 - To change the scan settings, press <code>[Options]</code>, and then go to the next step.
 - To use the default scan settings, press [Start].
 The machine starts scanning. If using the machine's scanner glass, follow the touchscreen instructions to complete the scanning job.



To change scan settings, a computer with Brother's ControlCenter software installed must be connected to the machine.

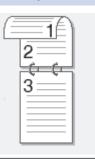
- 5. To scan both sides of the document (MFC-L8900CDW):
 - Press [2-sided Scan], and then select the document type.



Option

Description

2-sided Scan: Short Edge



- 6. Select the scan settings you want to change:
 - [Resolution]
 - [File Type]
 - [Scan Type]
 - [Document Size]
 - [Scan Settings]
 - [Brightness]
 - [Contrast]

(available only for the [Colour] and [Grey] options)

- [ADF Auto Deskew]
- [Skip Blank Page]
- [Remove Background Colour]

 (available only for the [Colour] and [Grey] options)



- If your machine displays the [OK] button, press [OK].
- To save the settings as a shortcut, press [Save as Shortcut].
- Press [Start].

The machine starts scanning. If using the machine's scanner glass, follow the touchscreen instructions to complete the scanning job.

- Scan Using the Scan Button on Your Brother Machine
- Change Scan Button Settings from ControlCenter4 (Windows)
- Change Scan Button Settings from ControlCenter2 (Mac)

▲ Home > Scan > Scan Using the Scan Button on Your Brother Machine > Save Scanned Data to a USB Flash Drive

Save Scanned Data to a USB Flash Drive

Scan documents directly to a USB flash drive.

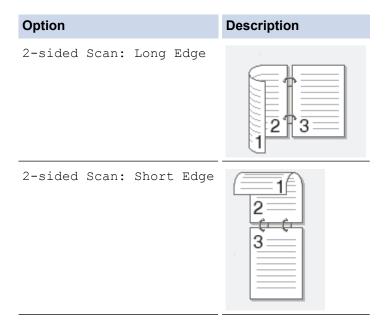
- 1. Load your document.
- 2. Insert a USB flash drive into your machine.

The LCD automatically changes.

- 3. Press [Scan to USB].
- 4. Do one of the following:
 - To change the settings, press [Options], and then select the button you want to change. Follow the machine's instructions.



- To set your own default settings: after making changes to settings, press the [Set New Default] option, and then press [Yes].
- To restore the factory settings: press [Factory Reset], and then press [Yes].
- Press [Start] to start scanning without changing additional settings.
- 5. To scan both sides of the document (MFC-L8900CDW):
 - Press [2-sided Scan], and then select the document type.



- 6. Select the scan settings you want to change:
 - [Resolution]
 - [File Type]
 - [Scan Type]
 - [Document Size]
 - [Brightness]
 - [Contrast]

(available only for the [Colour] and [Grey] options)

- [File Name]
- [File Name Style]
- [File Size]
- [ADF Auto Deskew]

- [Skip Blank Page]
- [Skip Blank Page Sensitivity]
- [Remove Background Colour]
 (available only for the [Colour] and [Grey] options)



- If your machine displays the [OK] button, press [OK].
- To save the settings as a shortcut, press [Save as Shortcut].
- 7. Press [Start].

The machine starts scanning. If using the machine's scanner glass, follow the touchscreen instructions to complete the scanning job.

IMPORTANT

The LCD displays a message while reading the data. DO NOT unplug the power cord or remove the USB flash drive from the machine while it is reading the data. You could lose your data or damage the USB flash drive.



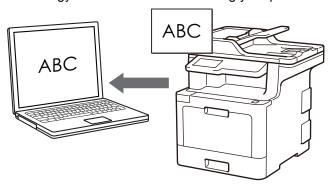
Related Information

· Scan Using the Scan Button on Your Brother Machine

▲ Home > Scan > Scan Using the Scan Button on Your Brother Machine > Scan to an Editable Text File (OCR)

Scan to an Editable Text File (OCR)

Your machine can convert characters in a scanned document to text using optical character recognition (OCR) technology. You can edit this text using your preferred text-editing application.



- The Scan to OCR feature is available for certain languages.
- Use the Scan button on the machine to make temporary changes to the scan settings. To make permanent changes, use Brother's ControlCenter software.
- 1. Load your document.
- 2. Press [Scan] > [to PC] > [to OCR].
- 3. If the machine is connected over the network, select the computer name you want to send data.



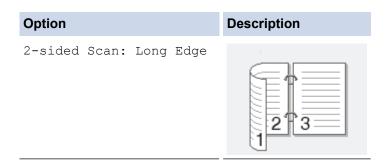
If the LCD prompts you to enter a PIN for the computer, enter the four-digit PIN on the LCD, and then press [OK].

- 4. Do one of the following:
 - To change the scan settings, press <code>[Options]</code>, and then go to the next step.
 - To use the default scan settings, press [Start].
 The machine starts scanning. If using the machine's scanner glass, follow the touchscreen instructions to complete the scanning job.



To change scan settings, a computer with Brother's ControlCenter software installed must be connected to the machine.

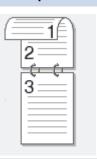
- 5. To scan both sides of the document (MFC-L8900CDW):
 - Press [2-sided Scan], and then select the document type.



Option

Description

2-sided Scan: Short Edge



- 6. Select the scan settings you want to change:
 - [Resolution]
 - [File Type]
 - [Scan Type]
 - [Document Size]
 - [Scan Settings]
 - [Brightness]
 - [Contrast]

(available only for the [Colour] and [Grey] options)

- [ADF Auto Deskew]
- [Skip Blank Page]
- [Remove Background Colour]

 (available only for the [Colour] and [Grey] options)



- If your machine displays the [OK] button, press [OK].
- To save the settings as a shortcut, press [Save as Shortcut].
- Press [Start].

The machine starts scanning. If using the machine's scanner glass, follow the touchscreen instructions to complete the scanning job.

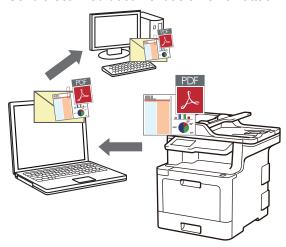
✓

- Scan Using the Scan Button on Your Brother Machine
- Change Scan Button Settings from ControlCenter4 (Windows)
- Change Scan Button Settings from ControlCenter2 (Mac)

▲ Home > Scan > Scan Using the Scan Button on Your Brother Machine > Scan to Email Attachment

Scan to Email Attachment

Send a scanned document as an email attachment.



- Use the Scan button on the machine to make temporary changes to the scan settings. To make permanent changes, use Brother's ControlCenter software.
- The Scan to Email feature does not support Webmail services. Use the Scan to Image or Scan to File feature to scan a document or a picture, and then attach the scanned file to an email message.



The machine scans to your default email client.

- 1. Load your document.
- 2. Press [Scan] > [to PC] > [to E-mail] .
- 3. If the machine is connected over the network, select the computer name you want to send data.



If the LCD prompts you to enter a PIN for the computer, enter the four-digit PIN on the LCD, and then press [OK].

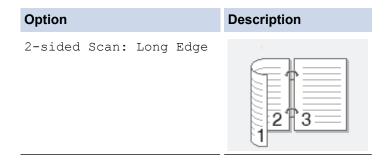
- 4. Do one of the following:
 - To change the scan settings, press <code>[Options]</code>, and then go to the next step.
 - To use the default scan settings, press [Start].

The machine starts scanning. If using the machine's scanner glass, follow the touchscreen instructions to complete the scanning job.



To change scan settings, a computer with Brother's ControlCenter software installed must be connected to the machine.

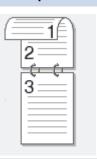
- 5. To scan both sides of the document (MFC-L8900CDW):
 - Press [2-sided Scan], and then select the document type.



Option

Description

2-sided Scan: Short Edge



- 6. Select the scan settings you want to change:
 - [Resolution]
 - [File Type]
 - [Scan Type]
 - [Document Size]
 - [Scan Settings]
 - [Brightness]
 - [Contrast]

(available only for the [Colour] and [Grey] options)

- [ADF Auto Deskew]
- [Skip Blank Page]
- [Remove Background Colour]

 (available only for the [Colour] and [Grey] options)



- If your machine displays the [OK] button, press [OK].
- To save the settings as a shortcut, press [Save as Shortcut].
- Press [Start].

The machine starts scanning. If using the machine's scanner glass, follow the touchscreen instructions to complete the scanning job.

✓ F

- Scan Using the Scan Button on Your Brother Machine
- Change Scan Button Settings from ControlCenter4 (Windows)
- Change Scan Button Settings from ControlCenter2 (Mac)

▲ Home > Scan > Scan Using the Scan Button on Your Brother Machine > Send Scanned Data to an Email Server

Send Scanned Data to an Email Server

Send scanned data from your Brother machine directly to your email server, for delivery to an email recipient without using a computer.

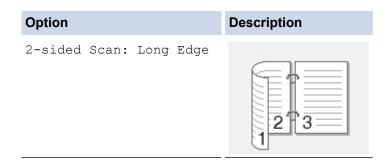
- To send scanned data to an email server, you must configure your machine to communicate with your network and mail server. You can configure these items from the machine's control panel, Web Based Management, Remote Setup, or BRAdmin Professional.
- 1. Load your document.
- 2. Press [Scan] > [to E-mail Server].



- If you registered your email address with your user ID, the [to My E-mail] option appears when you log on to the machine using Secure Function Lock, Active Directory Authentication, or LDAP Authentication.
- To send scanned data to your email address, press [to My E-mail]. When your email address appears on the LCD, press [OK].
- To enable this feature in Web Based Management, click the **Scan** tab, and then click the **Scan to E-mail Server** menu in the left navigation bar. In the **Send to My E-mail** field, select **On**.
- 3. Do one of the following to enter the destination email address:
 - To enter the email address manually, press [Manual], and then enter the email address using the keyboard on the LCD. When finished, press [OK].
 - If the email address is stored in the machine's address book, press [Address Book], and then select the email address.
 - Press [OK].
- 4. Confirm the email address, and then press [Next].
- 5. Do one of the following:
 - To change the settings, press [Options], and then select the button you want to change. Follow the machine's instructions.



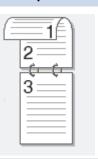
- To set your own default settings: after making changes to settings, press the [Set New Default] option, and then press [Yes].
- To restore the factory settings: press [Factory Reset], and then press [Yes].
- Press [Start] to start scanning without changing additional settings.
- 6. To scan both sides of the document (MFC-L8900CDW):
 - Press [2-sided Scan], and then select the document type.



Option

Description

2-sided Scan: Short Edge



- 7. Select the scan settings you want to change:
 - [Resolution]
 - [File Type]
 - [Scan Type]
 - [Document Size]
 - [Brightness]
 - [Contrast]

(available only for the [Colour] and [Grey] options)

- [File Name]
- [File Name Style]
- [File Size]
- [ADF Auto Deskew]
- [Skip Blank Page]
- [Skip Blank Page Sensitivity]
- [Remove Background Colour]

(available only for the [Colour] and [Grey] options)



- If your machine displays the [OK] button, press [OK].
 - To save the settings as a shortcut, press [Save as Shortcut].

(This function may not be available depending on your machine conditions.)

8. Press [Start].

The machine starts scanning. If using the machine's scanner glass, follow the touchscreen instructions to complete the scanning job.



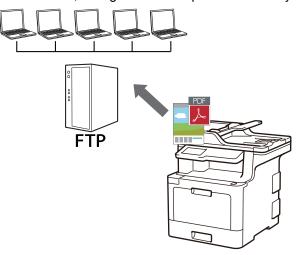
Related Information

Scan Using the Scan Button on Your Brother Machine

▲ Home > Scan > Scan Using the Scan Button on Your Brother Machine > Scan to FTP

Scan to FTP

Scan documents directly to an FTP server when you need to share the scanned information. For added convenience, configure different profiles to save your favourite Scan to FTP destinations.



- · Set up a Scan to FTP Profile
- Upload Scanned Data to an FTP Server

▲ Home > Scan > Scan Using the Scan Button on Your Brother Machine > Scan to FTP > Set up a Scan to FTP Profile

Set up a Scan to FTP Profile

Set up a Scan to FTP Profile to scan and upload the scanned data directly to an FTP location.

We recommend Microsoft Internet Explorer 11 for Windows and Safari 9 for Mac. Make sure that JavaScript and Cookies are always enabled in whichever browser you use.

1. Start your web browser.

Type "http://machine's IP address" in your browser's address bar (where "machine's IP address" is the IP address of the machine or the print server name). For example: http://192.168.1.2

No password is required by default. If you have previously set a password, type it, and then click \rightarrow .

- 2. Click the Scan tab.
- 3. Click the **Scan to FTP/SFTP/Network/SharePoint** menu in the left navigation bar.
- 4. Select the FTP option, and then click Submit.

Profile 1	● FTP ○ SFTP ○ Network ○ SharePoint
Profile 2	● FTP ○ SFTP ○ Network ○ SharePoint
Profile 3	● FTP ○ SFTP ○ Network ○ SharePoint
Profile 4	● FTP ○ SFTP ○ Network ○ SharePoint
Profile 5	● FTP ○ SFTP ○ Network ○ SharePoint
Profile 6	● FTP ○ SFTP ○ Network ○ SharePoint
Profile 7	● FTP ○ SFTP ○ Network ○ SharePoint
Profile 8	● FTP ○ SFTP ○ Network ○ SharePoint
Profile 9	● FTP ○ SFTP ○ Network ○ SharePoint
Profile 10	● FTP ○ SFTP ○ Network ○ SharePoint
Profile 11	● FTP ○ SFTP ○ Network ○ SharePoint
Profile 12	● FTP ○ SFTP ○ Network ○ SharePoint
Profile 13	● FTP ○ SFTP ○ Network ○ SharePoint
Profile 14	● FTP ○ SFTP ○ Network ○ SharePoint
Profile 15	● FTP ○ SFTP ○ Network ○ SharePoint
Profile 16	● FTP ○ SFTP ○ Network ○ SharePoint
Profile 17	● FTP ○ SFTP ○ Network ○ SharePoint
Profile 18	● FTP ○ SFTP ○ Network ○ SharePoint
Profile 19	● FTP ○ SFTP ○ Network ○ SharePoint
Profile 20	● FTP ○ SFTP ○ Network ○ SharePoint
Profile 21	● FTP ○ SFTP ○ Network ○ SharePoint
Profile 22	● FTP ○ SFTP ○ Network ○ SharePoint
Profile 23	● FTP ○ SFTP ○ Network ○ SharePoint
Profile 24	● FTP ○ SFTP ○ Network ○ SharePoint
Profile 25	● FTP ○ SFTP ○ Network ○ SharePoint
Send to My Folder	● Off ○ On
	This function can be enabled when Active Directory Authentication or LDAP Authentication is active.

- 5. Click the **Scan to FTP/SFTP/Network/SharePoint Profile** menu in the left navigation bar.
- 6. Select the profile you want to set up or change.
- 7. In the **Profile Name** field, type a name for this server profile (up to 15 alphanumeric characters). The machine will display this name on the LCD.
- 8. In the **Host Address** field, type the Host Address (for example: ftp.example.com; up to 64 characters) or the IP address (for example: 192.23.56.189).
- 9. Change the **Port Number** setting used to access the FTP server. The default for this setting is port 21. In most cases this setting does not need to be changed.
- 10. In the **Username** field, type a user name (up to 32 characters) that has permission to write data to the FTP server.
- 11. In the **Password** field, type the password (up to 32 characters) associated with the user name you entered in the **Username** field. Type the password again in the **Retype password** field.

- 12. To scan securely using SSL/TLS communication, set the **SSL/TLS** option. Change the **CA Certificate** setting, if needed.
- 13. In the **Store Directory** field, type the path to the folder on the FTP server where you want to send your scanned data. Do not type a slash mark at the beginning of the path (see example).

Store Directory	/	brother/abc

- 14. Click the **File Name** drop-down list, and then select a file name prefix from the preset names provided, or from user-defined names. The file name used for the scanned document will be the file name prefix you select, followed by the last six digits of the flatbed/ADF scanner counter and the file extension (for example: "Estimate 098765.pdf").
- 15. Click the **Quality** drop-down list, and then select a quality setting. If you choose the **User Select** option, the machine will prompt users to select a setting each time they use the scan profile.
- 16. Click the **File Type** drop-down list, and then select the file type you want to use for the scanned document. If you choose the **User Select** option, the machine will prompt users to select a setting each time they use the scan profile.
- 17. Click the **Document Size** drop-down list, and then select your document size from the list. This is necessary to make sure the scanned file is the correct size.
- 18. Click the File Size drop-down list, and then select your file size from the list.
- 19. Click the **Remove Background Color** drop-down list, and then select the level from the list. You can use this feature to remove the background colour of documents to make the scanned data more legible.
- 20. Set the **Passive Mode** option to off or on depending on your FTP server and network firewall configuration. The default setting is on. In most cases this setting does not need to be changed.
- 21. Click Submit.



Using the following characters: ?, /, \, ", :, <, >, | or * may cause a sending error.



Related Information

· Scan to FTP

▲ Home > Scan > Scan Using the Scan Button on Your Brother Machine > Scan to FTP > Upload Scanned Data to an FTP Server

Upload Scanned Data to an FTP Server

Share scanned information by saving it to your FTP server.

- 1. Load your document.
- 2. Press [Scan] > [to FTP/SFTP].
- 3. The server profiles you have set up using Web Based Management are listed. Select the profile you want. If the profile is not complete (for example, if the logon account name and password are missing, or if the quality or file type is not specified), you will be prompted to enter any missing information.
- 4. Press [Start].

The machine starts scanning. If using the machine's scanner glass, follow the touchscreen instructions to complete the scanning job.

✓

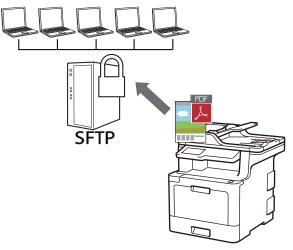
Related Information

· Scan to FTP

▲ Home > Scan > Scan Using the Scan Button on Your Brother Machine > Scan to SSH FTP (SFTP)

Scan to SSH FTP (SFTP)

Scan documents directly to an SFTP server, a secure version of an FTP server. For added convenience, configure different profiles to save your favourite Scan to SFTP destinations.



- Set up a Scan to SFTP Profile
- Create a Client Key Pair Using Web Based Management
- Export a Client Key Pair Using Web Based Management
- Import a Server Public Key Using Web Based Management
- · Upload Scanned Data to an SFTP Server

■ Home > Scan > Scan Using the Scan Button on Your Brother Machine > Scan to SSH FTP (SFTP) > Set up a Scan to SFTP Profile

Set up a Scan to SFTP Profile

Set up a Scan to SFTP Profile to scan and upload scanned data directly to an SFTP location.

We recommend Microsoft Internet Explorer 11 for Windows and Safari 9 for Mac. Make sure that JavaScript and Cookies are always enabled in whichever browser you use.

1. Start your web browser.

Type "http://machine's IP address" in your browser's address bar (where "machine's IP address" is the IP address of the machine or the print server name). For example: http://192.168.1.2

No password is required by default. If you have previously set a password, type it, and then click \rightarrow .

- 2. Click the Scan tab.
- 3. Click the **Scan to FTP/SFTP/Network/SharePoint** menu in the left navigation bar.
- 4. Select the SFTP option, and then click Submit.

Profile 1	○FTP ●SFTP ○Network ○SharePoint
Profile 2	○FTP ●SFTP ○Network ○SharePoint
Profile 3	○FTP ●SFTP ○Network ○SharePoint
Profile 4	○FTP ●SFTP ○Network ○SharePoint
Profile 5	○FTP ●SFTP ○Network ○SharePoint
Profile 6	○ FTP SFTP Network SharePoint
Profile 7	○FTP SFTP Network SharePoint
Profile 8	○ FTP SFTP Network SharePoint
Profile 9	○ FTP ● SFTP ○ Network ○ SharePoint
Profile 10	○ FTP SFTP Network SharePoint
Profile 11	○ FTP SFTP Network SharePoint
Profile 12	○ FTP ● SFTP ○ Network ○ SharePoint
Profile 13	○ FTP ● SFTP ○ Network ○ SharePoint
Profile 14	○FTP ●SFTP ○Network ○SharePoint
Profile 15	○FTP ●SFTP ○Network ○SharePoint
Profile 16	○FTP ●SFTP ○Network ○SharePoint
Profile 17	○FTP ●SFTP ○Network ○SharePoint
Profile 18	○FTP ●SFTP ○Network ○SharePoint
Profile 19	○FTP ●SFTP ○Network ○SharePoint
Profile 20	○FTP ●SFTP ○Network ○SharePoint
Profile 21	○ FTP ● SFTP ○ Network ○ SharePoint
Profile 22	○FTP ●SFTP ○Network ○SharePoint
Profile 23	○FTP ●SFTP ○Network ○SharePoint
Profile 24	○FTP ●SFTP ○Network ○SharePoint
Profile 25	○FTP ●SFTP ○Network ○SharePoint
Send to My Folder	● Off ○ On
	This function can be enabled when Active Directory Authentication or LDAP Authentication is active.

- 5. Click the Scan to FTP/SFTP/Network/SharePoint Profile menu in the left navigation bar.
- 6. Select the profile you want to set up or change.
- 7. In the **Profile Name** field, type a name for this server profile (up to 15 alphanumeric characters). The machine will display this name on the LCD.
- 8. In the **Host Address** field, type the Host Address (for example: sftp.example.com; up to 64 characters) or the IP address (for example: 192.23.56.189).
- 9. In the **Username** field, type the user name (up to 32 characters) that has permission to write data to the SFTP server.
- 10. In the Auth. Method field, select Password or Public Key.
- 11. Do one of the following:
 - When you select Password, type the password (up to 32 characters) associated with the user name you
 typed in the Username field. Type the password again in the Retype password field.

- When you select Public Key, select the authentication type from the Client Key Pair drop-down list.
- 12. Select the authentication type from the **Server Public Key** drop-down list.
- 13. In the **Store Directory** field, type the path to the folder on the SFTP server where you want to send your scanned data. Do not type a slash mark at the beginning of the path (see example).

Store Directory	brother/abc

- 14. Click the **File Name** drop-down list, and then select a file name prefix from the preset names provided, or from user-defined names. The file name used for the scanned document will be the file name prefix you select, followed by the last six digits of the flatbed/ADF scanner counter and the file extension (for example: "Estimate 098765.pdf").
- 15. Click the **Quality** drop-down list, and then select a quality setting. If you choose the **User Select** option, the machine will prompt users to select a setting each time they use the scan profile.
- 16. Click the **File Type** drop-down list, and then select the file type you want to use for the scanned document. If you choose the **User Select** option, the machine will prompt users to select a setting each time they use the scan profile.
- 17. Click the **Document Size** drop-down list, and then select your document size from the list. This is necessary to make sure the scanned file is the correct size.
- 18. Click the File Size drop-down list, and then select your file size from the list.
- 19. Click the **Remove Background Color** drop-down list, and then select the level from the list. You can use this feature to remove the background colour of documents to make the scanned data more legible.
- 20. You can change the **Port Number** setting used to access the SFTP server. The default for this setting is port 22. In most cases this setting does not need to be changed.
- 21. Click Submit.



Using the following characters: ?, /, \, ", :, <, >, | or * may cause a sending error.



Related Information

• Scan to SSH FTP (SFTP)

▲ Home > Scan > Scan Using the Scan Button on Your Brother Machine > Scan to SSH FTP (SFTP) > Create a Client Key Pair Using Web Based Management

Create a Client Key Pair Using Web Based Management

- 1. Start your web browser.
- 2. Type "http://machine's IP address" in your browser's address bar (where "machine's IP address" is the machine's IP address).

For example:

http://192.168.1.2



- If you are using a Domain Name System or enable a NetBIOS name, you can type another name, such as "SharedPrinter" instead of the IP address.
 - For example:

http://SharedPrinter

If you enable a NetBIOS name, you can also use the node name.

- For example:

http://brnxxxxxxxxxxxx

The NetBIOS name can be found in the Network Configuration Report.

- For Mac, access Web Based Management by clicking the machine's icon on the Status Monitor screen.
- 3. No password is required by default. Type a password if you have set one, and then click



- 4. Click the Network tab.
- 5. Click the Security tab.
- 6. Click Client Key Pair in the left navigation bar.
- 7. Click Create New Client Key Pair.
- 8. In the Client Key Pair Name field, type the name (up to 20 characters) you want.
- 9. Click the Public Key Algorithm drop-down list, and then select the algorithm you want.
- 10. Click Submit.

The client key pair is created and saved in your machine's memory. The client key pair name and public key algorithm will be displayed in the **Client Key Pair List**.



Related Information

• Scan to SSH FTP (SFTP)

■ Home > Scan > Scan Using the Scan Button on Your Brother Machine > Scan to SSH FTP (SFTP) > Export a Client Key Pair Using Web Based Management

Export a Client Key Pair Using Web Based Management

- 1. Start your web browser.
- 2. Type "http://machine's IP address" in your browser's address bar (where "machine's IP address" is the machine's IP address).

For example:

http://192.168.1.2



- If you are using a Domain Name System or enable a NetBIOS name, you can type another name, such as "SharedPrinter" instead of the IP address.
 - For example:

http://SharedPrinter

If you enable a NetBIOS name, you can also use the node name.

- For example:

http://brnxxxxxxxxxxxx

The NetBIOS name can be found in the Network Configuration Report.

- For Mac, access Web Based Management by clicking the machine's icon on the Status Monitor screen.
- 3. No password is required by default. Type a password if you have set one, and then click



- 4. Click the Network tab.
- 5. Click the Security tab.
- 6. Click Client Key Pair in the left navigation bar.
- 7. Click Export Public Key shown with Client Key Pair List.
- 8. Click Submit.
- 9. Specify the location where you want to save the file.

The client key pair is exported to your computer.



Related Information

Scan to SSH FTP (SFTP)

■ Home > Scan > Scan Using the Scan Button on Your Brother Machine > Scan to SSH FTP (SFTP) > Import a Server Public Key Using Web Based Management

Import a Server Public Key Using Web Based Management

- 1. Start your web browser.
- 2. Type "http://machine's IP address" in your browser's address bar (where "machine's IP address" is the machine's IP address).

For example:

http://192.168.1.2



- If you are using a Domain Name System or enable a NetBIOS name, you can type another name, such as "SharedPrinter" instead of the IP address.
 - For example:

http://SharedPrinter

If you enable a NetBIOS name, you can also use the node name.

- For example:

http://brnxxxxxxxxxxxx

The NetBIOS name can be found in the Network Configuration Report.

- For Mac, access Web Based Management by clicking the machine's icon on the Status Monitor screen.
- 3. No password is required by default. Type a password if you have set one, and then click



- 4. Click the Network tab.
- 5. Click the Security tab.
- 6. Click Server Public Key in the left navigation bar.
- 7. Click Import Server Public Key.
- 8. Specify the file that you want to import.
- 9. Click Submit.

The server public key is imported to your machine.



Related Information

· Scan to SSH FTP (SFTP)

▲ Home > Scan > Scan Using the Scan Button on Your Brother Machine > Scan to SSH FTP (SFTP) > Upload Scanned Data to an SFTP Server

Upload Scanned Data to an SFTP Server

- 1. Load your document.
- 2. Press [Scan] > [to FTP/SFTP].
- 3. The server profiles you have set up using Web Based Management are listed. Select the profile you want. If the profile is not complete (for example, if the logon account name and password are missing, or if the quality or file type is not specified), you will be prompted to enter any missing information.
- 4. Press [Start].

The machine starts scanning. If using the machine's scanner glass, follow the touchscreen instructions to complete the scanning job.

✓ Re

Related Information

• Scan to SSH FTP (SFTP)

▲ Home > Scan > Scan Using the Scan Button on Your Brother Machine > Scan to Network (Windows)

Scan to Network (Windows)

Scan documents directly to a CIFS server on your local network. For added convenience, you can configure different profiles to save your favourite Scan to Network destinations.

- Set up a Scan to Network Profile
- Upload Scanned Data to a CIFS Server

▲ Home > Scan > Scan Using the Scan Button on Your Brother Machine > Scan to Network (Windows) > Set up a Scan to Network Profile

Set up a Scan to Network Profile

Set up a Scan to Network Profile to scan and upload scanned data directly to a folder on a CIFS server.

We recommend Microsoft Internet Explorer 11 for Windows and Safari 9 for Mac. Make sure that JavaScript and Cookies are always enabled in whichever browser you use.

- 1. Start your web browser.
 - Type "http://machine's IP address" in your browser's address bar (where "machine's IP address" is the IP address of the machine or the print server name). For example: http://192.168.1.2
 - No password is required by default. If you have previously set a password, type it, and then click \Longrightarrow .
- 2. Click the Scan tab.
- 3. Click the Scan to FTP/SFTP/Network/SharePoint menu in the left navigation bar.
- 4. Select the **Network** option, and then click **Submit**.

Profile 1	○FTP ○SFTP Network ○SharePoint
Profile 2	○FTP ○SFTP ● Network ○ SharePoint
Profile 3	○FTP ○SFTP ● Network ○ SharePoint
Profile 4	○FTP ○SFTP ● Network ○ SharePoint
Profile 5	○ FTP ○ SFTP ● Network ○ SharePoint
Profile 6	○FTP ○SFTP ● Network ○ SharePoint
Profile 7	○ FTP ○ SFTP ● Network ○ SharePoint
Profile 8	○FTP ○SFTP Network ○SharePoint
Profile 9	○FTP ○SFTP ● Network ○ SharePoint
Profile 10	○ FTP ○ SFTP ● Network ○ SharePoint
Profile 11	○ FTP ○ SFTP ● Network ○ SharePoint
Profile 12	○FTP ○SFTP Network ○SharePoint
Profile 13	○ FTP ○ SFTP ● Network ○ SharePoint
Profile 14	○FTP ○SFTP Network ○SharePoint
Profile 15	○FTP ○SFTP Network ○SharePoint
Profile 16	○FTP ○SFTP ● Network ○ SharePoint
Profile 17	○FTP ○SFTP Network ○SharePoint
Profile 18	○FTP ○SFTP ● Network ○ SharePoint
Profile 19	○FTP ○SFTP Network ○SharePoint
Profile 20	○FTP ○SFTP ● Network ○ SharePoint
Profile 21	○FTP ○SFTP Network ○SharePoint
Profile 22	○FTP ○SFTP ● Network ○ SharePoint
Profile 23	○FTP ○SFTP ● Network ○ SharePoint
Profile 24	○FTP ○SFTP ● Network ○ SharePoint
Profile 25	○ FTP ○ SFTP ● Network ○ SharePoint
Send to My Folder	● Off ○ On
	This function can be enabled when Active Directory Authentication or LDAP Authentication is active.

- 5. Click the **Scan to FTP/SFTP/Network/SharePoint Profile** menu in the left navigation bar.
- 6. Select the profile you want to set up or change.
- 7. To send the data to your designated folder on the CIFS server, in the **Send to My Folder** field, select **On**.
- 8. In the **Profile Name** field, type a name for this server profile (up to 15 alphanumeric characters). The machine will display this name on the LCD.
- 9. In the **Network Folder Path** field, type the path to the folder on the CIFS server where you want to send your scanned data.
- 10. Click the **File Name** drop-down list, and then select a file name prefix from the preset names provided, or from user-defined names. The file name used for the scanned document will be the file name prefix you select, followed by the last six digits of the flatbed/ADF scanner counter and the file extension (for example: "Estimate 098765.pdf").

- 11. Click the **Quality** drop-down list, and then select a quality setting. If you choose the **User Select** option, the machine will prompt users to select a setting each time they use the scan profile.
- 12. Click the **File Type** drop-down list, and then select the file type you want to use for the scanned document. If you choose the **User Select** option, the machine will prompt users to select a setting each time they use the scan profile.
- 13. Click the **Document Size** drop-down list, and then select your document size from the list. This is necessary to make sure the scanned file is the correct size.
- 14. Click the File Size drop-down list, and then select your file size from the list.
- 15. Click the **Remove Background Color** drop-down list, and then select the level from the list. You can use this feature to remove the background colour of documents to make the scanned data more legible.
- 16. To PIN-protect this profile, in the Use PIN for Authentication field, select On.
- 17. If you selected **On** for the **Use PIN for Authentication** field, type a four-digit PIN in the **PIN Code** field.
- 18. To set your authentication method, select **Auto**, **Kerberos**, or **NTLMv2** from the **Auth. Method** menu.
- 19. In the **Username** field, type a user name (up to 96 characters) that has permission to write data to the folder specified in the **Network Folder Path** field. If the user name is part of a domain, enter the user name in one of the following styles:

user@domain

domain\user

- 20. In the **Password** field, type the password (up to 32 characters) associated with the user name you entered in the **Username** field. Type the password again in the **Retype password** field.
- 21. To set the Kerberos Server Address manually, in the **Kerberos Server Address** field, type the Kerberos Server Address (for example: kerberos.example.com; up to 64 characters).
- 22. Click Submit.



Using the following characters: ?, /, \, ", :, <, >, | or * may cause a sending error.

23. You must configure the SNTP protocol (network time server) or you must set the date, time and time zone correctly on the control panel for all authentication methods. The time must match the time used by the Kerberos Server and CIFS Server.

✓

- Scan to Network (Windows)
- · Set the Date and Time Using Web Based Management

▲ Home > Scan > Scan Using the Scan Button on Your Brother Machine > Scan to Network (Windows) > Set up a Scan to Network Profile > Set the Date and Time Using Web Based Management

Set the Date and Time Using Web Based Management

Make sure the date and time and the time zone settings are set correctly using Web Based Management or the control panel, so the machine's time matches the time being used by the server providing authentication.

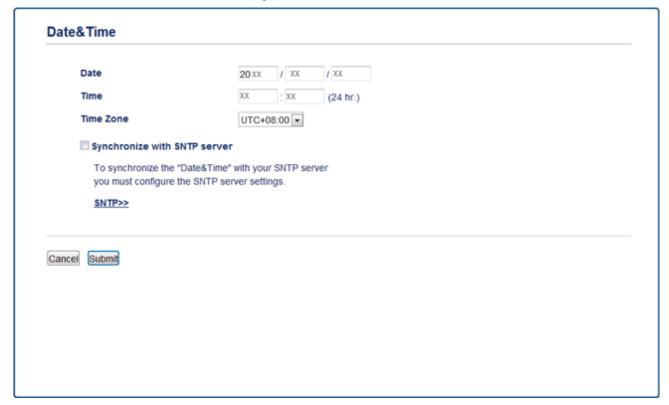
Ignore step 1, if you already have a Web Based Management window open.

1. Start your web browser.

Type "http://machine's IP address" in your browser's address bar (where "machine's IP address" is the IP address of the machine or the print server name). For example: http://192.168.1.2

No password is required by default. If you have previously set a password, type it, and then click ...

- 2. Click the **Administrator** tab.
- 3. Click the **Date&Time** menu in the left navigation bar.



- 4. In the **Date** fields, enter the date.
- 5. In the **Time** fields, enter the time.
- 6. Select the time difference between your location and UTC from the **Time Zone** drop-down list, for example, the time zone for Eastern time in the USA and Canada is UTC-05:00.
- 7. Click Submit.

Related Information

· Set up a Scan to Network Profile

▲ Home > Scan > Scan Using the Scan Button on Your Brother Machine > Scan to Network (Windows) > Upload Scanned Data to a CIFS Server

Upload Scanned Data to a CIFS Server

- 1. Load your document.
- 2. Press [Scan] > [to Network].



- If you registered your user ID, the [to My Folder] option appears when you log on to the machine using Active Directory Authentication or LDAP Authentication.
- To send scanned data to your designated folder on the CIFS server, press [to My Folder].
- To enable this feature in Web Based Management, click the Scan tab, and then click the Scan to FTP/ SFTP/Network/SharePoint menu in the left navigation bar. In the Send to My Folder field, select On.
- 3. The server profiles you have set up using Web Based Management are listed. Select the profile you want. If the profile is not complete (for example, if the logon account name and password are missing, or if the quality or file type is not specified), you will be prompted to enter any missing information.
- 4. Press [Start].

The machine starts scanning. If using the machine's scanner glass, follow the touchscreen instructions to complete the scanning job.



Related Information

Scan to Network (Windows)

▲ Home > Scan > Scan Using the Scan Button on Your Brother Machine > Scan to SharePoint

Scan to SharePoint

Scan documents directly to a SharePoint server when you need to share the scanned information. For added convenience, configure different profiles to save your favourite Scan to SharePoint destinations.

- Set up a Scan to SharePoint Profile
- Upload Scanned Data to a SharePoint Server

▲ Home > Scan > Scan Using the Scan Button on Your Brother Machine > Scan to SharePoint > Set up a Scan to SharePoint Profile

Set up a Scan to SharePoint Profile

Set up a Scan to SharePoint Profile to scan and upload the scanned data directly to a SharePoint location.

We recommend Microsoft Internet Explorer 11 for Windows and Safari 9 for Mac. Make sure that JavaScript and Cookies are always enabled in whichever browser you use.

1. Start your web browser.

Type "http://machine's IP address" in your browser's address bar (where "machine's IP address" is the IP address of the machine or the print server name). For example: http://192.168.1.2

No password is required by default. If you have previously set a password, type it, and then click \rightarrow .

- 2. Click the Scan tab.
- 3. Click the **Scan to FTP/SFTP/Network/SharePoint** menu in the left navigation bar.
- 4. Select the **SharePoint** option, and then click **Submit**.

Profile 1	○FTP ○SFTP ○Network ● SharePoint
Profile 2	○ FTP ○ SFTP ○ Network ● SharePoint
Profile 3	○FTP ○SFTP ○Network ●SharePoint
Profile 4	○FTP ○SFTP ○Network ● SharePoint
Profile 5	○FTP ○SFTP ○Network SharePoint
Profile 6	○FTP ○SFTP ○Network SharePoint
Profile 7	○FTP ○SFTP ○Network SharePoint
Profile 8	○FTP ○SFTP ○Network SharePoint
Profile 9	○FTP ○SFTP ○Network ● SharePoint
Profile 10	○FTP ○SFTP ○Network ● SharePoint
Profile 11	○FTP ○SFTP ○Network ● SharePoint
Profile 12	○ FTP ○ SFTP ○ Network ● SharePoint
Profile 13	○ FTP ○ SFTP ○ Network ● SharePoint
Profile 14	○FTP ○SFTP ○Network SharePoint
Profile 15	○ FTP ○ SFTP ○ Network ● SharePoint
Profile 16	○FTP ○SFTP ○Network ● SharePoint
Profile 17	○FTP ○SFTP ○Network ● SharePoint
Profile 18	○FTP ○SFTP ○Network ● SharePoint
Profile 19	○FTP ○SFTP ○Network SharePoint
Profile 20	○FTP ○SFTP ○Network ●SharePoint
Profile 21	○FTP ○SFTP ○Network SharePoint
Profile 22	○FTP ○SFTP ○Network ● SharePoint
Profile 23	○FTP ○SFTP ○Network ● SharePoint
Profile 24	○FTP ○SFTP ○Network ● SharePoint
Profile 25	○FTP ○SFTP ○Network ● SharePoint
Send to My Folder	● Off ○ On
	This function can be enabled when Active Directory Authentication or LDAP Authentication is active.

- 5. Click the **Scan to FTP/SFTP/Network/SharePoint Profile** menu in the left navigation bar.
- 6. Select the profile you want to set up or change.
- 7. In the **Profile Name** field, type a name for this server profile (up to 15 alphanumeric characters). The machine will display this name on the LCD.
- 8. In the **SharePoint Site Address** field, Copy and Paste the full destination address shown in the address bar of your browser (for example: http://SharePointSiteAddress/Shared%20Documents/Forms/AllItems.aspx) or the IP address (for example: http://192.168.0.1/Shared%20Documents/Forms/AllItems.aspx).
- 9. Click the **File Name** drop-down list, and then select a file name prefix from the preset names provided, or from user-defined names. The file name used for the scanned document will be the file name prefix you select, followed by the last six digits of the flatbed/ADF scanner counter and the file extension (for example: "Estimate_098765.pdf").

- 10. Click the **Quality** drop-down list, and then select a quality setting. If you choose the **User Select** option, the machine will prompt users to select a setting each time they use the scan profile.
- 11. Click the **File Type** drop-down list, and then select the file type you want to use for the scanned document. If you choose the **User Select** option, the machine will prompt users to select a setting each time they use the scan profile.
- 12. Click the **Document Size** drop-down list, and then select your document size from the list. This is necessary to make sure the scanned file is the correct size.
- 13. Click the File Size drop-down list, and then select your file size from the list.
- 14. Click the **Remove Background Color** drop-down list, and then select the level from the list. You can use this feature to remove the background colour of documents to make the scanned data more legible.
- 15. To PIN-protect this profile, in the Use PIN for Authentication field, select On.
- 16. If you selected **On** for the **Use PIN for Authentication** field, type a four-digit PIN in the **PIN Code** field.
- 17. To set your authentication method, select **Auto**, **NTLMv2**, **Kerberos**, or **Basic** from the **Auth. Method** menu. If you choose **Auto**, the authentication method will be detected automatically.
- 18. In the **Username** field, type the user name (up to 96 characters) that has permission to write data to the folder specified in the **SharePoint Site Address** field. If the user name is part of a domain, enter the user name in one of the following styles:

user@domain

domain\user

- 19. In the **Password** field, type the password (up to 32 characters) associated with the user name you entered in the **Username** field. Type the password again in the **Retype password** field.
- 20. To set the Kerberos Server Address manually, in the **Kerberos Server Address** field, type the Kerberos Server Address (for example: kerberos.example.com; up to 64 characters).
- 21. Click Submit.



Using the following characters: ?, /, \, ", :, <, >, | or * may cause a sending error.



Related Information

· Scan to SharePoint

▲ Home > Scan > Scan Using the Scan Button on Your Brother Machine > Scan to SharePoint > Upload Scanned Data to a SharePoint Server

Upload Scanned Data to a SharePoint Server

- 1. Load your document.
- 2. Press [Scan] > [to SharePoint].
- 3. The server profiles you have set up using Web Based Management are listed. Select the profile you want. If the profile is not complete (for example, if the logon account name and password are missing, or if the quality or file type is not specified), you will be prompted to enter any missing information.
- 4. Press [Start].

The machine starts scanning. If using the machine's scanner glass, follow the touchscreen instructions to complete the scanning job.

Related Information

· Scan to SharePoint

▲ Home > Scan > Scan Using the Scan Button on Your Brother Machine > Web Services for Scanning on Your Network (Windows 7, Windows 8 and Windows 10)

Web Services for Scanning on Your Network (Windows 7, Windows 8 and Windows 10)

The Web Services protocol enables Windows 7, Windows 8 and Windows 10 users to scan using a Brother machine on the network. You must install the driver via Web Services.

- Use Web Services to Install Drivers Used for Scanning (Windows 7, Windows 8 and Windows 10)
- Scan Using Web Services from the Brother Machine (Windows 7, Windows 8 and Windows 10)
- Configure Scan Settings for Web Services

▲ Home > Scan > Scan Using the Scan Button on Your Brother Machine > Web Services for Scanning on Your Network (Windows 7, Windows 8 and Windows 10) > Use Web Services to Install Drivers Used for Scanning (Windows 7, Windows 8 and Windows 10)

Use Web Services to Install Drivers Used for Scanning (Windows 7, Windows 8 and Windows 10)

Use Web Services to monitor printers on the network.

- Make sure you have installed the Brother software and drivers.
- Verify that the host computer and the Brother machine are on the same subnet, or that the router is correctly configured to pass data between the two devices.
- You must configure the IP address on your Brother machine before you configure this setting.
- 1. Do one of the following:
 - Windows 7
 - Click (Start) > Control Panel > Network and Internet > View network computers and devices.

The machine's Web Services Name appears with the printer icon.

Right-click the machine you want to install.

Windows 8

Move your mouse to the lower right corner of your desktop. When the menu bar appears, click **Settings** > **Change PC settings** > **Devices** > **Add a device**.

The machine's Web Services Name appears.

Windows 8.1

Move your mouse to the lower right corner of your desktop. When the menu bar appears, click **Settings > Change PC settings > PC and devices > Devices > Add a device**.

The machine's Web Services Name appears.

Windows 10

Click = > Windows System > Control Panel. In the Hardware and Sound group, click Add a device.



- The Web Services Name for the Brother machine is your model name and the MAC Address (Ethernet Address) of your machine (for example, Brother MFC-XXXX (model name) [XXXXXXXXXXXX] (MAC Address / Ethernet Address)).
- Windows 8/Windows 10

Move your mouse over the machine name to display the machine's information.

- 2. Do one of the following:
 - Windows 7

Click Install in the displayed menu.

· Windows 8/Windows 10

Select the machine you want to install, and then follow the on-screen instructions.



To uninstall drivers, click **Uninstall** or \bigcirc (**Remove device**).

Related Information

Web Services for Scanning on Your Network (Windows 7, Windows 8 and Windows 10)

▲ Home > Scan > Scan Using the Scan Button on Your Brother Machine > Web Services for Scanning on Your Network (Windows 7, Windows 8 and Windows 10) > Scan Using Web Services from the Brother Machine (Windows 7, Windows 8 and Windows 10)

Scan Using Web Services from the Brother Machine (Windows 7, Windows 8 and Windows 10)

If you have installed the driver for scanning via Web Services, you can access the Web Services scanning menu on your Brother machine's LCD.

Certain characters in the messages displayed on the LCD may be replaced with spaces if the language settings of your OS and your Brother machine are different.

- 1. Load your document.
- 2. Press [Scan] > [WS Scan].
- Select the type of scan.
- 4. Select the computer name you want to send data.
- 5. Press [Start].

The machine starts scanning.

If you are requested to select a scanning application, select Windows Fax and Scan or Windows Photo Gallery from the list.

V

Related Information

• Web Services for Scanning on Your Network (Windows 7, Windows 8 and Windows 10)

▲ Home > Scan > Scan Using the Scan Button on Your Brother Machine > Web Services for Scanning on Your Network (Windows 7, Windows 8 and Windows 10) > Configure Scan Settings for Web Services

Configure Scan Settings for Web Services

- 1. Do one of the following:
 - · Windows 7

Click (Start) > Devices and Printers.

Windows 8

Move your mouse to the lower right corner of your desktop. When the menu bar appears, click **Settings**, and then click **Control Panel**. In the **Hardware and Sound** group, click **View devices and printers**.

Windows 10

- 2. Right-click the machine icon, and then select **Scan profiles...**. The **Scan Profiles** dialog box appears.
- 3. Select the scan profile you want to use.
- 4. Make sure the scanner selected in the **Scanner** list is a Brother machine that supports Web Services for scanning, and then click the **Set as Default** button.
- 5. Click Edit....

The Edit Default Profile dialog box appears.

- 6. Select the Source, Paper size, Color format, File type, Resolution (DPI), Brightness and Contrast settings.
- 7. Click the Save Profile button.

These settings will be applied when you scan using the Web Services protocol.

If you are requested to select a scanning application, select Windows Fax and Scan or Windows Photo Gallery from the list.

Related Information

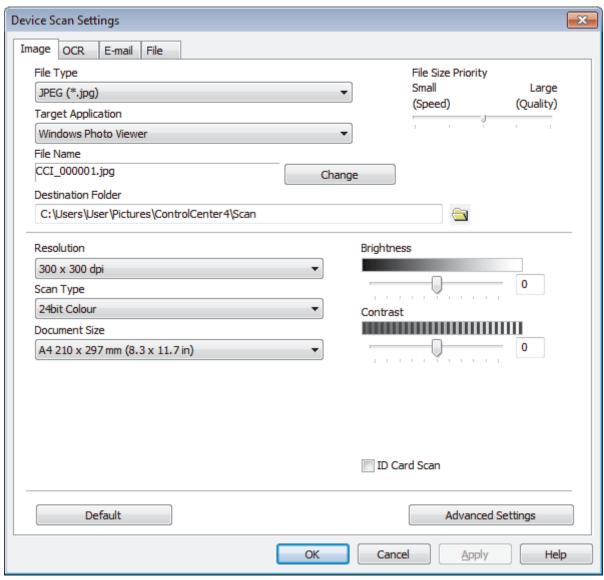
• Web Services for Scanning on Your Network (Windows 7, Windows 8 and Windows 10)

▲ Home > Scan > Scan Using the Scan Button on Your Brother Machine > Change Scan Button Settings from ControlCenter4 (Windows)

Change Scan Button Settings from ControlCenter4 (Windows)

- 1. Click the (ControlCenter4) icon in the task tray, and then click Open.
- 2. Click the **Device Settings** tab.
- 3. Click the **Device Scan Settings** button.

The **Device Scan Settings** dialog box appears.



- 4. Click the tab for the Scan to action you want to change (Image, OCR, E-mail, or File).
- 5. Change the settings as needed.
- 6. Click OK.



Each tab represents one of the scanning destinations, as outlined in the table below.

Change your Scan to settings by clicking on the corresponding tab and customising the setting you want.

Tab Name	Corresponding Feature
Image	Scan to Image
OCR	Scan to OCR
E-mail	Scan to Email
File	Scan to File

Settings	Applicable Features			
	Image	OCR	E-mail	File
File Type	Yes	Yes	Yes	Yes
Target Application	Yes	Yes	-	-
OCR Language	-	Yes	-	-
File Name	Yes	Yes	Yes	Yes
Destination Folder or Scan Location	Yes	Yes	Yes	Yes
Show Save As Window	-	-	-	Yes
Show Folder	-	-	-	Yes
File Size Priority	Yes	-	Yes	Yes
Resolution	Yes	Yes	Yes	Yes
Scan Type	Yes	Yes	Yes	Yes
Document Size	Yes	Yes	Yes	Yes
Brightness	Yes	Yes	Yes	Yes
Contrast	Yes	Yes	Yes	Yes
ID Card Scan	Yes	Yes	Yes	Yes
Advanced Settings	Yes	Yes	Yes	Yes
Default	Yes	Yes	Yes	Yes

File Type

Select the file type you want to use for the scanned data.

Target Application

Select the destination application from the drop-down list.

OCR Language

Set the OCR language to match the language of the scanned document's text.

File Name

Click Change to change the file name's prefix.

Destination Folder

Click the folder icon to browse and select the folder where you want to save your scanned documents.

Scan Location

Select the **Folder** or **SharePoint** radio button to specify the destination where you want to save your scanned documents.

Show Save As Window

Select this option to specify the scanned image's destination every time you scan.

Show Folder

Select this option to automatically display the destination folder after scanning.

File Size Priority

Adjust the data compression ratio of the scanned image. Change the file size by moving the **File Size Priority** slider to the right or left.

Resolution

Select a scanning resolution from the **Resolution** drop-down list. Higher resolutions take more memory and transfer time, but produce a finer scanned image.

Scan Type

Select from a range of scan colour depths.

Auto

Use for any type of document. This mode automatically picks an appropriate colour depth for the document.

Black & White

Use for text or line art images.

Gray (Error Diffusion)

Use for photographic images or graphics. (Error Diffusion is a method for creating simulated grey images without using true grey dots. Black dots are put in a specific pattern to give a grey appearance.)

True Gray

Use for photographic images or graphics. This mode is more accurate because it uses up to 256 shades of grey.

24bit Color

Use to create an image with the most accurate colour reproduction. This mode uses up to 16.8 million colours to scan the image, but it requires the most memory and has the longest transfer time.

Document Size

Select the exact size of your document from the Document Size drop-down list.

If you select the 1 to 2 (A4) option, the scanned image will be divided into two A5-size documents.

Brightness

Set the **Brightness** level by dragging the slider to the right or left to lighten or darken the image. If the scanned image is too light, set a lower brightness level and scan the document again. If the image is too dark, set a higher brightness level and scan the document again. You can also type a value into the field to set the **Brightness** level.

Contrast

Increase or decrease the **Contrast** level by moving the slider to the right or left. An increase emphasises dark and light areas of the image, while a decrease reveals more details in grey areas. You can also type a value into the field to set the **Contrast** level.

ID Card Scan

Select this check box to scan both sides of an identification card onto one page.

Advanced Settings

Configure advanced settings by clicking the **Advanced Settings** button in the Scan Settings dialog box.

Remove Background Color

Remove the base colour of documents to make the scanned data more legible.

Rotate Image

Rotate the scanned image.

Skip Blank Page

Remove the document's blank pages from the scanning results.

Display Scanning Results

Show the numbers of total pages saved and blank pages skipped on your computer screen.

ADF Auto Deskew

When scanning the document from the ADF, the machine corrects skewing of the document automatically.

Default

Select this option to restore all settings to their factory setting values.

4

Related Information

- Scan Using the Scan Button on Your Brother Machine
- Scan Photos and Graphics

- Save Scanned Data to a Folder as a PDF File
- Scan to an Editable Text File (OCR)
- Scan to Email Attachment

▲ Home > Scan > Scan Using the Scan Button on Your Brother Machine > Change Scan Button Settings from ControlCenter2 (Mac)

Change Scan Button Settings from ControlCenter2 (Mac)

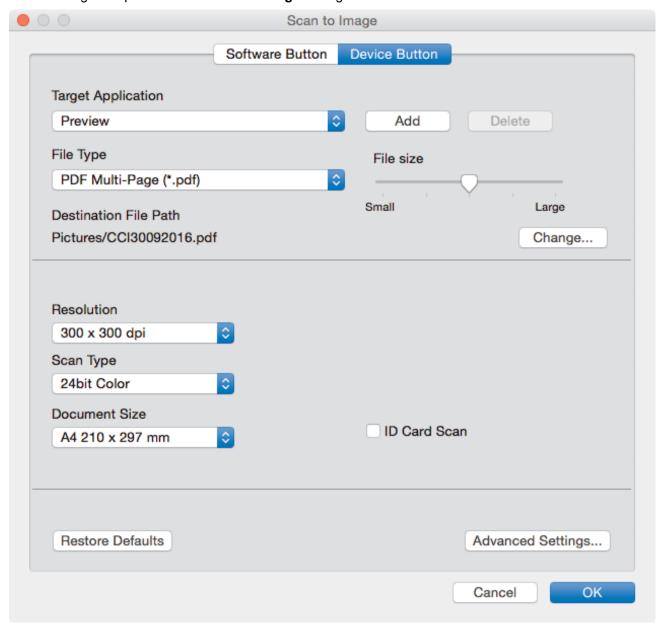
1. In the Finder menu bar, click Go > Applications > Brother, and then double-click the (ControlCenter) icon.

The ControlCenter2 screen appears.

- 2. Hold the control key on your keyboard and click the scan destination (**Image**, **OCR**, **E-mail**, or **File**) whose settings you want to change.
- 3. Click the **Device Button** tab.

The settings for the scan destination that you selected appear.

The following example shows the **Scan to Image** settings.





Each tab corresponds to a scan feature, as described below.

These settings can be changed.

Button Name	Corresponding Feature
Image	Scan to Image
OCR	Scan to OCR
E-mail	Scan to Email
File	Scan to File

Settings	Applicable Features			
	Image	OCR	E-mail	File
Target Application/E-mail Application	Yes	Yes	Yes	-
File Type	Yes	Yes	Yes	Yes
File size	Yes	-	Yes	Yes
OCR Language	-	Yes	-	-
Destination File Path	Yes	Yes	Yes	-
File Name	Yes	Yes	Yes	Yes
Insert Date in File Name	Yes	Yes	Yes	Yes
Destination Folder	Yes	Yes	Yes	Yes
Show Folder	-	-	-	Yes
Resolution	Yes	Yes	Yes	Yes
Scan Type	Yes	Yes	Yes	Yes
Document Size	Yes	Yes	Yes	Yes
ID Card Scan	Yes	Yes	Yes	Yes
Advanced Settings	Yes	Yes	Yes	Yes
Restore Defaults	Yes	Yes	Yes	Yes

Target Application/E-mail Application

Select which application is used to open scanned data. Only applications installed on your computer can be selected.

Add

Add an application to the pop-up menu.

Type the application name in the **Application Name** field (up to 30 characters) and select your preferred application by clicking the **Browse** button. Select the **File Type** option from the pop-up menu.

Delete

Delete an application you have added to the pop-up menu.

Select the application from the **Application Name** pop-up menu, and then click **Delete**.

File Type

Select the file type you want to use for the scanned data.

File size

Change the file size by moving the **File size** slider to the right or left.

OCR Language

Set the OCR language to match the language of the scanned document's text.

Destination File Path

Click the Change button to change the prefix of the file name and the path of the destination folder.

File Name

Type a prefix for your file name, if needed.

Insert Date in File Name

Automatically insert the date in the file name of the scanned image.

Destination Folder

Click Browse to select the folder where you would like to save your scanned document.

Show Folder

Select the Show Folder option to automatically display the destination folder after scanning.

Resolution

Select a scanning resolution from the **Resolution** pop-up menu. Higher resolutions take more memory and transfer time, but produce a finer scanned image.

Scan Type

Select from a range of scan colour depths.

Black & White

Use for text or line art images.

Gray (Error Diffusion)

Use for photographic images or graphics. (Error Diffusion is a method for creating simulated grey images without using true grey dots. Black dots are put in a specific pattern to give a grey appearance.)

True Gray

Use for photographic images or graphics. This mode is more accurate because it uses up to 256 shades of grey.

24bit Color

Use to create an image with the most accurate colour reproduction. This mode uses up to 16.8 million colours to scan the image, but it requires the most memory and has the longest transfer time.

Auto

Use for any type of document. This mode automatically picks an appropriate colour depth for the document.

Document Size

Select the exact size of your document from the **Document Size** pop-up menu.

• If you select the 1 to 2 (A4) option, the scanned image will be divided into two A5-size documents.

ID Card Scan

Select this check box to scan both sides of an identification card onto one page.

Advanced Settings

Configure advanced settings by clicking the Advanced Settings button in the Scan Settings dialog box.

Brightness

Set the **Brightness** level by dragging the slider to the right or left to lighten or darken the image. If the scanned image is too light, set a lower brightness level and scan the document again. If the image is too dark, set a higher brightness level and scan the document again.

Contrast

Increase or decrease the **Contrast** level by moving the slider to the right or left. An increase emphasise dark and light areas of the image, while a decrease reveals more details in grey areas.

ADF Auto Deskew

When scanning the document from the ADF, the machine corrects skewing of the document automatically.

Remove Background Color

Remove the base colour of documents to make the scanned data more recognisable. When you use this function, select from three settings: high, medium, and low.

(Available only for the Auto, True Gray and 24bit Color options)

Skip Blank Page

Remove blank pages of the document from the scanning results.

Display Scanning Results

Show the numbers of total pages saved and blank pages skipped on your computer screen.

Rotate Image

Rotate the scanned image.

Restore Defaults

Select this option to restore all settings to their factory setting values.

Related Information

- Scan Using the Scan Button on Your Brother Machine
- Scan Photos and Graphics
- · Save Scanned Data to a Folder as a PDF File
- Scan to an Editable Text File (OCR)
- · Scan to Email Attachment

▲ Home > Scan > Scan Using the Scan Button on Your Brother Machine > Configure Certificate for Signed PDF

Configure Certificate for Signed PDF

If you select Signed PDF for Scan to USB, Scan to Email server, Scan to FTP, Scan to SFTP, Scan to Network or Scan to SharePoint features, you must configure a certificate on your machine using Web Based Management.

To use Signed PDF, you must install a certificate on your machine and your computer.

1. Start your web browser.

Type "http://machine's IP address" in your browser's address bar (where "machine's IP address" is the IP address of the machine or the print server name). For example: http://192.168.1.2

No password is required by default. If you have previously set a password, type it, and then click ...

- 2. Click the Administrator tab.
- 3. Click the Signed PDF menu in the left navigation bar.

The Signed PDF configuration dialog box appears.



- 4. Click the **Select the Certificate** drop-down list, and then select the certificate.
- 5. Click Submit.

Related Information

Scan Using the Scan Button on Your Brother Machine

▲ Home > Scan > Scan Using the Scan Button on Your Brother Machine > Disable Scanning from Your Computer

Disable Scanning from Your Computer

You can disable the ability to scan from your computer. Set the pull scan setting using Web Based Management.

- 1. Start your web browser.
 - Type "http://machine's IP address" in your browser's address bar (where "machine's IP address" is the IP address of the machine or the print server name). For example: http://192.168.1.2
 - No password is required by default. If you have previously set a password, type it, and then click \rightarrow .
- 2. Click the Scan tab.
- 3. Click the **Scan from PC** menu in the left navigation bar.
- 4. In the Pull Scan field, click Disabled.
- 5. Click Submit.

Related Information

· Scan Using the Scan Button on Your Brother Machine

▲ Home > Scan > Scan from Your Computer (Windows)

Scan from Your Computer (Windows)

There are several ways you can use your computer to scan photos and documents on your Brother machine. Use the software applications provided by Brother, or use your favourite scanning application.

- Scan Using ControlCenter4 Home Mode (Windows)
- Scan Using ControlCenter4 Advanced Mode (Windows)
- Scan Using Nuance[™] PaperPort[™] 14SE or Other Windows Applications
- Scan Using Windows Photo Gallery or Windows Fax and Scan

▲ Home > Scan > Scan from Your Computer (Windows) > Scan Using ControlCenter4 Home Mode (Windows)

Scan Using ControlCenter4 Home Mode (Windows)

Use ControlCenter4 Home Mode to access your machine's main features.

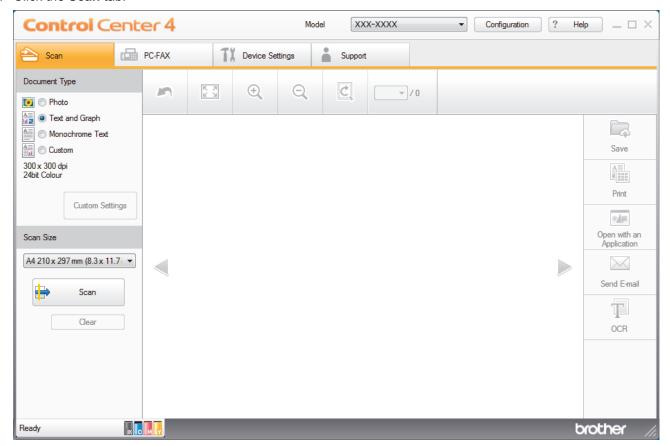
- Scan Using ControlCenter4 Home Mode (Windows)
- Save Scanned Data to a Folder as a PDF File Using ControlCenter4 Home Mode (Windows)
- Scan Both Sides of a Document Automatically Using ControlCenter4 Home Mode (Windows)
- Scan Settings for ControlCenter4 Home Mode (Windows)

▲ Home > Scan > Scan from Your Computer (Windows) > Scan Using ControlCenter4 Home Mode (Windows) > Scan Using ControlCenter4 Home Mode (Windows)

Scan Using ControlCenter4 Home Mode (Windows)

Select **Home Mode** as the mode setting for ControlCenter4.

- 1. Load your document.
- 2. Click the (ControlCenter4) icon in the task tray, and then click Open.
- 3. Click the Scan tab.



- 4. Select the Document Type.
- 5. Change the document's Scan Size, if needed.
- 6. Click (Scan).

The machine starts scanning, and the scanned image appears in the image viewer.

- 7. Click the left or right arrow buttons to preview each scanned page.
- 8. Crop the scanned image, if needed.
- 9. Do one of the following:
 - Click (Save) to save scanned data.
 - Click (Print) to print scanned data.
 - Click (Open with an Application) to open scanned data in another application.
 - Click (Send E-mail) to attach scanned data to an email.
 - Click (OCR) to convert your scanned document to an editable text file.

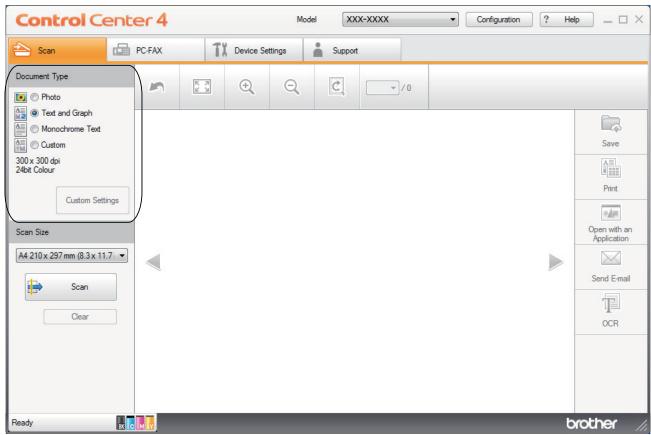
Related Information

- Scan Using ControlCenter4 Home Mode (Windows)
- Select Document Type Using ControlCenter4 Home Mode (Windows)
- Change Scan Size Using ControlCenter4 Home Mode (Windows)
- Crop a Scanned Image Using ControlCenter4 Home Mode (Windows)
- Print Scanned Data Using ControlCenter4 Home Mode (Windows)
- Scan to an Application Using ControlCenter4 Home Mode (Windows)

▲ Home > Scan > Scan from Your Computer (Windows) > Scan Using ControlCenter4 Home Mode (Windows) > Scan Using ControlCenter4 Home Mode (Windows) > Select Document Type Using ControlCenter4 Home Mode (Windows)

Select Document Type Using ControlCenter4 Home Mode (Windows)

• Select the **Document Type** option that matches the type of original you want to scan.



Option	Description
Photo	600 x 600 dpi 24bit Color
Text and Graph	300 x 300 dpi 24bit Color
Monochrome Text	200 x 200 dpi Black & White
Custom	300 x 300 dpi (24bit Color as default) Select the scan settings you want from the Custom Settings button.

Related Information

- Scan Using ControlCenter4 Home Mode (Windows)
- Custom Scan Settings (Windows)

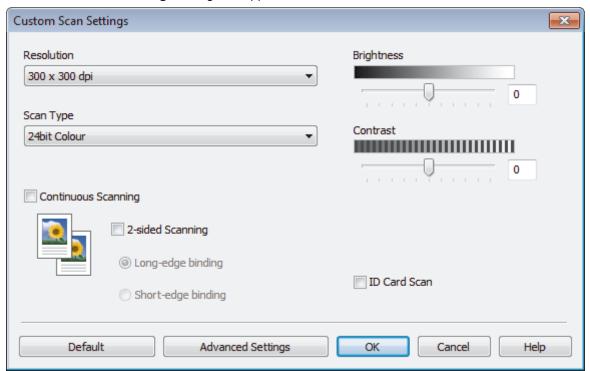
▲ Home > Scan > Scan from Your Computer (Windows) > Scan Using ControlCenter4 Home Mode (Windows) > Scan Using ControlCenter4 Home Mode (Windows) > Select Document Type Using ControlCenter4 Home Mode (Windows) > Custom Scan Settings (Windows)

Custom Scan Settings (Windows)

Select **Custom** in the **Document Type** list to change advanced scan settings.

Select Custom, and then click the Custom Settings button.

The Custom Scan Settings dialog box appears.



You can change the following settings:

Resolution

Select a scanning resolution from the **Resolution** drop-down list. Higher resolutions take more memory and transfer time, but produce a finer scanned image.

Scan Type

Select from a range of scan colour depths.

- Auto

Use for any type of document. This mode automatically picks an appropriate colour depth for the document.

- Black & White

Use for text or line art images.

- Gray (Error Diffusion)

Use for photographic images or graphics. (Error Diffusion is a method for creating simulated grey images without using true grey dots. Black dots are put in a specific pattern to give a grey appearance.)

- True Gray

Use for photographic images or graphics. This mode is more accurate because it uses up to 256 shades of grey.

- 24bit Color

Use to create an image with the most accurate colour reproduction. This mode uses up to 16.8 million colours to scan the image, but it requires the most memory and has the longest transfer time.

Brightness

Set the **Brightness** level by dragging the slider to the right or left to lighten or darken the image. If the scanned image is too light, set a lower brightness level and scan the document again. If the image is too dark, set a higher brightness level and scan the document again. You can also type a value into the field to set the **Brightness** level.

Contrast

Increase or decrease the **Contrast** level by moving the slider to the right or left. An increase emphasises dark and light areas of the image, while a decrease reveals more details in grey areas. You can also type a value into the field to set the **Contrast** level.

Continuous Scanning

Select this option to scan multiple pages. After a page is scanned, select either continue scanning or finish.

2-sided Scanning

Select this check box to scan both sides of the document. When using the Automatic 2-sided Scan feature, you must select the **Long-edge binding** or **Short-edge binding** option, depending on the layout of your original, to make sure the data file you create appears correctly.

(MFC-L8900CDW)

ID Card Scan

Select this check box to scan both sides of an identification card onto one page.

Advanced Settings

Configure advanced settings by clicking the **Advanced Settings** button in the Scan Settings dialog box.

- Remove Bleed-through / Pattern
 - Remove Background Color

Remove the base colour of documents to make the scanned data more legible.

- Rotate Image

Rotate the scanned image.

- Skip Blank Page

Remove the document's blank pages from the scanning results.

- Display Scanning Results

Show the numbers of total pages saved and blank pages skipped on your computer screen.

ADF Auto Deskew

When scanning the document from the ADF, the machine corrects skewing of the document automatically.



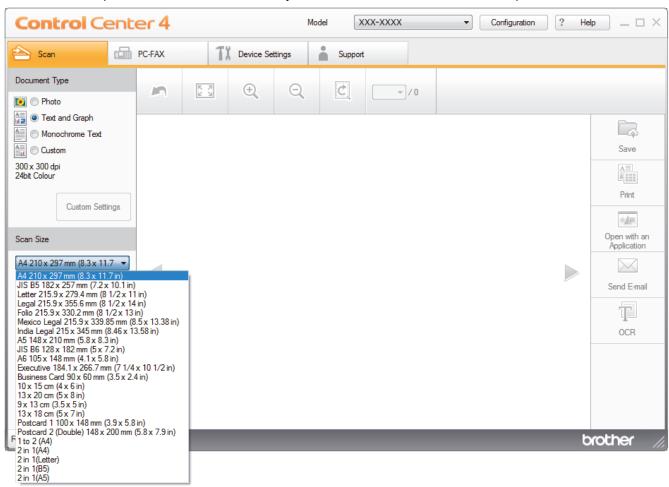
Related Information

Select Document Type Using ControlCenter4 Home Mode (Windows)

▲ Home > Scan > Scan from Your Computer (Windows) > Scan Using ControlCenter4 Home Mode (Windows) > Scan Using ControlCenter4 Home Mode (Windows) > Change Scan Size Using ControlCenter4 Home Mode (Windows)

Change Scan Size Using ControlCenter4 Home Mode (Windows)

For faster scan speeds, select the exact size of your document from the Scan Size drop-down menu.



Related Information

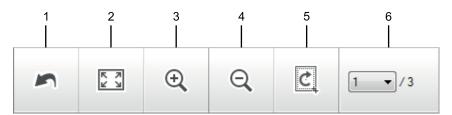
Scan Using ControlCenter4 Home Mode (Windows)

▲ Home > Scan > Scan from Your Computer (Windows) > Scan Using ControlCenter4 Home Mode (Windows) > Scan Using ControlCenter4 Home Mode (Windows) > Crop a Scanned Image Using ControlCenter4 Home Mode (Windows)

Crop a Scanned Image Using ControlCenter4 Home Mode (Windows)

The crop tool on the Image Editing Toolbar lets you trim unwanted areas from your scanned image. Use the **Zoom In** and **Zoom Out** tools to help view the image to be cropped.

Image Editing Toolbar



1. Restart

Cancels all the edits applied to the selected image. The edited image returns to its original state.

2. Fit to Window

Displays the scanned image so that the entire image fits in the window.

3. Zoom In

Zooms in on the scanned image.

4. Zoom Out

Zooms out of the scanned image.

5. Crop and Edit

Removes the outer parts of the image. Click the **Crop and Edit** button, and then change the frame to contain the area you want to keep after cropping.

6. Page Counter

Indicates the page number of the scanned page currently shown in the image viewer. To display a different page, select the desired page number from the drop-down page number list.

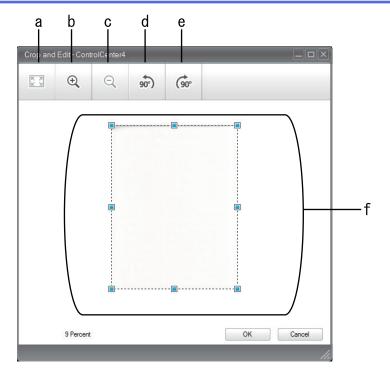


If you have scanned multiple pages, you can see the next or previous scanned page by clicking the left or right arrow buttons in the preview window.

1. Scan a document.

2. Click (Crop and Edit) to edit the scanned image.

The Crop and Edit - ControlCenter4 window appears.



- a. Expands the scanned image so that the entire image fits in the window.
- b. Zooms in on the image.
- c. Zooms out of the image.
- d. Rotates the image counter-clockwise 90 degrees.
- e. Rotates the image clockwise 90 degrees.
- f. Click and drag the frame to adjust the area to be cropped.
- 3. Click OK.

The edited image appears in the image viewer.

Related Information

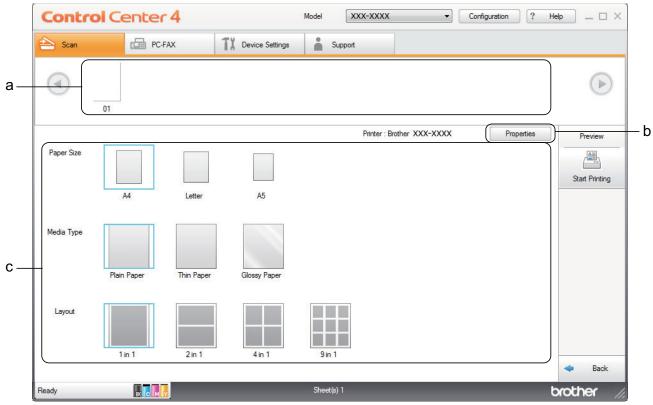
• Scan Using ControlCenter4 Home Mode (Windows)

▲ Home > Scan > Scan from Your Computer (Windows) > Scan Using ControlCenter4 Home Mode (Windows) > Scan Using ControlCenter4 Home Mode (Windows) > Print Scanned Data Using ControlCenter4 Home Mode (Windows)

Print Scanned Data Using ControlCenter4 Home Mode (Windows)

Scan a document on your Brother machine, and then print copies using the printer driver features that are available in ControlCenter4.

- 1. Scan a document.
- 2. Click Print.



- a. Shows which images are currently selected.
- b. Click the **Properties** button to change specific printer settings.
- c. Select the **Paper Size**, **Media Type** and **Layout** options. The current settings are enclosed in a blue square.
- 3. Configure the print settings, and then click the **Start Printing** button.

Related Information

• Scan Using ControlCenter4 Home Mode (Windows)

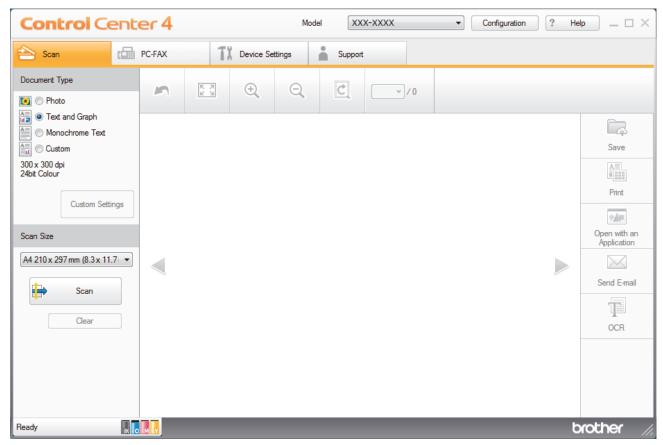
▲ Home > Scan > Scan from Your Computer (Windows) > Scan Using ControlCenter4 Home Mode (Windows) > Scan Using ControlCenter4 Home Mode (Windows) > Scan to an Application Using ControlCenter4 Home Mode (Windows)

Scan to an Application Using ControlCenter4 Home Mode (Windows)

The Open with an Application button lets you scan an image directly into your graphics application for editing.

Select **Home Mode** as the mode setting for ControlCenter4.

- 1. Load your document.
- 2. Click the (ControlCenter4) icon in the task tray, and then click Open.
- 3. Click the Scan tab.



- 4. Select the Document Type.
- 5. Change the size of your document, if needed.
- 6. Click (Scan).

The machine starts scanning, and the scanned image appears in the image viewer.

- 7. Click the left or right arrow buttons to preview each scanned page.
- 8. Crop the scanned image, if needed.
- 9. Click the **Open with an Application** button.
- 10. Select the application from the drop-down list, and then click **OK**.

The image opens in the application you have selected.

Related Information

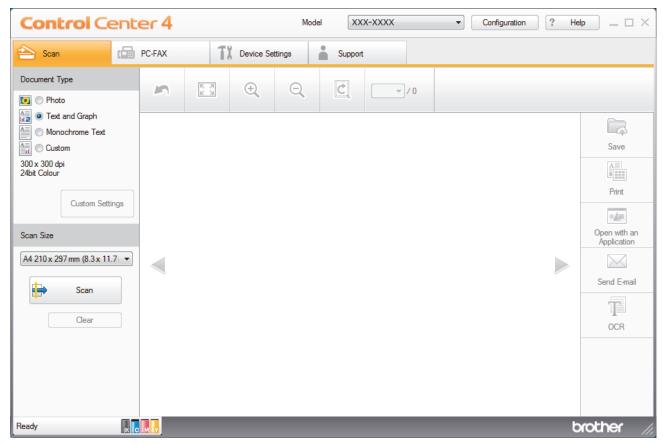
Scan Using ControlCenter4 Home Mode (Windows)

▲ Home > Scan > Scan from Your Computer (Windows) > Scan Using ControlCenter4 Home Mode (Windows) > Save Scanned Data to a Folder as a PDF File Using ControlCenter4 Home Mode (Windows)

Save Scanned Data to a Folder as a PDF File Using ControlCenter4 Home Mode (Windows)

Select Home Mode as the mode setting for ControlCenter4.

- 1. Load your document.
- Click the (ControlCenter4) icon in the task tray, and then click Open.
- 3. Click the Scan tab.



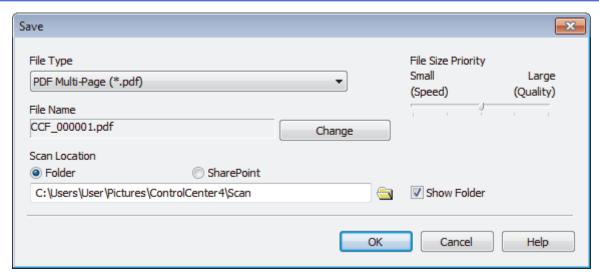
- 4. Select the **Document Type**.
- 5. Change the size of your document, if needed.
- 6. Click (Scan).

The machine starts scanning, and the scanned image appears in the image viewer.

- 7. Click the left or right arrow buttons to preview each scanned page.
- 8. Click Save.

The Save dialog box appears.

9. Click the **File Type** drop-down list, and then select a PDF file.





To save the document as a password-protected PDF, select **Secure PDF Single-Page (*.pdf)** or **Secure PDF Multi-Page (*.pdf)** from the **File Type** drop-down list, click , and then type the password.

- 10. To change the file name, click the **Change** button, if needed.
- 11. Click the folder icon to browse and select the folder where you want to save your scanned documents.
- 12. Click **OK**.

The scanned document is saved to the destination folder as a PDF.

Related Information

Scan Using ControlCenter4 Home Mode (Windows)

▲ Home > Scan > Scan from Your Computer (Windows) > Scan Using ControlCenter4 Home Mode (Windows) > Scan Both Sides of a Document Automatically Using ControlCenter4 Home Mode (Windows)

Scan Both Sides of a Document Automatically Using ControlCenter4 Home Mode (Windows)

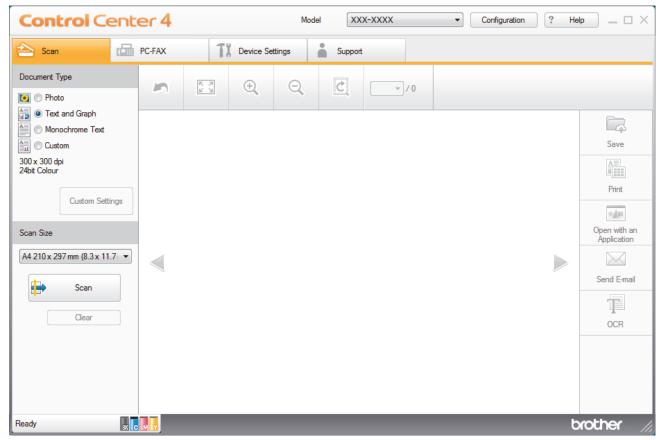
Select Home Mode as the mode setting for ControlCenter4.

1. Load documents in the ADF.



To scan both sides of a document automatically, you must use the ADF, not the flatbed scanner glass.

- 2. Click the <a>(ControlCenter4) icon in the task tray, and then click Open.
- 3. Click the Scan tab.



- 4. Under **Document Type**, select **Custom**, and then click the **Custom Settings** button.
 - The **Custom Scan Settings** dialog box appears.
- 5. Select the **2-sided Scanning** check box.
- 6. Select the Long-edge binding or Short-edge binding option, depending on the Original layout.
- 7. Configure other Custom Scan Settings, if needed.
- 8. Click OK.
- 9. Click (Scan).

The machine starts scanning, and the scanned image appears in the image viewer.

- 10. Click the left or right arrow buttons to preview each scanned page.
- 11. Do one of the following:
 - Click (Save) to save scanned data.
 - Click (Print) to print scanned data.

- Click (Open with an Application) to open scanned data in another application.
- Click (Send E-mail) to attach scanned data to an email.
- Click (OCR) to convert your scanned document to an editable text file.

Related Information

Scan Using ControlCenter4 Home Mode (Windows)

▲ Home > Scan > Scan from Your Computer (Windows) > Scan Using ControlCenter4 Home Mode (Windows) > Scan Settings for ControlCenter4 Home Mode (Windows)

Scan Settings for ControlCenter4 Home Mode (Windows)

Settings	Applicable Features				
	Open with an Application	OCR	Send E-mail	Save	
File Type	-	Yes	Yes	Yes	
Target Application	Yes	Yes	-	-	
OCR Language	-	Yes	-	-	
File Name	-	-	-	Yes	
Scan Location	-	-	-	Yes	
Show Folder	-	-	-	Yes	
File Size Priority	-	-	Yes	Yes	

File Type

Select the file type you want to use for the scanned data.

For Send E-mail and Save

- Windows Bitmap (*.bmp)
- JPEG (*.jpg) (recommended for most users when scanning pictures)
- TIFF Single-Page (*.tif)
- TIFF Multi-Page (*.tif)
- Portable Network Graphics (*.png)
- PDF Single-Page (*.pdf) (recommended for scanning and sharing documents)
- PDF Multi-Page (*.pdf) (recommended for scanning and sharing documents)
- PDF/A Single-Page (*.pdf) (recommended for scanning and sharing documents)
- PDF/A Multi-Page (*.pdf) (recommended for scanning and sharing documents)
- High Compression PDF Single-Page (*.pdf)
- High Compression PDF Multi-Page (*.pdf)
- Secure PDF Single-Page (*.pdf)
- Secure PDF Multi-Page (*.pdf)
- Searchable PDF Single-Page (*.pdf)
- Searchable PDF Multi-Page (*.pdf)
- XML Paper Specification (*.xps) (the XML Paper Specification is available for Windows 7, Windows 8 and Windows 10, and when using applications that support XML Paper Specification files)
- Microsoft Office Word (*.docx)
- Microsoft Office PowerPoint (*.pptx)
- Microsoft Office Excel (*.xlsx)

For OCR

- HTML 3.2 (*.htm)
- HTML 4.0 (*.htm)
- Microsoft Excel 2003, XP (*.xls)
- RTF Word 2000 (*.rtf)
- WordPad (*.rtf)
- WordPerfect 9, 10 (*.wpd)
- Text (*.txt)
- Searchable PDF Single-Page (*.pdf)
- Searchable PDF Multi-Page (*.pdf)

Target Application

Select the destination application from the drop-down list.

OCR Language

Set the optical character recognition (OCR) language to match the language of the scanned document's text.

File Name

Click Change to change the file name's prefix.

Scan Location

Select the **Folder** or **SharePoint** radio button to specify the destination where you want to save your scanned documents.

Show Folder

Select this option to automatically display the destination folder after scanning.

File Size Priority

Adjust the data compression ratio of the scanned image. Change the file size by moving the **File Size Priority** slider to the right or left.

Custom Settings

Select the Custom option, click the Custom Settings button, and then change settings.

Scan Size

Select the exact size of your document from the **Scan Size** drop-down menu.



Related Information

Scan Using ControlCenter4 Home Mode (Windows)

▲ Home > Scan > Scan from Your Computer (Windows) > Scan Using ControlCenter4 Advanced Mode (Windows)

Scan Using ControlCenter4 Advanced Mode (Windows)

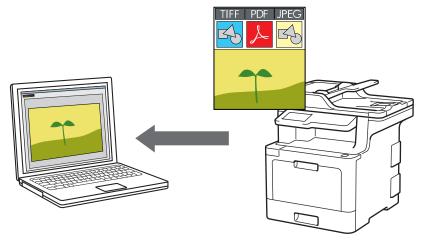
ControlCenter4 Advanced Mode gives you more control over the details of your machine's features and allows you to customise one-button scan actions.

- Scan Photos and Graphics Using ControlCenter4 Advanced Mode (Windows)
- Save Scanned Data to a Folder as a PDF File Using ControlCenter4 Advanced Mode (Windows)
- Scan Both Sides of a Document Automatically Using ControlCenter4 Advanced Mode (Windows)
- Scan Both Sides of an ID Card Using ControlCenter4 Advanced Mode (Windows)
- Scan to Email Attachment Using ControlCenter4 Advanced Mode (Windows)
- Scan to an Editable Text File (OCR) Using ControlCenter4 Advanced Mode (Windows)
- Scan Settings for ControlCenter4 Advanced Mode (Windows)

▲ Home > Scan > Scan from Your Computer (Windows) > Scan Using ControlCenter4 Advanced Mode (Windows) > Scan Photos and Graphics Using ControlCenter4 Advanced Mode (Windows)

Scan Photos and Graphics Using ControlCenter4 Advanced Mode (Windows)

Send scanned photos or graphics directly to your computer.



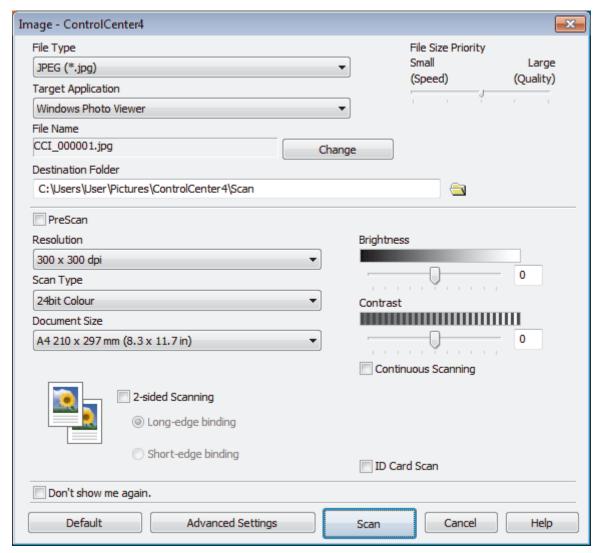
Select **Advanced Mode** as the mode setting for ControlCenter4.

- 1. Load your document.
- 2. Click the << (ControlCenter4) icon in the task tray, and then click Open.
- 3. Click the Scan tab.



4. Click the **Image** button.

The scan settings dialog box appears.



5. Change the scan settings, such as file format, file name, destination folder, resolution and colour, if needed.



- To change the file name, click **Change**.
- To change **Destination Folder**, click the folder icon.
- To preview and configure the scanned image, select the PreScan check box.
- 6. Click Scan.

The machine starts scanning. The image opens in the application you have selected.

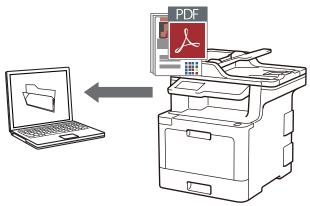
Related Information

Scan Using ControlCenter4 Advanced Mode (Windows)

▲ Home > Scan > Scan from Your Computer (Windows) > Scan Using ControlCenter4 Advanced Mode (Windows) > Save Scanned Data to a Folder as a PDF File Using ControlCenter4 Advanced Mode (Windows)

Save Scanned Data to a Folder as a PDF File Using ControlCenter4 Advanced Mode (Windows)

Scan documents and save them to a folder on your computer as PDF files.



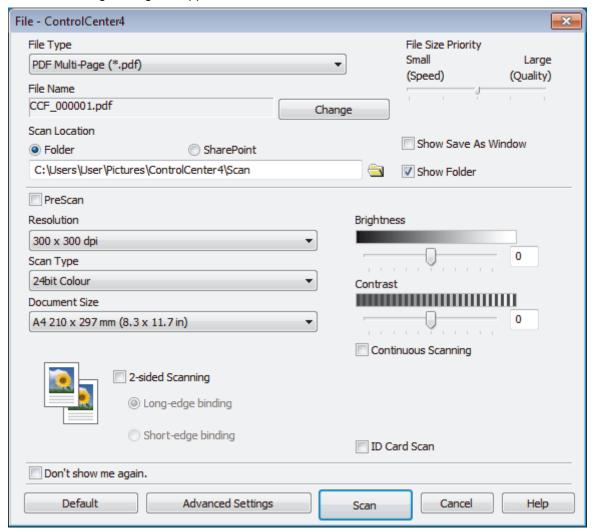
Select **Advanced Mode** as the mode setting for ControlCenter4.

- 1. Load your document.
- 2. Click the < (ControlCenter4) icon in the task tray, and then click Open.
- 3. Click the Scan tab.



4. Click the File button.

The scan settings dialog box appears.



5. Click the **File Type** drop-down list, and then select a PDF file.



To save the document as a password-protected PDF, select **Secure PDF Single-Page (*.pdf)** or **Secure PDF Multi-Page (*.pdf)** from the **File Type** drop-down list, click , and then type the password.

- 6. Click the folder icon to browse and select the folder where you want to save your scanned documents.
- 7. Change the scan settings, such as file format, file name, resolution and colour, if needed.



To preview and configure the scanned image, select the **PreScan** check box.

8. Click Scan.

The machine starts scanning. The file is saved in the folder you selected.

Related Information

Scan Using ControlCenter4 Advanced Mode (Windows)

▲ Home > Scan > Scan from Your Computer (Windows) > Scan Using ControlCenter4 Advanced Mode (Windows) > Scan Both Sides of a Document Automatically Using ControlCenter4 Advanced Mode (Windows)

Scan Both Sides of a Document Automatically Using ControlCenter4 Advanced Mode (Windows)

Select Advanced Mode as the mode setting for ControlCenter4.

1. Load documents in the ADF.



To scan both sides of a document automatically, you must use the ADF, not the flatbed scanner glass.

- Click the (ControlCenter4) icon in the task tray, and then click Open.
- Click the Scan tab.



- 4. Click the button for the setting you want to change (**Image**, **OCR**, **E-mail**, or **File**). The scan settings dialog box appears.
- 5. Select the 2-sided Scanning check box.
- 6. Select the Long-edge binding or Short-edge binding option, depending on the Original layout.
- 7. Change the scan settings, such as file format, file name, destination folder, resolution and colour, if needed.



- To change the file name, click **Change**.
- To change **Destination Folder**, click the folder icon.
- 8. Click Scan.

The machine starts scanning.

You have now changed the default settings for your selected Scan to action. These settings will be used the next time one of the scan options (**Image**, **OCR**, **E-mail**, or **File**) is selected for this action.



Related Information

Scan Using ControlCenter4 Advanced Mode (Windows)

▲ Home > Scan > Scan from Your Computer (Windows) > Scan Using ControlCenter4 Advanced Mode (Windows) > Scan Both Sides of an ID Card Using ControlCenter4 Advanced Mode (Windows)

Scan Both Sides of an ID Card Using ControlCenter4 Advanced Mode (Windows)

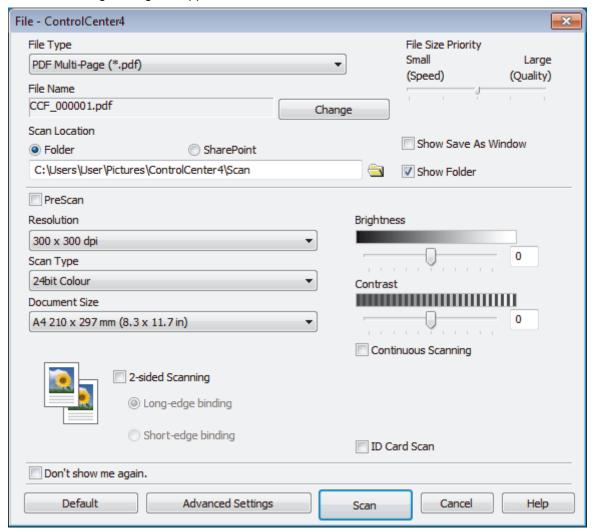
Select **Advanced Mode** as the mode setting for ControlCenter4.

- 1. Place an ID card on the scanner glass.
- 2. Click the < (ControlCenter4) icon in the task tray, and then click Open.
- 3. Click the Scan tab.



4. Click the File button.

The scan settings dialog box appears.



5. Select the ID Card Scan check box.

The instruction dialog box appears.

- 6. Read the instructions on the screen, and then click **OK**.
- 7. Change the scan settings, such as file format, file name, scan location, resolution and colour, if needed.
- 8. Click Scan.

The machine starts scanning one side of the identification card.

- 9. After the machine has scanned one side, turn over the identification card, and then click **Continue** to scan the other side.
- 10. Click Finish.

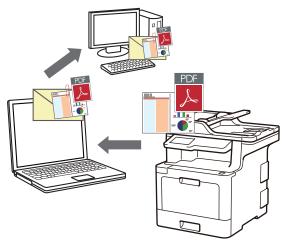


• Scan Using ControlCenter4 Advanced Mode (Windows)

▲ Home > Scan > Scan from Your Computer (Windows) > Scan Using ControlCenter4 Advanced Mode (Windows) > Scan to Email Attachment Using ControlCenter4 Advanced Mode (Windows)

Scan to Email Attachment Using ControlCenter4 Advanced Mode (Windows)

Send a scanned document as an email attachment.



- Select Advanced Mode as the mode setting for ControlCenter4.
- The Scan to Email feature does not support Webmail services. Use the Scan to Image or Scan to File feature to scan a document or a picture, and then attach the scanned file to an email message.



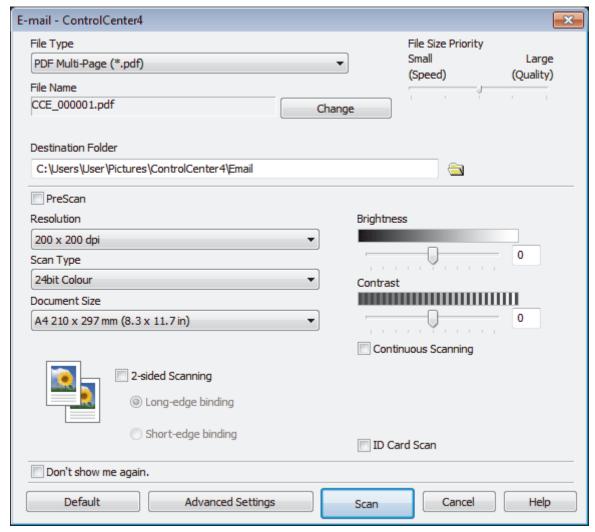
The machine scans to your default email client.

- 1. Load your document.
- 2. Click the (ControlCenter4) icon in the task tray, and then click Open.
- 3. Click the Scan tab.



4. Click the **E-mail** button.

The scan settings dialog box appears.



5. Change the scan settings, such as file format, file name, destination folder, resolution and colour, if needed.



- To change the file name, click Change.
- To change **Destination Folder**, click the folder icon.
- To preview and configure the scanned image, select the PreScan check box.
- 6. Click Scan.

The machine starts scanning. Your default email application opens and the scanned image is attached to a new, blank email message.

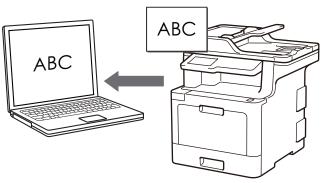


Scan Using ControlCenter4 Advanced Mode (Windows)

▲ Home > Scan > Scan from Your Computer (Windows) > Scan Using ControlCenter4 Advanced Mode (Windows) > Scan to an Editable Text File (OCR) Using ControlCenter4 Advanced Mode (Windows)

Scan to an Editable Text File (OCR) Using ControlCenter4 Advanced Mode (Windows)

Your machine can convert characters in a scanned document to text using optical character recognition (OCR) technology. You can edit this text using your preferred text-editing application.

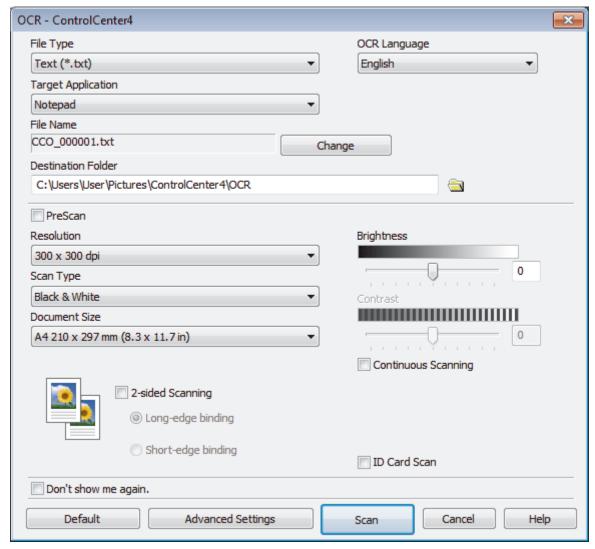


- Select **Advanced Mode** as the mode setting for ControlCenter4.
- 1. Load your document.
- 2. Click the (ControlCenter4) icon in the task tray, and then click Open.
- 3. Click the Scan tab.



4. Click the **OCR** button.

The scan settings dialog box appears.



5. Change the scan settings, such as file format, file name, destination folder, resolution and colour, if needed.



- To change the file name, click Change.
- To change **Destination Folder**, click the folder icon.
- To preview and configure the scanned image, select the PreScan check box.
- 6. Click Scan.

The machine scans the document, converts it to editable text, and then sends it to your default word processing application.

Related Information

• Scan Using ControlCenter4 Advanced Mode (Windows)

▲ Home > Scan > Scan from Your Computer (Windows) > Scan Using ControlCenter4 Advanced Mode (Windows) > Scan Settings for ControlCenter4 Advanced Mode (Windows)

Scan Settings for ControlCenter4 Advanced Mode (Windows)

Settings	Applicable Features			
	Image	OCR	E-mail	File
File Type	Yes	Yes	Yes	Yes
Target Application	Yes	Yes	-	-
OCR Language	-	Yes	-	-
File Name	Yes	Yes	Yes	Yes
Scan Location or Destination Folder	Yes	Yes	Yes	Yes
Show Folder	-	-	-	Yes
Show Save As Window	-	-	-	Yes
File Size Priority	Yes	-	Yes	Yes
PreScan	Yes	Yes	Yes	Yes
Resolution	Yes	Yes	Yes	Yes
Scan Type	Yes	Yes	Yes	Yes
Document Size	Yes	Yes	Yes	Yes
Brightness	Yes	Yes	Yes	Yes
Contrast	Yes	Yes	Yes	Yes
Continuous Scanning	Yes	Yes	Yes	Yes
2-sided Scanning	Yes	Yes	Yes	Yes
ID Card Scan	Yes	Yes	Yes	Yes
Advanced Settings	Yes	Yes	Yes	Yes
Default	Yes	Yes	Yes	Yes

File Type

Select the file type you want to use for the scanned data.

For Image, Email and File

- Windows Bitmap (*.bmp)
- **JPEG** (*.jpg) (recommended for most users when scanning pictures)
- TIFF Single-Page (*.tif)
- TIFF Multi-Page (*.tif)
- Portable Network Graphics (*.png)
- PDF Single-Page (*.pdf) (recommended for scanning and sharing documents)
- PDF Multi-Page (*.pdf) (recommended for scanning and sharing documents)
- PDF/A Single-Page (*.pdf) (recommended for scanning and sharing documents)
- PDF/A Multi-Page (*.pdf) (recommended for scanning and sharing documents)
- High Compression PDF Single-Page (*.pdf)
- High Compression PDF Multi-Page (*.pdf)
- Secure PDF Single-Page (*.pdf)
- Secure PDF Multi-Page (*.pdf)
- Searchable PDF Single-Page (*.pdf)
- Searchable PDF Multi-Page (*.pdf)

• XML Paper Specification (*.xps) (the XML Paper Specification is available for Windows 7, Windows 8 and Windows 10, and when using applications that support XML Paper Specification files)

For Email and File

- Microsoft Office Word (*.docx)
- Microsoft Office PowerPoint (*.pptx)
- Microsoft Office Excel (*.xlsx)

For OCR

- HTML 3.2 (*.htm)
- HTML 4.0 (*.htm)
- Microsoft Excel 2003, XP (*.xls)
- RTF Word 2000 (*.rtf)
- WordPad (*.rtf)
- WordPerfect 9, 10 (*.wpd)
- Text (*.txt)
- Searchable PDF Single-Page (*.pdf)
- Searchable PDF Multi-Page (*.pdf)

Target Application

Select the destination application from the drop-down list.

OCR Language

Set the OCR language to match the language of the scanned document's text.

File Name

Click **Change** to change the file name's prefix.

Scan Location

Select the **Folder** or **SharePoint** radio button to specify the destination where you want to save your scanned documents.

Destination Folder

Click the folder icon to browse and select the folder where you want to save your scanned documents.

Show Folder

Select this option to automatically display the destination folder after scanning.

Show Save As Window

Select this option to specify the scanned image's destination every time you scan.

File Size Priority

Adjust the data compression ratio of the scanned image. Change the file size by moving the **File Size Priority** slider to the right or left.

PreScan

Select PreScan to preview your image and crop unwanted portions before scanning.

Resolution

Select a scanning resolution from the **Resolution** drop-down list. Higher resolutions take more memory and transfer time, but produce a finer scanned image.

Scan Type

Select from a range of scan colour depths.

Auto

Use for any type of document. This mode automatically picks an appropriate colour depth for the document.

Black & White

Use for text or line art images.

Gray (Error Diffusion)

Use for photographic images or graphics. (Error Diffusion is a method for creating simulated grey images without using true grey dots. Black dots are put in a specific pattern to give a grey appearance.)

True Gray

Use for photographic images or graphics. This mode is more accurate because it uses up to 256 shades of grey.

24bit Color

Use to create an image with the most accurate colour reproduction. This mode uses up to 16.8 million colours to scan the image, but it requires the most memory and has the longest transfer time.

Document Size

Select the exact size of your document from the **Document Size** drop-down list.

If you select the 1 to 2 (A4) option, the scanned image will be divided into two A5-size documents.

Brightness

Set the **Brightness** level by dragging the slider to the right or left to lighten or darken the image. If the scanned image is too light, set a lower brightness level and scan the document again. If the image is too dark, set a higher brightness level and scan the document again. You can also type a value into the field to set the **Brightness** level.

Contrast

Increase or decrease the **Contrast** level by moving the slider to the right or left. An increase emphasises dark and light areas of the image, while a decrease reveals more details in grey areas. You can also type a value into the field to set the **Contrast** level.

Continuous Scanning

Select this option to scan multiple pages. After a page is scanned, select either continue scanning or finish.

2-sided Scanning

Select this check box to scan both sides of the document. When using the Automatic 2-sided Scan feature, you must select the **Long-edge binding** or **Short-edge binding** option, depending on the layout of your original, to make sure the data file you create appears correctly.

(MFC-L8900CDW)

ID Card Scan

Select this check box to scan both sides of an identification card onto one page.

Advanced Settings

Configure advanced settings by clicking the **Advanced Settings** button in the Scan Settings dialog box.

Remove Bleed-through / Pattern

Remove Background Color

Remove the base colour of documents to make the scanned data more legible.

Rotate Image

Rotate the scanned image.

Skip Blank Page

Remove the document's blank pages from the scanning results.

Display Scanning Results

Show the numbers of total pages saved and blank pages skipped on your computer screen.

ADF Auto Deskew

When scanning the document from the ADF, the machine corrects skewing of the document automatically.

Default

Select this option to restore all settings to their factory setting values.



Related Information

• Scan Using ControlCenter4 Advanced Mode (Windows)

Scan Using Nuance[™] PaperPort[™] 14SE or Other Windows Applications

You can use the Nuance[™] PaperPort[™] 14SE application for scanning.

- To download the Nuance[™] PaperPort[™] 14SE application, click (Brother Utilities), select **Do More** in the left navigation bar, and then click **PaperPort**.
- Nuance[™] PaperPort[™] 14SE supports Windows 7, Windows 8, Windows 8.1 and Windows 10.
- For detailed instructions on using each application, click the application's **Help** menu, and then click **Getting Started Guide** in the **Help** ribbon.



The instructions for scanning in these steps are for PaperPort[™] 14SE. For other Windows applications, the steps will be similar. PaperPort[™] 14SE supports both TWAIN and WIA drivers; the TWAIN driver (recommended) is used in these steps.

- 1. Load your document.
- Start PaperPort[™] 14SE.

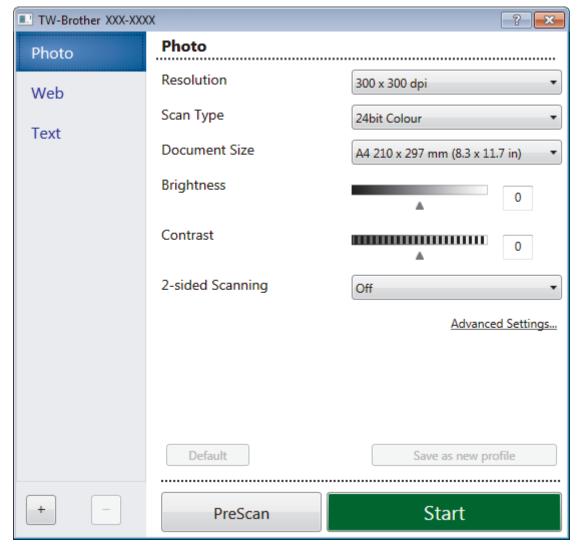
Do one of the following:

- Windows 7
 - Using your computer, click (Start) > All Programs > Nuance PaperPort 14 > PaperPort.
- Windows 8
 - Click [(PaperPort).
- Windows 10
 - Click Huance PaperPort 14 > PaperPort.
- 3. Click the **Desktop** menu, and then click **Scan Settings** in the **Desktop** ribbon.

The **Scan or Get Photo** panel appears on the left side of the screen.

- 4. From the available Scanners list, select **TWAIN: TW-Brother XXX-XXXX** or **TWAIN: TW-Brother XXX-XXXX LAN** (where MFC-XXXX is the model name of your machine). To use the WIA driver, select the Brother driver that has "WIA" as the prefix.
- 5. Select the Display scanner dialog box check box in the Scan or Get Photo panel.
- 6. Click Scan.

The Scanner Setup dialog box appears.



- 7. Adjust the settings in the Scanner Setup dialog box, if needed.
- 8. Click the **Document Size** drop-down list, and then select your document size.



To scan both sides of the document (MFC-L8900CDW):

Automatic 2-sided scan is available only when using the ADF.

You cannot use PreScan to preview an image.

- 9. Click **PreScan** if you want to preview your image and crop unwanted portions before scanning.
- 10. Click Start.

The machine starts scanning.

Related Information

- Scan from Your Computer (Windows)
- TWAIN Driver Settings (Windows)

TWAIN Driver Settings (Windows)





- Note that the item names and assignable values will vary depending on the machine.
- The Contrast option is available only when selecting the Gray (Error Diffusion), True Gray, or 24bit Color options from the Scan Type settings.

1. Scan

Select the Photo, Web, or Text option depending on the type of document you want to scan.

Scan (Image Type)		Resolution	Scan Type
Photo	Use for scanning photo images.	300 x 300 dpi	24bit Color
Web	Use for attaching the scanned image to web pages.	100 x 100 dpi	24bit Color
Text	Use for scanning text documents.	200 x 200 dpi	Black & White

2. Resolution

Select a scanning resolution from the **Resolution** drop-down list. Higher resolutions take more memory and transfer time, but produce a finer scanned image.

3. Scan Type

Select from a range of scan colour depths.

· Black & White

Use for text or line art images.

Gray (Error Diffusion)

Use for photographic images or graphics. (Error Diffusion is a method for creating simulated grey images without using true grey dots. Black dots are put in a specific pattern to give a grey appearance.)

True Gray

Use for photographic images or graphics. This mode is more accurate because it uses up to 256 shades of grey.

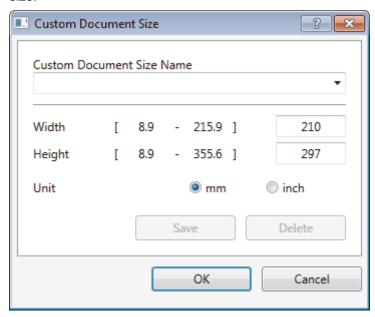
24bit Color

Use to create an image with the most accurate colour reproduction. This mode uses up to 16.8 million colours to scan the image, but it requires the most memory and has the longest transfer time.

4. Document Size

Select the exact size of your document from a selection of preset scan sizes.

If you select **Custom**, the **Custom Document Size** dialog box appears and you can specify the document size.



5. Brightness

Set the **Brightness** level by dragging the slider to the right or left to lighten or darken the image. If the scanned image is too light, set a lower brightness level and scan the document again. If the image is too dark, set a higher brightness level and scan the document again. You can also type a value in the field to set the brightness level.

6. Contrast

Increase or decrease the **Contrast** level by moving the slider to the right or left. An increase emphasises dark and light areas of the image, while a decrease reveals more details in grey areas. You can also type a value in the field to set the contrast level.

7. 2-sided Scanning

Scan both sides of the document. When using the Automatic 2-sided Scan feature, you must select the **Long-edge binding** or **Short-edge binding** option from the **2-sided Scanning** drop-down list, so when you turn the pages, they are facing the way you want.

(MFC-L8900CDW)

8. Advanced Settings

Configure advanced settings by clicking the Advanced Settings button in the Scan Settings dialog box.

Paper

- Auto Deskew

Set the machine to correct document skewing automatically as the pages are scanned from the ADF.

Rotate Image

Rotate the scanned image.

Enhancement

- Background Processing

· Remove Bleed-through / Pattern

Prevent bleed-through.

Remove Background Color

Remove the base colour of documents to make the scanned data more legible.

Colour Drop

Select a colour to remove from the scanned image.

Boldface Formatting

Emphasise the characters of the original by making them bold.

- Blurred Character Correction

Correct the broken or incomplete characters of the original to make them easier to read.

- Edge Emphasis

Make the characters of the original sharper.

- Reduce Noise

Improve and enhance the quality of your scanned images with this selection. The **Reduce Noise** option is available when selecting the **24bit Color** option and the **300 x 300 dpi**, **400 x 400 dpi**, or **600 x 600 dpi** scan resolution.

Paper Handling

- Edge Fill

Fill in the edges on four sides of the scanned image using the selected colour and range.

- Skip Blank Page

Remove the document's blank pages from the scanning results.

- Continuous scan

Select this option to scan multiple pages. After a page is scanned, select either continue scanning or finish.

Related Information

Scan Using Nuance[™] PaperPort[™] 14SE or Other Windows Applications

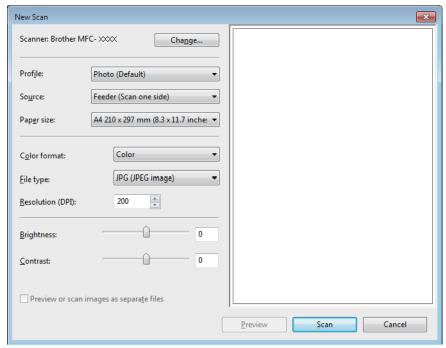
■ Home > Scan > Scan from Your Computer (Windows) > Scan Using Windows Photo Gallery or Windows Fax and Scan

Scan Using Windows Photo Gallery or Windows Fax and Scan

Windows Photo Gallery or Windows Fax and Scan applications are other options that you can use for scanning.

- · These applications use the WIA scanner driver.
- If you want to crop a portion of a page after pre-scanning the document, you must scan using the scanner glass (also called the flatbed).
- 1. Load your document.
- 2. Launch your scanning application. Do one of the following:
 - (Windows Photo Gallery)
 - Click File > Import from Camera or Scanner.
 - (Windows Fax and Scan)
 - Click File > New > Scan.
- 3. Select the scanner you want to use.
- 4. Click Import or OK.

The **New Scan** dialog box appears.



5. Adjust the settings in the Scanner Setup dialog box, if needed.

The scanner resolution can be set to a maximum of 1200 dpi. If you want to scan at higher resolutions, use the **Scanner Utility** software of **Brother Utilities**.

If your machine supports 2-sided Scan and you want to scan both sides of your document, select **Feeder** (**Scan both sides**) as **Source**.

6. Click Scan.

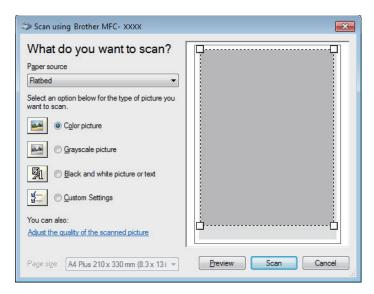
The machine starts scanning the document.

Related Information

- Scan from Your Computer (Windows)
- WIA Driver Settings (Windows)

▲ Home > Scan > Scan from Your Computer (Windows) > Scan Using Windows Photo Gallery or Windows Fax and Scan > WIA Driver Settings (Windows)

WIA Driver Settings (Windows)



Paper source

Select the **Document Feeder** or **Flatbed** option from the drop-down list.

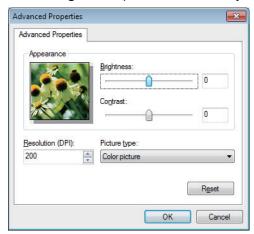
Picture Type (Image Type)

Select Color picture, Grayscale picture, Black and white picture or text, or Custom Settings for the type of document you want to scan.

To change advanced settings, click the **Adjust the quality of the scanned picture** link.

Page size

The Page size option is available if you select the Document Feeder as the Paper source option.



Brightness

Set the **Brightness** level by dragging the slider to the right or left to lighten or darken the image. If the scanned image is too light, set a lower brightness level and scan the document again. If the image is too dark, set a higher brightness level and scan the document again.

Contrast

Increase or decrease the **Contrast** level by moving the slider to the right or left. An increase emphasises dark and light areas of the image, while a decrease reveals more details in grey areas. You can also type a value in the field to set the contrast level.

Resolution (DPI)

Select a scanning resolution from the **Resolution (DPI)** list. Higher resolutions take more memory and transfer time, but produce a finer scanned image.



Related Information

Scan Using Windows Photo Gallery or Windows Fax and Scan

▲ Home > Scan > Scan from Your Computer (Mac)

Scan from Your Computer (Mac)

There are several ways you can use your Mac to scan photos and documents on your Brother machine. Use the software applications provided by Brother or your favourite scanning application.

- Scan Using ControlCenter2 (Mac)
- Scan Using TWAIN-Compliant Applications (Mac)
- TWAIN Driver Settings (Mac)

▲ Home > Scan > Scan from Your Computer (Mac) > Scan Using ControlCenter2 (Mac)

Scan Using ControlCenter2 (Mac)

Use Brother's ControlCenter software to scan photos and save them as JPEGs, PDFs, or other file formats.

- Scan Using ControlCenter2 (Mac)
- Save Scanned Data to a Folder as a PDF File Using ControlCenter2 (Mac)
- Scan Both Sides of a Document Automatically Using ControlCenter2 (Mac)
- Scan Both Sides of an ID Card Using ControlCenter2 (Mac)
- Scan to Email Attachment Using ControlCenter2 (Mac)
- Scan to an Editable Text File (OCR) Using ControlCenter2 (Mac)
- Scan Settings for ControlCenter2 (Mac)

▲ Home > Scan > Scan from Your Computer (Mac) > Scan Using ControlCenter2 (Mac) > Scan Using ControlCenter2 (Mac)

Scan Using ControlCenter2 (Mac)

Send scanned photos or graphics directly to your computer.

- 1. Load your document.
- In the Finder menu bar, click Go > Applications > Brother, and then double-click the (ControlCenter) icon.

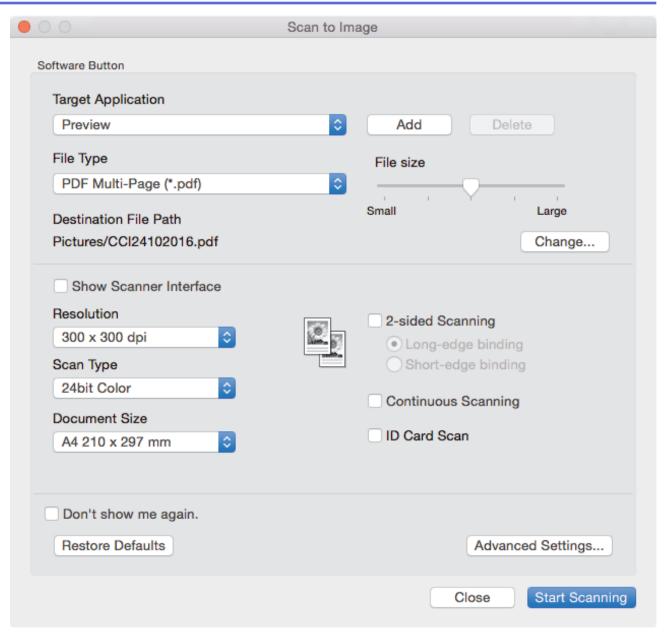
The ControlCenter2 screen appears.

3. Click the SCAN tab.

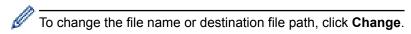


4. Click the Image button.

The scan settings dialog box appears.



5. Change the scan settings, such as file format, file name, destination file path, resolution and colour, if needed.



6. Click the **Start Scanning** button.

The machine starts scanning. The scanned image opens in the application you have selected.



Scan Using ControlCenter2 (Mac)

▲ Home > Scan > Scan from Your Computer (Mac) > Scan Using ControlCenter2 (Mac) > Save Scanned Data to a Folder as a PDF File Using ControlCenter2 (Mac)

Save Scanned Data to a Folder as a PDF File Using ControlCenter2 (Mac)

- 1. Load your document.
- 2. In the Finder menu bar, click Go > Applications > Brother, and then double-click the (ControlCenter) icon.

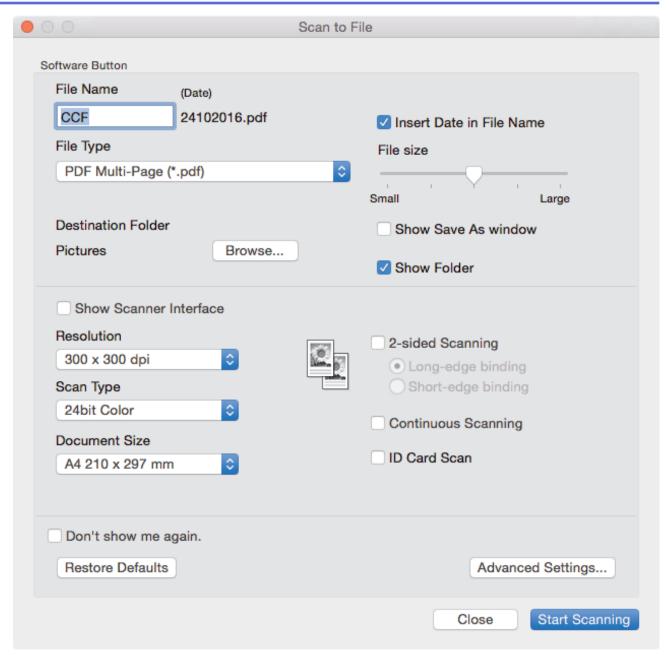
The ControlCenter2 screen appears.

3. Click the SCAN tab.



4. Click the File button.

The scan settings dialog box appears.



5. Click the **File Type** pop-up menu, and then select a PDF file.



To save the document as a password-protected PDF, select **Secure PDF** (*.pdf) from the **File Type** pop-up menu, type your password in the **Password** and **Re-type Password** fields, and then click **OK**.

- 6. Change the scan settings, such as file name, destination folder, resolution and colour, if needed.
- 7. Click the **Start Scanning** button.

The machine starts scanning. The file will be saved in the folder you selected.



Related Information

• Scan Using ControlCenter2 (Mac)

▲ Home > Scan > Scan from Your Computer (Mac) > Scan Using ControlCenter2 (Mac) > Scan Both Sides of a Document Automatically Using ControlCenter2 (Mac)

Scan Both Sides of a Document Automatically Using ControlCenter2 (Mac)

1. Load documents in the ADF.



To scan both sides of a document automatically, you must use the ADF, not the flatbed scanner glass.

2. In the Finder menu bar, click Go > Applications > Brother, and then double-click the (ControlCenter) icon.



The ControlCenter2 screen appears.

3. Click the SCAN tab.



- 4. Click the scan type button (Image, OCR, E-mail, or File) you want to use. The scan settings dialog box appears.
- 5. Select the **2-sided Scanning** check box.
- 6. Select the Long-edge binding or Short-edge binding option, depending on the Original layout.
- 7. Configure other settings, if needed.
- 8. Click the Start Scanning button.

The machine starts scanning.

You have now changed the default settings for your selected Scan to action. These settings will be used the next time this scan type (Image, OCR, E-mail, or File) is clicked for this action.



Related Information

Scan Using ControlCenter2 (Mac)

▲ Home > Scan > Scan from Your Computer (Mac) > Scan Using ControlCenter2 (Mac) > Scan Both Sides of an ID Card Using ControlCenter2 (Mac)

Scan Both Sides of an ID Card Using ControlCenter2 (Mac)

- 1. Place an ID card on the scanner glass.
- 2. In the Finder menu bar, click Go > Applications > Brother, and then double-click the (ControlCenter) icon.

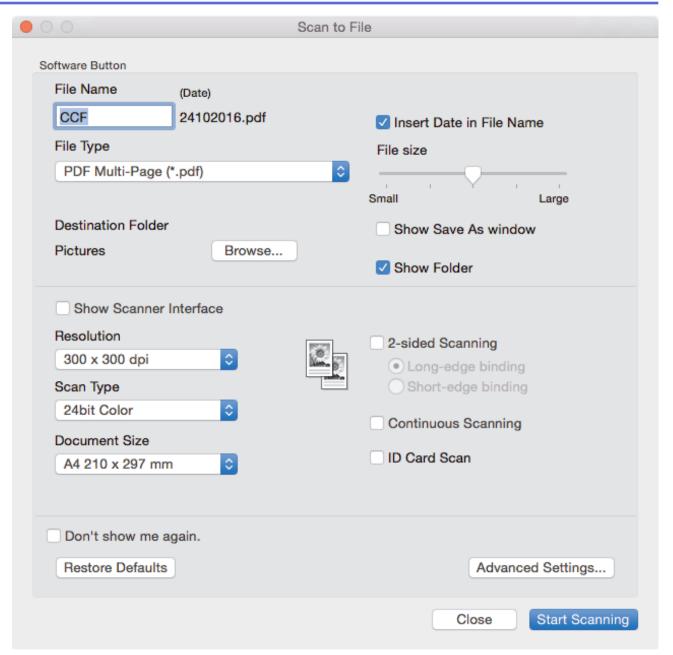
The ControlCenter2 screen appears.

3. Click the **SCAN** tab.



4. Click the File button.

The scan settings dialog box appears.



5. Select the ID Card Scan check box.

The instruction dialog box appears.

- 6. Read the instructions on the screen, and then click **OK**.
- 7. Configure other settings, if needed.
- 8. Click the Start Scanning button.

The machine starts scanning one side of the identification card.

- 9. After the machine has scanned one side, turn over the identification card, and then click **Continue** to scan the other side.
- 10. Click Finish.

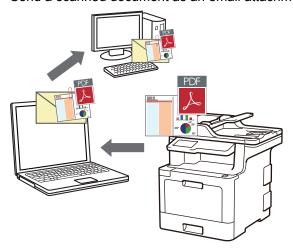


Scan Using ControlCenter2 (Mac)

▲ Home > Scan > Scan from Your Computer (Mac) > Scan Using ControlCenter2 (Mac) > Scan to Email Attachment Using ControlCenter2 (Mac)

Scan to Email Attachment Using ControlCenter2 (Mac)

Send a scanned document as an email attachment.



The Scan to Email feature does not support Webmail services. Use the Scan to Image or Scan to File feature to scan a document or a picture, and then attach the scanned file to an email message.

- 1. Load your document.
- 2. In the Finder menu bar, click Go > Applications > Brother, and then double-click the (ControlCenter) icon.

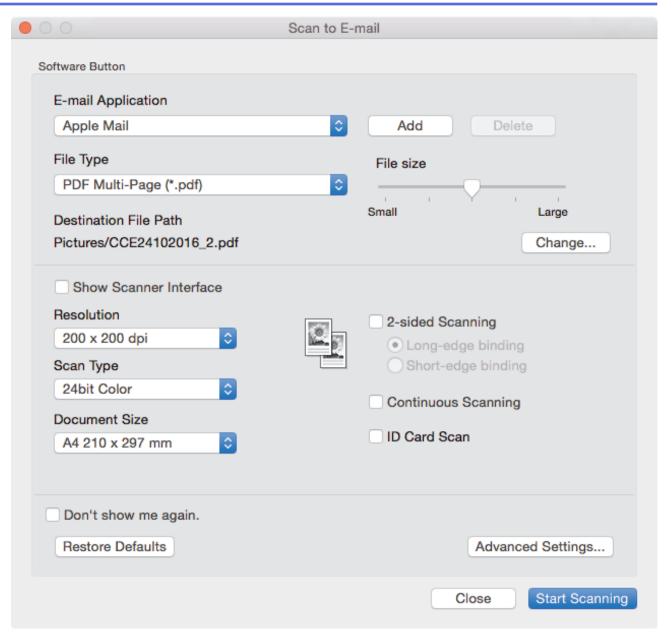
The ControlCenter2 screen appears.

3. Click the **SCAN** tab.



4. Click the **E-mail** button.

The scan settings dialog box appears.



5. Change the scan settings, such as file format, file name, destination file path, resolution and colour, if needed.



To change the file name or destination file path, click **Change**.

6. Click the **Start Scanning** button.

The machine starts scanning. Your default email application opens and the scanned image is attached to a new, blank email.



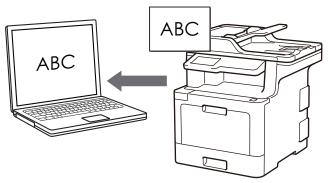
Related Information

Scan Using ControlCenter2 (Mac)

▲ Home > Scan > Scan from Your Computer (Mac) > Scan Using ControlCenter2 (Mac) > Scan to an Editable Text File (OCR) Using ControlCenter2 (Mac)

Scan to an Editable Text File (OCR) Using ControlCenter2 (Mac)

Your machine can convert characters in a scanned document to text using optical character recognition (OCR) technology. You can edit this text using your preferred text-editing application.





The Scan to OCR feature is available for certain languages.

- 1. Load your document.
- 2. In the Finder menu bar, click Go > Applications > Brother, and then double-click the (ControlCenter) icon.

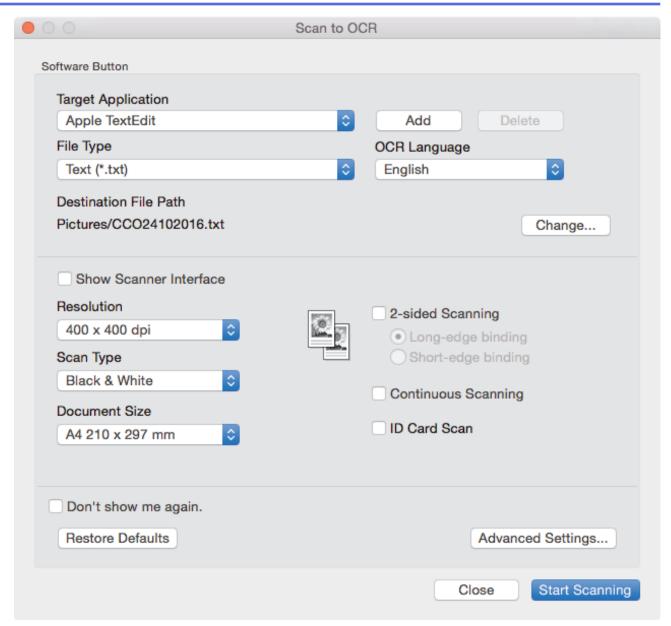
The ControlCenter2 screen appears.

3. Click the SCAN tab.



4. Click the OCR button.

The scan settings dialog box appears.



5. Change the scan settings, such as file format, file name, destination file path, resolution and colour, if needed.



To change the file name or destination file path, click Change.

6. Click the Start Scanning button.

The machine scans the document, converts it to editable text, and then sends it to your default word processing application.



Scan Using ControlCenter2 (Mac)

■ Home > Scan > Scan from Your Computer (Mac) > Scan Using ControlCenter2 (Mac) > Scan Settings for ControlCenter2 (Mac)

Scan Settings for ControlCenter2 (Mac)

Settings	Applicable Features			
	Image	OCR	E-mail	File
Target Application/E-mail Application	Yes	Yes	Yes	-
File Type	Yes	Yes	Yes	Yes
File size	Yes	-	Yes	Yes
OCR Language	-	Yes	-	-
Destination File Path	Yes	Yes	Yes	-
File Name	Yes	Yes	Yes	Yes
Insert Date in File Name	Yes	Yes	Yes	Yes
Show Save As window	-	-	-	Yes
Destination Folder	Yes	Yes	Yes	Yes
Show Folder	-	-	-	Yes
Resolution	Yes	Yes	Yes	Yes
Scan Type	Yes	Yes	Yes	Yes
Document Size	Yes	Yes	Yes	Yes
Continuous Scanning	Yes	Yes	Yes	Yes
2-sided Scanning	Yes	Yes	Yes	Yes
ID Card Scan	Yes	Yes	Yes	Yes
Show Scanner Interface	Yes	Yes	Yes	Yes
Advanced Settings	Yes	Yes	Yes	Yes
Restore Defaults	Yes	Yes	Yes	Yes

Target Application/E-mail Application

Select which application is used to open scanned data. Only applications installed on your computer can be selected.

Add

Add an application to the pop-up menu.

Type the application name in the **Application Name** field (up to 30 characters) and select your preferred application by clicking the **Browse** button. Select the **File Type** option from the pop-up menu.

Delete

Delete an application you have added to the pop-up menu.

Select the application from the **Application Name** pop-up menu, and then click **Delete**.

File Type

Select the file type you want to use for the scanned data.

File size

Change the file size by moving the File size slider to the right or left.

OCR Language

Set the OCR language to match the language of the scanned document's text.

Destination File Path

Click the Change button to change the prefix of the file name and the path of the destination folder.

File Name

Type a prefix for your file name, if needed.

Insert Date in File Name

Automatically insert the date in the file name of the scanned image.

Show Save As window

Select this option to specify the scanned image's destination every time you scan.

Destination Folder

Click Browse to select the folder where you would like to save your scanned document.

Show Folder

Select the Show Folder option to automatically display the destination folder after scanning.

Resolution

Select a scanning resolution from the **Resolution** pop-up menu. Higher resolutions take more memory and transfer time, but produce a finer scanned image.

Scan Type

Select from a range of scan colour depths.

Black & White

Use for text or line art images.

Gray (Error Diffusion)

Use for photographic images or graphics. (Error Diffusion is a method for creating simulated grey images without using true grey dots. Black dots are put in a specific pattern to give a grey appearance.)

True Gray

Use for photographic images or graphics. This mode is more accurate because it uses up to 256 shades of grey.

24bit Color

Use to create an image with the most accurate colour reproduction. This mode uses up to 16.8 million colours to scan the image, but it requires the most memory and has the longest transfer time.

Auto

Use for any type of document. This mode automatically picks an appropriate colour depth for the document.

Document Size

Select the exact size of your document from the **Document Size** pop-up menu.

If you select the 1 to 2 (A4) option, the scanned image will be divided into two A5-size documents.

Continuous Scanning

Select this option to scan multiple pages. After a page is scanned, select either continue scanning or finish.

2-sided Scanning

Select this check box to scan both sides of the document. When using the Automatic 2-sided Scan feature, you must select the **Long-edge binding** or **Short-edge binding** option, depending on the layout of your original, to make sure the created data file appears correctly.

(MFC-L8900CDW)

ID Card Scan

Select this check box to scan both sides of an identification card onto one page.

Show Scanner Interface

Select this check box to crop a portion of a scanned page after pre-scanning the document.

Advanced Settings

Configure advanced settings by clicking the Advanced Settings button in the Scan Settings dialog box.

Brightness

Set the **Brightness** level by dragging the slider to the right or left to lighten or darken the image. If the scanned image is too light, set a lower brightness level and scan the document again. If the image is too dark, set a higher brightness level and scan the document again.

Contrast

Increase or decrease the **Contrast** level by moving the slider to the right or left. An increase emphasise dark and light areas of the image, while a decrease reveals more details in grey areas.

Remove Background Color

Remove the base colour of documents to make the scanned data more recognisable. When you use this function, select from three settings: high, medium, and low.

(Available only for the Auto, True Gray and 24bit Color options)

Rotate Image

Rotate the scanned image.

ADF Auto Deskew

When scanning the document from the ADF, the machine corrects skewing of the document automatically.

Skip Blank Page

Remove blank pages of the document from the scanning results.

Display Scanning Results

Show the numbers of total pages saved and blank pages skipped on your computer screen.

Restore Defaults

Select this option to restore all settings to their factory setting values.



Related Information

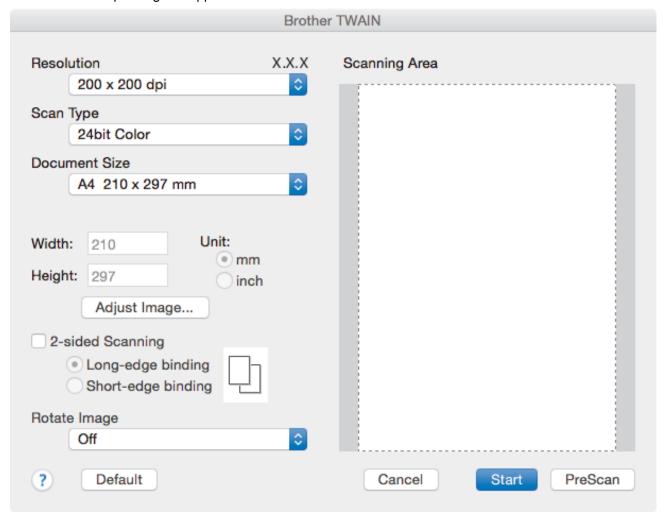
• Scan Using ControlCenter2 (Mac)

▲ Home > Scan > Scan from Your Computer (Mac) > Scan Using TWAIN-Compliant Applications (Mac)

Scan Using TWAIN-Compliant Applications (Mac)

You can also scan using TWAIN-compliant applications. For more information about the scanning procedure, see the manual for your application.

1. Start your graphics application, and then select the scan operation. The scanner setup dialog box appears.



- 2. Change the scan settings, such as Resolution, Scan Type, or Adjust Image, if needed.
- 3. Click the **Document Size** pop-up menu, and then select your document size.
- 4. Click the PreScan option to preview your image and crop unwanted portions before scanning.



- After you select a document size, adjust the scanning area by holding down the mouse button and dragging your mouse pointer over the portion you want to scan.
- To scan both sides of the document (MFC-L8900CDW):

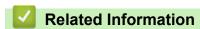
Automatic 2-sided scan is available only when using the ADF.

You cannot adjust the scanning area.

You cannot use PreScan to preview an image.

5. Click Start.

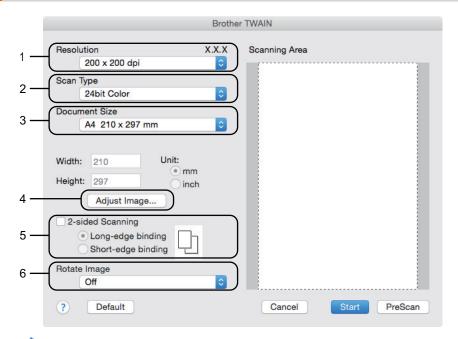
The machine starts scanning.



Scan from Your Computer (Mac)

▲ Home > Scan > Scan from Your Computer (Mac) > TWAIN Driver Settings (Mac)

TWAIN Driver Settings (Mac)





- Item names and assignable values will vary depending on the machine.
- The Contrast setting is available only when selecting Gray (Error Diffusion), True Gray, or 24bit Color from the Scan Type options.

1. Resolution

Select a scanning resolution from the **Resolution** pop-up menu. Higher resolutions take more memory and transfer time, but produce a finer scanned image.

2. Scan Type

Select from a range of scan colour depths.

· Black & White

Use for text or line art images.

Gray (Error Diffusion)

Use for photographic images or graphics. (Error Diffusion is a method for creating simulated grey images without using true grey dots. Black dots are put in a specific pattern to give a grey appearance.)

True Gray

Use for photographic images or graphics. This mode is more accurate because it uses up to 256 shades of grey.

24bit Color

Use to create an image with the most accurate colour reproduction. This mode uses up to 16.8 million colours to scan the image, but it requires the most memory and has the longest transfer time.

3. Document Size

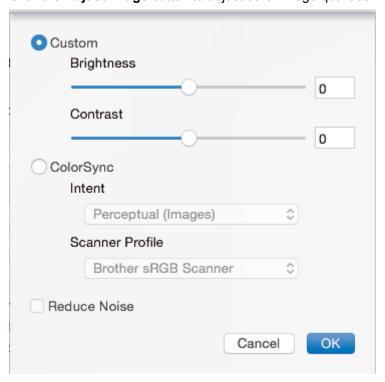
Select the exact size of your document from a selection of preset scan sizes.

• If you select **Custom**, you can specify the document size.



4. Adjust Image

Click the Adjust Image button to adjust other image qualities.



Brightness

Set the **Brightness** level by dragging the slider to the right or left to lighten or darken the image. If the scanned image is too light, set a lower brightness level and scan the document again. If the image is too dark, set a higher brightness level and scan the document again. You can also type a value in the box to set the brightness.

Contrast

Increase or decrease the **Contrast** level by moving the slider to the right or left. An increase emphasises dark and light areas of the image, while a decrease reveals more details in grey areas. You can also type a value in the box to set the contrast.

Reduce Noise

Improve and enhance the quality of your scanned images with this selection. The **Reduce Noise** option is available when selecting the **24bit Color** option and the **300 x 300 dpi**, **400 x 400 dpi**, or **600 x 600 dpi** scan resolutions.

5. 2-sided Scanning

If you select this check box, the machine scans both sides of the document. When using the Automatic 2-sided Scan feature, you must select the **Long-edge binding** or **Short-edge binding** option, depending on the layout of your original, to make sure the created data file appears correctly.

(MFC-L8900CDW)

6. Rotate Image

Rotate the scanned image.



Related Information

• Scan from Your Computer (Mac)

▲ Home > Scan > Configure Scan Settings Using Web Based Management

Configure Scan Settings Using Web Based Management

- Set the Scan File Name Using Web Based Management
- Set the Scan Job Email Report Using Web Based Management

▲ Home > Scan > Configure Scan Settings Using Web Based Management > Set the Scan File Name Using Web Based Management

Set the Scan File Name Using Web Based Management

Set up a file name for scanned data using Web Based Management.

1. Start your web browser.

Type "http://machine's IP address" in your browser's address bar (where "machine's IP address" is the IP address of the machine or the print server name). For example: http://192.168.1.2

No password is required by default. If you have previously set a password, type it, and then click \rightarrow .

- 2. Click the Scan tab.
- 3. Click the **Scan File Name** menu in the left navigation bar.
- 4. Select the File Name Style from the drop-down list.
- 5. If you selected the option to include the date in **File Name Style** field, select the **Date** format from the drop-down list.
- 6. In the **Time** fields, select **On** to include the time information in the file name.
- 7. In the Counter field, select Continuous or Reset after each job.



When you select **Reset after each job**, duplication of file names may occur.

8. If you want to create a user-defined file name prefix, type a file name in the user-defined fields of each scan function.



Using the following characters: ?, /, \, or * may cause a sending error.

9. Click Submit.

✓

Related Information

· Configure Scan Settings Using Web Based Management

▲ Home > Scan > Configure Scan Settings Using Web Based Management > Set the Scan Job Email Report Using Web Based Management

Set the Scan Job Email Report Using Web Based Management

When you scan a document, the machine will send a scan job email report automatically to the registered email address.

- 1. Start your web browser.
 - Type "http://machine's IP address" in your browser's address bar (where "machine's IP address" is the IP address of the machine or the print server name). For example: http://192.168.1.2
 - No password is required by default. If you have previously set a password, type it, and then click \rightarrow .
- 2. Click the Scan tab.
- 3. Click the Scan Job e-mail report menu in the left navigation bar.
- 4. In the Administrator Address field, type the email address.
- 5. For the scan functions you want, select **On** to send a scan job email report.
- 6. Click Submit.

Related Information

· Configure Scan Settings Using Web Based Management

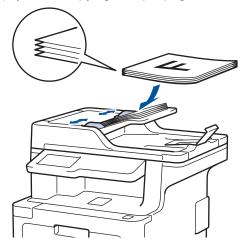
▲ Home > Copy

Copy

- · Copy a Document
- Enlarge or Reduce Copied Images
- Make N in 1 Copies Using the Page Layout Feature
- Sort Copies
- · Copy an ID Card
- Copy on Both Sides of the Paper (2-sided Copy)
- Copy Options

Copy a Document

- 1. Make sure you have loaded the correct size paper in the paper tray.
- 2. Do one of the following:
 - Place the document face up in the ADF.
 (If you are copying multiple pages, we recommend using the ADF.)

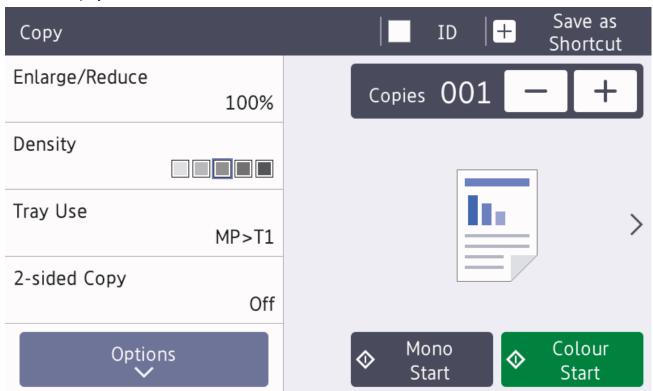


• Place the document face down on the scanner glass.



3. Press [Copy].

The LCD displays:



- 4. Change the copy settings, if needed.
 - 001 (Number of copies)

Enter the number of copies in one of the following ways:

- Press + or on the LCD.
- Press the numbers on the control panel.
- [Options]

Press Options to change the copy settings for the next copy only.

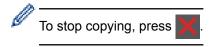
- When finished, press [OK]. (If the [OK] button is displayed.)
- After you have finished choosing new options, you can save them by pressing the [Save as Shortcut] button.
- [Quick Copy]

Press > to access the preset copy settings.

Current setting indications

Press the following icons or display area to change these settings for the next copy only.

- [Enlarge/Reduce]
- [Density]
- [Tray Use]
- [2-sided Copy]
- 5. Press [Colour Start] or [Mono Start].





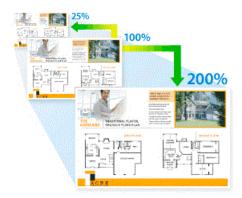
Related Information

• Copy

▲ Home > Copy > Enlarge or Reduce Copied Images

Enlarge or Reduce Copied Images

Select an enlargement or reduction ratio to resize your copied data.



- 1. Load your document.
- 2. Press [Copy].
- 3. Enter the number of copies.
- 4. Press [Options] > [Enlarge/Reduce].
- 5. Swipe up or down or press ▲ or ▼ to display the available options, and then press the option you want.
- 6. Do one of the following:
 - If you select [Enlarge] or [Reduce], press the enlargement or reduction ratio you want to use.
 - If you select [Custom(25-400%)], press (backspace) to erase the displayed percentage, or press 4 to move the cursor, and then enter an enlargement or reduction ratio from [25] to [400].

 Press [OK].
 - If you selected [100%], go to the next step.
- 7. When finished, press [OK]. (If the [OK] button is displayed.)
- 8. Press [Colour Start] or [Mono Start].

Related Information

Copy

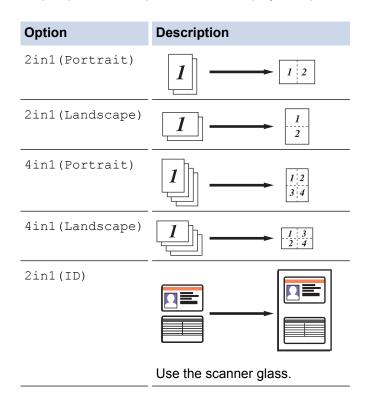
▲ Home > Copy > Make N in 1 Copies Using the Page Layout Feature

Make N in 1 Copies Using the Page Layout Feature

The N in 1 copy feature saves paper by copying two or four pages of your document onto one page of the copy.



- 1. Load your document.
- 2. Press [Copy].
- 3. Enter the number of copies.
- 4. Press [Options] > [Page Layout].
- 5. Swipe up or down or press ▲ or ▼ to display the options, and then press the option you want.



- 6. When finished, press [OK]. (If the [OK] button is displayed.)
- 7. Press [Colour Start] or [Mono Start].

If you placed the document in the ADF, the machine scans the pages and starts printing.

- 8. If you are using the scanner glass, repeat the following steps for each page of the document:
 - Place the next page on the scanner glass, and then press [Continue] to scan the page.
 - After scanning all the pages, press [Finish].



Related Information

• Copy

▲ Home > Copy > Sort Copies

Sort Copies

Sort multiple copies. Pages will be stacked in the order they are fed, that is: 1, 2, 3, and so on.

- 1. Load your document.
- 2. Press [Copy].
- 3. Enter the number of copies.
- 4. Press [Options] > [Stack/Sort] > [Sort].
- 5. When finished, press [OK]. (If the [OK] button is displayed.)
- 6. Press [Colour Start] or [Mono Start].

If you placed the document in the ADF, the machine scans the pages and starts printing.

- 7. If you are using the scanner glass, repeat the following steps for each page of the document:
 - Place the next page on the scanner glass, and then press [Continue] to scan the page.
 - After scanning all the pages, press [Finish].

Related Information

Copy

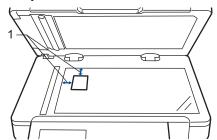
▲ Home > Copy > Copy an ID Card

Copy an ID Card

Use the [2 in 1 ID Copy] feature to copy both sides of an identification card onto one page, keeping the original card size.



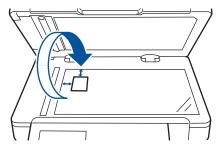
- You may copy an identification card only to the extent permitted under applicable laws. For more detailed information, see the *Product Safety Guide*.
- 1. Place your identification card face down near the upper left corner of the scanner glass.



- 1: Distance 4.0 mm or greater (top, left)
- 2. Press [Copy].
- 3. Press [Options] > [Page Layout] > [2in1(ID)].
- 4. When finished, press [OK]. (If the [OK] button is displayed.)
- 5. Enter the number of copies.
- 6. Press [Colour Start] or [Mono Start].

The machine scans one side of the identification card.

7. After the machine has scanned the first side, turn over the identification card.



8. Press [Continue] to scan the other side.



Related Information

Copy

▲ Home > Copy > Copy on Both Sides of the Paper (2-sided Copy)

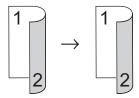
Copy on Both Sides of the Paper (2-sided Copy)

Reduce the amount of paper you use by copying onto both sides of the paper.

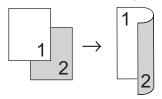
- You must choose a 2-sided copy layout from the following options before you can start 2-sided copying.
- The layout of your original document determines which 2-sided copy layout you should choose.
- · To use the automatic 2-sided copy feature, you must load your document in the ADF.
- When you manually make 2 sided copies from a 2-sided document, use the scanner glass.
- Select A4 sized paper when using the 2-sided copy option.

Portrait

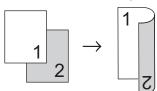
2-sided to 2-sided



1-sided to 2-sided (Long Edge Flip)

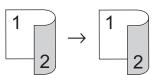


1-sided to 2-sided (Short Edge Flip)

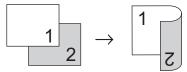


Landscape

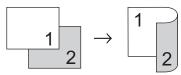
2-sided to 2-sided



1-sided to 2-sided (Long Edge Flip)



1-sided to 2-sided (Short Edge Flip)



1. Load your document.

NOTE

- For 2-sided scan models: Load your 2-sided document in the ADF. If you use the scanner glass for your 2-sided document, select the [1-sided⇒2-sided] option.
- · For 1-sided scan models: Load your 2-sided document to the scanner glass.
- 2. Press [Copy].
- 3. Enter the number of copies.
- 4. Press [Options] > [2-sided Copy].
- 5. Do one of the following:
 - To make 2-sided copies of a 2-sided document, press [2-sided⇒2-sided].
 - To make 2-sided copies from a 1-sided document, follow these steps:
 - a. To change the layout options, press [Layout], and then press [Long Edge Flip] or [Short Edge Flip].
 - b. Press [1-sided⇒2-sided].
- 6. When finished, press <code>[OK]</code>. (If the <code>[OK]</code> button is displayed.)
- 7. Press [Colour Start] or [Mono Start].
 If you placed the document in the ADF, the machine scans the pages and starts printing.
- 8. If you are using the scanner glass, repeat the following steps for each page of the document:



- For a 2-sided document, turn the sheet over along the long edge to scan the other side.
- Place the next page on the scanner glass, and then press [Continue] to scan the page.
- After scanning all the pages, press [Finish].

√ F

Related Information

• Copy

Copy Options

To change the Copy settings, press [Options].

Menu selections	Options			
Quality	Select the copy quality for your type of document.	Select the copy quality for your type of document.		
Enlarge/Reduce	100% -	-		
	Enlarge Select an enlargement ratio for next copy.	Select an enlargement ratio for the next copy.		
	Reduce Select a reduction ratio for the copy.	e next		
	Custom (25-400%) Enter an enlargement or reduratio.	uction		
Density	Increase the density to make the text darker. Decrease the density to make the text lighter.			
Contrast	Increase the contrast to make an image clearer. Decrease the contrast to make an image more subdued.			
Stack/Sort	Select to stack or sort multiple copies. Stack 2 Sort 1 2 2			
Page Layout	Make N in 1 or 2 in 1 ID copies. 4 in1			

Menu selections Options		
2-sided Copy	Select to copy on both sides of the paper.	
	1-sided \rightarrow 2-sided	
	$\begin{array}{c} 1$	
	2-sided → 2-sided	
	$\begin{bmatrix} 1 \\ 2 \end{bmatrix} \rightarrow \begin{bmatrix} 1 \\ 2 \end{bmatrix}$	
	The available options will vary depending on your model.	
2-sided Copy Page Layout	Select long edge binding or short edge binding.	
(available for certain settings)		
Colour Adjust	Change the default setting for colour saturation.	
Remove Background Colour	Select to remove the background colour of the document when copying.	
Tray Use	Select a paper tray for the next copy.	
Save as Shortcut	Add the current settings as a shortcut.	



Related Information

• Copy

▲ Home > Fax

Fax

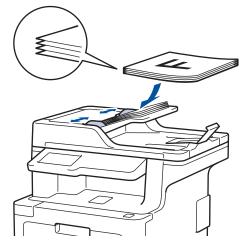
- Send a Fax
- Receive a Fax
- Voice Operations and Fax Numbers
- Telephone Services and External Devices
- Fax Reports
- PC-FAX

▲ Home > Fax > Send a Fax

- Send a Fax
- · Send a 2-sided Fax from the ADF
- Send a Fax Manually
- Send a Fax at the End of a Conversation
- Set the Fax Logic (Sending and Receiving Sequence)
- Send the Same Fax to More than One Recipient (Broadcasting)
- Send a Fax at a Specified Time (Delayed Fax)
- Cancel a Fax in Progress
- Check and Cancel a Pending Fax
- Fax Options

Send a Fax

- 1. Do one of the following:
 - Place the document face up in the ADF.
 (If you are faxing multiple pages, we recommend using the ADF.)

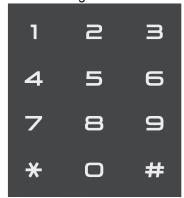


• Place the document face down on the scanner glass.



- 2. Press [Fax].
- 3. Enter the fax number.
 - Using the dial pad

Press the digits to enter the fax number.



Using the Address Book

Press [Address Book], and then do one of the following:

- Swipe up or down or press ▲ or ▼ to display the number you want, and then press it.
- Press Q [Search], and then enter the name and press [OK]. Press the name you want to dial.

When finished, press [Apply].

Using the call history

Press [Call History], and then press the [Outgoing Call] option.

Swipe up or down or press ▲ or ▼ to display the fax number you want, and then press it.

To send a fax, press [Apply].

4. Press [Fax Start].

The machine scans and sends the document.

If you placed the document on the scanner glass, follow the instructions in the table.

Option	Description		
Yes	To scan the next page, press the Yes option, and then place the next page on the scanner glass. Press OK to scan the page.		
No	After you have scanned the last page, press the ${\tt No}$ option. The machine sends the document.		

To stop faxing, press , and then press .



▲ Home > Fax > Send a Fax > Send a 2-sided Fax from the ADF

Send a 2-sided Fax from the ADF

You must select a 2-sided scanning format before sending a 2-sided fax. Select either Long Edge or Short Edge, depending on the layout of your document.

- 1. Load your document.
- 2. Press [Fax] > [Options] > [2-sided Fax].
- 3. Do one of the following:
 - If your document is flipped on the Long edge, press the [2-sided Scan: Long Edge] option.
 - If your document is flipped on the Short edge, press the [2-sided Scan: Short Edge] option.
- 4. Press [OK]. (If the [OK] button is displayed.)
- 5. Enter the fax number.
- 6. Press [Fax Start].

Related Information

▲ Home > Fax > Send a Fax > Send a Fax Manually

Send a Fax Manually

Manual fax transmission lets you hear the dialling, ringing and fax-receiving tones while sending a fax.

- 1. Load your document.
- 2. Press [Fax].
- 3. Press [Hook] and listen for a dial tone.
- 4. Dial the fax number you want to call.
- 5. When you hear the fax tone, press [Fax Start].
 - If you are using the scanner glass, press [Send].

Related Information

▲ Home > Fax > Send a Fax > Send a Fax at the End of a Conversation

Send a Fax at the End of a Conversation

At the end of a conversation, you can send a fax to the other party before you both hang up.

- 1. Ask the other party to wait for fax tones (beeps) and then to press the Start key before hanging up.
- 2. Load your document.
- 3. Press [Fax Start].
 - If you are using the scanner glass, press [Send].
- 4. Replace the handset of an external telephone.

Related Information

▲ Home > Fax > Send a Fax > Set the Fax Logic (Sending and Receiving Sequence)

Set the Fax Logic (Sending and Receiving Sequence)

You can change the process of manual fax send or receive.

If you often send or receive a fax manually to/from the other party at the end of a conversation, set the [Fax Mode] to [Easy Mode].

If you set to [Easy Mode]: You can send or receive a fax manually just simply press [Fax Start]. If you are a caller, press [Fax Start] to send a fax. If you are a receiver, press [Fax Start] to receive a fax.

If you set to [Advanced Mode]: No matter you are a caller or receiver, you can select you will send or receive a fax manually. When you press [Fax Start], the machine will ask you: [Send/Receive?]. If you want to send a fax, select [Send]. If you want to receive a fax, select [Receive].



Even if you set either [Easy Mode] or [Advanced Mode] and if there is a document in the ADF, the document in the ADF will be sent by pressing [Fax Start].

1. Press | [Settings] > [All Settings] > [Fax] > [Miscellaneous] > [Fax Mode].



If your machine displays the [All Settings] menu on the Home screen, skip the [Settings] menu.

- 2. Press [Easy Mode] or [Advanced Mode].
- 3. Press

Related Information

▲ Home > Fax > Send a Fax > Send the Same Fax to More than One Recipient (Broadcasting)

Send the Same Fax to More than One Recipient (Broadcasting)

Use the Broadcasting feature to send the same fax to multiple fax numbers at the same time.

- 1. Load your document.
- 2. Press [Fax] > [Options] > [Broadcasting].
- 3. Press [Add Number].

You can add numbers to the broadcast in the following ways:

Press [Add Number] and enter a number using the LCD. Press [OK].



If you want to broadcast using an email address, press [OK], enter the email address, and press [OK].

(On certain models, you must download Internet Fax to use the Internet Fax feature and the Scan to Email server feature.)

- Press [Add from Address book]. Swipe up or down or press ▲ or ▼ to display the number you want to add to the broadcast. Select the check boxes of the broadcast. After you select all the numbers you want, press [OK].
- Press [Search in Address book]. Press the name and press [OK]. Press the name, and then press the number you want to add.
- 4. When finished, press [OK].



If your machine displays X, press X



5. Press [Fax Start]. After the broadcast is finished, the machine will print a broadcast report to let you know the results.



- The machine's available memory will vary depending on the types of jobs in the memory and the numbers used for broadcasting. If you broadcast to the maximum number available, you will not be able to use dual access and delayed fax.
- If the [Out of Memory] message appears, press to stop the job. If more than one page has been scanned, press [Send Now] to send the portion that is in the machine's memory.

Related Information

- · Send a Fax
- Cancel a Broadcast in Progress

■ Home > Fax > Send a Fax > Send the Same Fax to More than One Recipient (Broadcasting) > Cancel a Broadcast in Progress

Cancel a Broadcast in Progress

While broadcasting you can cancel the fax currently being sent or the whole broadcast job.

- 1. Press
- 2. Press
- 3. Do one of the following:
 - To cancel the entire broadcast, press [Entire Broadcast].
 - To cancel the current job, press the name or number being dialled on the LCD.
 - To exit without cancelling, press

Related Information

• Send the Same Fax to More than One Recipient (Broadcasting)

▲ Home > Fax > Send a Fax > Send a Fax at a Specified Time (Delayed Fax)

Send a Fax at a Specified Time (Delayed Fax)

You can store up to 50 faxes in the machine's memory to be sent within the next twenty-four hour period.

- 1. Load your document.
- 2. Press [Fax] > [Options] > [Delayed Fax] > [Delayed Fax].
- 3. Press [On].
- 4. Press [Set Time].
- 5. Enter the time you want the fax to be sent (in 24-hour format), and then press [OK]. (For example, enter 19:45 for 7:45 PM.)
- 6. Press [OK].



If the <code>[OK]</code> button is not displayed after setting the time, press to return the fax sending screen.

- 7. Enter the fax number.
- 8. Press [Fax Start].
- 9. Press



· Send a Fax

▲ Home > Fax > Send a Fax > Cancel a Fax in Progress

Cancel a Fax in Progress

- 1. Press
- 2. Press while the machine is dialling or sending a fax.

The LCD will display [Cancel Job?].

3. Press an option in the table to cancel or continue the fax job in progress.

Option	Description
Yes	The machine cancels sending the fax job.
No	The machine exits from the process without cancelling the fax job.

Related Information

Send a Fax

▲ Home > Fax > Send a Fax > Check and Cancel a Pending Fax

Check and Cancel a Pending Fax

You can cancel a fax job before it is sent, by cancelling the fax job while it is stored and waiting in the memory.

1. Press [Settings] > [All Settings] > [Fax] > [Remaining Jobs].



If your machine displays the [All Settings] menu on the Home screen, skip the [Settings] menu.

- 2. Swipe up or down or press ▲ or ▼ to scroll through the waiting jobs, and then press the job you want to cancel.
- 3. Press [Cancel].
- 4. Press [Yes] to confirm or press [No] to exit without cancelling.
- 5. When finished cancelling jobs, press 🔒.

Related Information

Send a Fax

▲ Home > Fax > Send a Fax > Fax Options

Fax Options

To change fax-sending settings, press the [Options] button.

Option	Description
Fax Resolution	Set the resolution for outgoing faxes.
	The fax quality often can be improved by changing the Fax Resolution.
2-sided Fax	Set the 2-sided scanning format.
(MFC-L8900CDW)	
Contrast	Adjust the contrast.
	If your document is very light or very dark, changing the contrast may improve the fax quality.
Broadcasting	Send the same fax message to more than one fax number at the same time.
Delayed Fax	Set the time of day the delayed faxes will be sent.
Overseas Mode	Set to On if you have difficulty sending faxes overseas.
Glass Scan Size	Adjust the scan area of the scanner glass to the size of the document.
Set New Default	Save your settings as the default.
Factory Reset	Restore all settings back to the factory settings.



You can save the current settings by pressing [Save as Shortcut].

Related Information

Send a Fax

▲ Home > Fax > Receive a Fax

Receive a Fax

• Receive Mode Settings

▲ Home > Fax > Receive a Fax > Receive Mode Settings

Receive Mode Settings

- · Receive Modes Overview
- · Choose the Correct Receive Mode
- Use PC-Fax Receive to Transfer Received Faxes to Your Computer (Windows only)
- Set the Number of Rings Before the Machine Answers (Ring Delay)
- Set Fax Detect
- · Shrink Page Size of an Oversized Incoming Fax
- Set the 2-sided Printing for Received Faxes
- Set the Fax Receive Stamp
- Receive a Fax at the End of a Telephone Conversation

▲ Home > Fax > Receive a Fax > Receive Mode Settings > Receive Modes Overview

Receive Modes Overview

Mode	Function	Help
Fax Auto	Each call recognized as fax and send fax signal. However, you can answer the call within the number of rings.	Factory setting of Ring Delay is four. After ringing four times, the fax machine send fax-receiving signals automatically.
		If your machine is connecting an external answering phone device, and often use it to answer incoming calls, you could set the ring time through four to six times. Within the recommended ringing times, you can use the external answering phone device to answer and talk. ¹
Fax Manual	Machine doesn't recognize each call, only as a common phone call that you need to determine after answering the phone.	Answering the call, or if the caller wants to send you a fax, press Fax Start (under easy mode) to receive faxes.
		If your machine is connecting an external answering phone device, you can use the external answering phone device to answer and talk. ¹
PC Fax Receive	Machine automatically transfers received faxes to your computer running the PC-Fax software.	The machine will transfer the received fax data to the designated computer and the fax data will not remain in your machine in the PC-Fax mode.
		Select on or off for the backup print feature when you select PC Fax Receive.
		Machine will print received faxes if you turn on the backup print setting.

Related Information

• Receive Mode Settings

¹ If the caller wants to send a fax during a call or the caller sends you a fax call, press Fax Start button (under easy mode) or press *51 on the external answering phone device (you have to turn on the remote codes first.) to give fax receiving signals.

▲ Home > Fax > Receive a Fax > Receive Mode Settings > Choose the Correct Receive Mode

Choose the Correct Receive Mode

The factory setting of Receive Mode is "Fax Auto". Your machine will automatically receive any faxes that are sent to it. There are three receive modes of this machine as below.

LCD Display	Factory Setting Ring Delay
Fax Auto	Ring Delay: four times
Fax Manual	
PC Fax Receive	

1. Press [Settings] > [All Settings] > [Fax] > [Setup Receive] > [Receive Mode].



- If your machine displays the [All Settings] menu on the Home screen, skip the [Settings] menu.
- 2. Press [Fax Auto], [Fax Manual], or [PC Fax Receive].
- 3. Press

Related Information

Receive Mode Settings

■ Home > Fax > Receive a Fax > Receive Mode Settings > Use PC-Fax Receive to Transfer Received Faxes to Your Computer (Windows only)

Use PC-Fax Receive to Transfer Received Faxes to Your Computer (Windows only)

Turn on the PC-Fax Receive feature, automatically store incoming faxes to your machine's memory, and then send them to your computer. Use your computer to view and store these faxes.

To transfer the received faxes to your computer you must have the PC-FAX Receiving software running on your computer.

Even if you have turned off your computer (at night or on the weekend, for example), your machine will receive and store your faxes in its memory.

When you start your computer and the PC-FAX Receiving software runs, your machine transfers your faxes to your computer automatically.

If you selected [Backup Print: On], the machine will also print the fax.

1. Press [Settings] > [All Settings] > [Fax] > [Setup Receive] > [Receive Mode] > [PC Fax Receive].



If your machine displays the [All Settings] menu on the Home screen, skip the [Settings] menu.

2. Press [OK], and then following the LCD instruction.



- Before you can set up PC-Fax Receive, you must install the MFL-Pro Suite software on your computer. Make sure your computer is connected and turned on.
- PC-Fax Receive is not available for the Mac operating systems.
- If you get an error message and the machine cannot print the faxes in the memory, you can use this setting to transfer your faxes to your computer.
- 3. Press [<USB>] or the name of the computer you want to receive faxes if you are on a network, and then press [OK].
- 4. Press [Backup Print: On] or [Backup Print: Off].
- 5. Press



Related Information

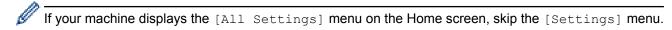
Receive Mode Settings

▲ Home > Fax > Receive a Fax > Receive Mode Settings > Set the Number of Rings Before the Machine Answers (Ring Delay)

Set the Number of Rings Before the Machine Answers (Ring Delay)

When somebody calls your machine, you will hear the normal telephone ring sound. The number of rings is set in the Ring Delay option.

- The Ring Delay setting sets the number of times the machine rings before it answers in the Fax Auto Mode.
- If you have external or extension telephones on the same line as the machine, choose the maximum number of rings.
- 1. Press | [Settings] > [All Settings] > [Fax] > [Setup Receive] > [Ring Delay].



2. Press the number of rings you want.



3. Press

Related Information

· Receive Mode Settings

▲ Home > Fax > Receive a Fax > Receive Mode Settings > Set Fax Detect

Set Fax Detect

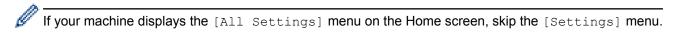
If Fax Detect is On: The machine receives a fax call automatically, even if you answer the call. When you see <code>[Receiving]</code> on the LCD or when you hear "chirps" through the handset you are using, just replace the handset. Your machine will do the rest.

If Fax Detect is Off: If you are at the machine and answer a fax call by lifting the handset, press the buttons in the following table to receive the fax. If you answered at an extension or external telephone, press *51.

Applicable Models	To receive the fax
MFC-L8900CDW	Fax Start and then Receive



- If this feature is set to <code>[On]</code>, but your machine does not connect a fax call when you lift an extension or external telephone handset, press the remote activation code *51.
- If you send faxes from a computer on the same telephone line and the machine intercepts them, set Fax Detect to [Off].
- 1. Press [Settings] > [All Settings] > [Fax] > [Setup Receive] > [Fax Detect].



- 2. Press [On] or [Off].
- 3. Press

Related Information

Receive Mode Settings

▲ Home > Fax > Receive a Fax > Receive Mode Settings > Shrink Page Size of an Oversized Incoming Fax

Shrink Page Size of an Oversized Incoming Fax

If you enable the auto reduction function, the machine reduces each page of an incoming fax to fit on your paper. The machine calculates the reduction ratio by using the page size of the fax and your Paper Size setting.

1. Press [Settings] > [All Settings] > [Fax] > [Setup Receive] > [Auto Reduction].



- 2. Press [On] or [Off].
- 3. Press

Related Information

Receive Mode Settings

▲ Home > Fax > Receive a Fax > Receive Mode Settings > Set the 2-sided Printing for Received Faxes

Set the 2-sided Printing for Received Faxes

Your machine prints received faxes on both sides of the paper when [2-sided] is set to [On].

- Use A4 size paper (60 to 105 g/m²) for this function.
- When 2-sided printing is enabled, incoming faxes are automatically reduced to fit the paper in the paper tray.
- 1. Press [Settings] > [All Settings] > [Fax] > [Setup Receive] > [2-sided].
- If your machine displays the [All Settings] menu on the Home screen, skip the [Settings] menu.
- 2. Press [On] or [Off].
- 3. Press

Related Information

· Receive Mode Settings

▲ Home > Fax > Receive a Fax > Receive Mode Settings > Set the Fax Receive Stamp

Set the Fax Receive Stamp

You can set the machine to print the received date and time at the top centre of each received fax page.

- Make sure you have set the current date and time on the machine.
- The received time and date will not appear when using Internet Fax.
- 1. Press [Settings] > [All Settings] > [Fax] > [Setup Receive] > [Fax Rx Stamp].
- If your machine displays the [All Settings] menu on the Home screen, skip the [Settings] menu.
- 2. Press [On] or [Off].
- 3. Press

Related Information

• Receive Mode Settings

▲ Home > Fax > Receive a Fax > Receive Mode Settings > Receive a Fax at the End of a Telephone Conversation

Receive a Fax at the End of a Telephone Conversation

If you are speaking on the telephone connected to your Brother machine and the other party is also speaking on a telephone connected to his fax machine, at the end of the conversation, the other party can send you a fax before you both hang up.

Your machine's ADF must be empty.

- 1. Ask the other party to place the document in their machine and to press the Start or Send key.
- 2. When you hear the CNG tones (slowly repeating beeps), press [Fax Start].



If the machine is in Automatic Redial, wait until it is finished and try again.

- 3. When you set the [Fax Mode] option to [Advanced Mode], Press [Receive] to receive a fax.
- 4. Replace the external handset.



Related Information

· Receive Mode Settings

▲ Home > Fax > Voice Operations and Fax Numbers

Voice Operations and Fax Numbers

- Voice Operations
- Store Fax Numbers
- · Set up Groups for Broadcasting
- Combine Address Book Numbers

▲ Home > Fax > Voice Operations and Fax Numbers > Voice Operations

Voice Operations

• Send Tone Signals

▲ Home > Fax > Voice Operations and Fax Numbers > Voice Operations > Send Tone Signals

Send Tone Signals

If you have a Pulse dialling service, but must send Tone signals (for example, for telephone banking), follow these steps. If you have a Touch Tone service, you will not need this feature to send tone signals.

- 1. Press [Fax].
- 2. Press [Hook].
- Press # on the machine's LCD.Any digits dialled after this will send tone signals.

When you are finished with the call, the machine will return to the Pulse dialling service.

Related Information

Voice Operations

▲ Home > Fax > Voice Operations and Fax Numbers > Store Fax Numbers

Store Fax Numbers

- Store Address Book Numbers
- Change or Delete Address Book Names or Numbers

▲ Home > Fax > Voice Operations and Fax Numbers > Store Fax Numbers > Store Address Book Numbers

Store Address Book Numbers

- 1. Press [Fax] > [Address Book].
- 2. Do the following steps:
 - a. Press [Edit].
 - b. Press [Add New Address].
 - c. Press [Name].
 - d. Enter the name using the LCD (up to 16 characters), and then press [OK].
 - e. Press [pinyin].
 - f. Enter the pinyin using the LCD (up to 16 characters), and then press [OK].
 - g. Press [Address].
 - h. Enter the fax or telephone number using the LCD (up to 20 digits), and then press [OK].



- To store an email address to use with Internet Fax or Scan to Email server, press and enter the email address and press [OK].
- i. Press [OK].

To store another Address Book number, repeat these steps.

3. Press

Related Information

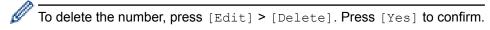
- Store Fax Numbers
- Store Address Book Numbers from Outgoing Calls

▲ Home > Fax > Voice Operations and Fax Numbers > Store Fax Numbers > Store Address Book Numbers > Store Address Book Numbers from Outgoing Calls

Store Address Book Numbers from Outgoing Calls

You can store Address Book numbers from the Outgoing Call history.

- 1. Press [Fax] > [Call History] > [Outgoing Call].
- 2. Swipe up or down or press ▲ or ▼ to display the number you want, and then press it.
- 3. Press [Edit] > [Add to Address Book] > [Name].



- 4. Enter the name using the LCD (up to 16 characters).
- 5. Press [OK].
- 6. Press [OK] to confirm the fax or telephone number you want to store.
- 7. Press

Related Information

· Store Address Book Numbers

▲ Home > Fax > Voice Operations and Fax Numbers > Store Fax Numbers > Change or Delete Address Book Names or Numbers

Change or Delete Address Book Names or Numbers

- 1. Press [Fax] > [Address Book] > [Edit].
- 2. Do one of the following:
 - Press [Change] to edit the names or fax or telephone numbers.

Swipe up or down or press ▲ or ▼ to display the number you want to change, and then press it.

- To change the name, press [Name]. Enter the new name (up to 16 characters) using the LCD, and then press [OK].
- To change the fax or telephone number, press [Address]. Enter the new fax or telephone number (up to 20 digits) using the LCD, and then press [OK].

Press [OK] to finish.

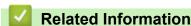


How to enter text:

To change a character, press ◀ or ▶ to position the cursor to highlight the incorrect character, and then press ☒☒.

Enter the new character.

- To delete numbers, press [Delete].
 - Select the fax or telephone numbers you want to delete by pressing them to display a red check mark, and then press <code>[OK]</code>.
- 3. Press



· Store Fax Numbers

▲ Home > Fax > Voice Operations and Fax Numbers > Set up Groups for Broadcasting

Set up Groups for Broadcasting

A Group, which can be stored in the Address Book (One Touch Dial or Speed Dial in some models) allows you to send the same fax message to many fax numbers.

First, you must store each fax number in the Address Book. Then you can include them as numbers in the Group. Each Group uses up an Address Book (a One Touch Dial, or a Speed Dial in some models) number.

Applicable Models	Maximum number of Group	Maximum numbers in a large Group
MFC-L8900CDW	20 groups	299 numbers

- 1. Press [Fax] > [Address Book].
- 2. Do the following steps:
 - a. Press [Edit] > [Setup Groups] > [Name].
 - b. Enter the Group name (up to 16 characters) using the LCD, and then press [OK].
 - c. Press [Add/Delete].
 - d. Add Address Book numbers to the Group by pressing them to display a red checkmark, and then press <code>[OK]</code>.
 - e. Read and confirm the displayed list of names and numbers you have chosen, and then press <code>[OK]</code> to save your Group.

To store another Group for broadcasting, repeat these steps.

3. Press

Related Information

- · Voice Operations and Fax Numbers
- Change a Broadcasting Group Name
- Delete a Broadcasting Group
- Add or Delete a Broadcasting Group Member

▲ Home > Fax > Voice Operations and Fax Numbers > Set up Groups for Broadcasting > Change a Broadcasting Group Name

Change a Broadcasting Group Name

- 1. Press [Fax] > [Address Book] > [Edit] > [Change].
- 2. Swipe up or down or press ▲ or ▼ to display the Group you want, and then press the Group name.
- 3. Press [Name].
- 4. Enter the new Group name (up to 16 characters) using the LCD, and then press [OK].



How to change the stored name:

To change a character, press ◀ or ▶ to position the cursor to highlight the incorrect character, and then press ☒☒.

Enter the new character.

- 5. Press [OK].
- 6. Press

Related Information

· Set up Groups for Broadcasting

▲ Home > Fax > Voice Operations and Fax Numbers > Set up Groups for Broadcasting > Delete a Broadcasting Group

Delete a Broadcasting Group

- 1. Press [Fax] > [Address Book] > [Edit] > [Delete].
- 2. Swipe up or down or press ▲ or ▼ to display the Group you want, and then press the Group name.
- 3. Press [OK].
- 4. Press

Related Information

· Set up Groups for Broadcasting

■ Home > Fax > Voice Operations and Fax Numbers > Set up Groups for Broadcasting > Add or Delete a Broadcasting Group Member

Add or Delete a Broadcasting Group Member

- 1. Press [Fax] > [Address Book] > [Edit] > [Change].
- 2. Swipe up or down or press ▲ or ▼ to display the Group you want, and then press the Group name.
- 3. Swipe up or down or press ▲ or ▼ to display the [Add/Delete] option, and then press [Add/Delete].
- 4. Swipe up or down or press ▲ or ▼ to display the number you want to add or delete.
- 5. Do the following for each number you want to change:
 - To add a number to the Group, press the check box of the number to add a check mark.
 - To delete a number from the Group, press the check box of the number to remove the check mark.
- 6. Press [OK].
- 7. Press [OK].
- 8. Press

Related Information

· Set up Groups for Broadcasting

▲ Home > Fax > Voice Operations and Fax Numbers > Combine Address Book Numbers

Combine Address Book Numbers

Sometimes you may want to choose from several long-distance carriers when you send a fax. Rates may vary depending on the time and destination.

You can store these long dialling sequences by dividing them and setting them up as separate Address Book numbers in any combination. You can even include manual dialling using the dial pad.

For example: You might have stored '01632' and '960555' in your machine as shown in the following table.

Applicable Models	'01632' stored in	'960555' stored in
MFC-L8900CDW	Address Book: Brother 1	Address Book: Brother 2

You can use them both to dial '01632-960555' by using the following procedure.

- 1. Press [Fax] > [Address Book].
- 2. Swipe up or down or press ▲ or ▼ to display the number of Brother 1.
- 3. Press the number.
- 4. Press [Apply].
- 5. Press [Address Book].
- 6. Press [OK].
- 7. Swipe up or down or press ▲ or ▼ to display the number of Brother 2.
- 8. Press the number.
- 9. Press [Apply].
- 10. Press [Fax Start].

The machine will dial '01632-960555'.

To temporarily change a number, you can substitute part of the number by pressing it using the LCD. For example, to change the number to '01632-960556', you could enter the number (Brother 1: 01632) using Address Book, press [Apply], and then press 960556 using the LCD.



If you must wait for another dial tone or signal at any point in the dialling sequence, create a pause in the number by pressing [Pause].

Related Information

· Voice Operations and Fax Numbers

▲ Home > Fax > Telephone Services and External Devices

Telephone Services and External Devices

- External and Extension Telephones
- Multi-line Connections (PABX)

▲ Home > Fax > Telephone Services and External Devices > External and Extension Telephones

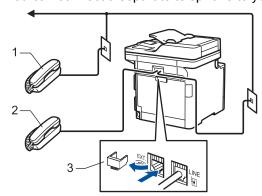
External and Extension Telephones

- Connect an External or Extension Telephone
- Operation from External and Extension Telephones
- Use the Remote Codes

▲ Home > Fax > Telephone Services and External Devices > External and Extension Telephones > Connect an External or Extension Telephone

Connect an External or Extension Telephone

You can connect a separate telephone to your machine as shown in the diagram below.



- 1 Extension telephone
- 2 External telephone
- 3 Protective Cap

\checkmark

Related Information

External and Extension Telephones

▲ Home > Fax > Telephone Services and External Devices > External and Extension Telephones > Operation from External and Extension Telephones

Operation from External and Extension Telephones

If you answer a fax call at an extension or an external telephone, you can make your machine take the call by using the Remote Activation Code. When you press the Remote Activation Code *51, the machine starts to receive the fax.

If the machine answers a voice call and pseudo/double-rings for you to take over, you can take the call at an extension telephone by pressing the Remote Deactivation Code **#51**.

If you answer a call and no one is on the line:

You should assume that you're receiving a manual fax.

Press *51 and wait for the chirp or until the LCD displays [Receiving], and then hang up.



You can also use the Fax Detect feature to make your machine automatically take the call.



Related Information

External and Extension Telephones

▲ Home > Fax > Telephone Services and External Devices > External and Extension Telephones > Use the Remote Codes

Use the Remote Codes

Remote Activation Code

If you answer a fax call on an extension or external telephone, you can tell your machine to receive it by pressing the Remote Activation Code *51. Wait for the chirping sounds, and then replace the handset.

If you answer a fax call at the external telephone, you can make the machine receive the fax by pressing the buttons in the following table: (When you set the [Fax Mode] option to [Advanced Mode].)

Applicable Models	To make the machine receive the fax
MFC-L8900CDW	Fax Start and then Receive

✓

Related Information

- · External and Extension Telephones
- · Change the Remote Codes

▲ Home > Fax > Telephone Services and External Devices > External and Extension Telephones > Use the Remote Codes > Change the Remote Codes

Change the Remote Codes

The preset Remote Activation Code is *51. The preset Remote Deactivation Code is #51. If you are always disconnected when accessing your external answering phone device remotely, try changing the three-digit remote codes using the numbers 0-9, *, #.

1. Press [Settings] > [All Settings] > [Fax] > [Setup Receive] > [Remote Codes].



If your machine displays the [All Settings] menu on the Home screen, skip the [Settings] menu.

- 2. Do one of the following:
 - To change the Remote Activation Code, press [Act.Code]. Enter the new code, and then press [OK].
 - To change the Remote Deactivation Code, press [Deact.Code]. Enter the new code, and then press [OK].
 - If you do not want to change the Codes, go to the next step.
 - To turn off (or turn on) the Remote Codes, press [Remote Codes], and then press [Off] (or [On]).
- 3. Press

Related Information

· Use the Remote Codes

▲ Home > Fax > Telephone Services and External Devices > Multi-line Connections (PABX)

Multi-line Connections (PABX)

Most offices use a central telephone system.

Brother recommends that all our machines be connected to a discreet (dedicated) line. Although a particular PABX may appear to work with a particular model of fax machine, we cannot guarantee that the unit will operate correctly.

While it is often relatively simple to connect a fax machine to a PABX, (Private Automatic Branch Exchange), we suggest that you contact the company that installed your telephone system and ask them to connect the fax machine for you.

Brother does not recommend the use of a PABX line. PABX limitations in general can cause some functions of the fax machine not to work correctly.



Related Information

• Telephone Services and External Devices

▲ Home > Fax > Fax Reports

Fax Reports

The Transmission Verification Report and the Fax Journal are available to confirm the results of fax transmission.

Print a Fax Journal

▲ Home > Fax > Fax Reports > Print a Fax Journal

Print a Fax Journal

You can set the machine to print a journal at specific intervals.

- 1. Press [Settings] > [All Settings] > [Fax] > [Report Setting] > [Journal Period] > [Journal Period].
- 2. Press [Every 50 Faxes] or [Off].



[Every 50 Faxes]: The machine will print the Journal when the machine has stored 50 reception and transmission log data.

3. Press



Related Information

Fax Reports

▲ Home > Fax > PC-FAX

PC-FAX

- PC-FAX for Windows
- PC-FAX for Mac(Sending only)

▲ Home > Fax > PC-FAX > PC-FAX for Windows

PC-FAX for Windows

- PC-FAX Overview (Windows)
- Send a Fax Using PC-FAX (Windows)
- Receive Faxes on Your Computer (Windows)

▲ Home > Fax > PC-FAX > PC-FAX for Windows > PC-FAX Overview (Windows)

PC-FAX Overview (Windows)

Reduce paper consumption and save time by using Brother's PC-FAX software to send faxes directly from your machine.



- Configure PC-FAX (Windows)
- Configure your PC-Fax Address Book (Windows)

■ Home > Fax > PC-FAX > PC-FAX for Windows > PC-FAX Overview (Windows) > Configure PC-FAX (Windows)

Configure PC-FAX (Windows)

Before sending faxes using PC-FAX, personalise the send options in each tab of the PC-FAX Setup dialog box.

- 1. Do one of the following:
 - Windows 7

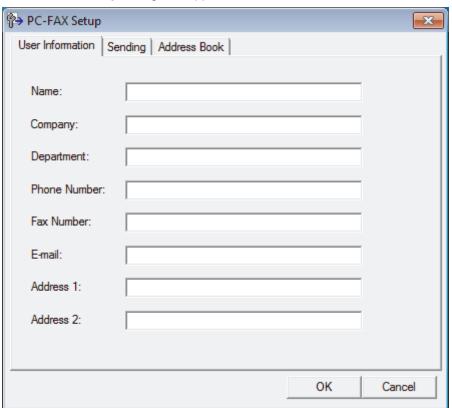
Click (Start) > All Programs > Brother > Brother Utilities.

Click the drop-down list and select your model name (if not already selected). Click **PC-FAX** in the left navigation bar, and then click **Setup Sending**.

· Windows 8 and Windows 10

Launch (Brother Utilities), and then click the drop-down list and select your model name (if not already selected). Click PC-FAX in the left navigation bar, and then click Setup Sending.

The **PC-FAX Setup** dialog box appears.

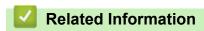


- 2. Do one of the following:
 - Click the **User Information** tab, and then type your user information in the fields.



Each Microsoft account can have its own customised **User Information** screen for custom fax headers and cover pages.

- Click the Sending tab, and then type the number needed to access an outside line (if needed) in the
 Outside line access field. Select the Include header check box to include the header information.
- Click the Address Book tab, and then select the address book you want to use for PC-FAX from the Select Address Book drop-down list.
- 3. Click OK.



PC-FAX Overview (Windows)

▲ Home > Fax > PC-FAX > PC-FAX for Windows > PC-FAX Overview (Windows) > Configure your PC-Fax Address Book (Windows)

Configure your PC-Fax Address Book (Windows)

Add, edit and delete members and groups to personalise your Brother **Address Book**.

- Add a Member to your PC-FAX Address Book (Windows)
- Create a Group in your PC-FAX Address Book (Windows)
- Edit Member or Group Information in your PC-FAX Address Book (Windows)
- Delete a Member or Group in your PC-FAX Address Book (Windows)
- Export your PC-FAX Address Book (Windows)
- Import Information to your PC-FAX Address Book (Windows)

■ Home > Fax > PC-FAX > PC-FAX for Windows > PC-FAX Overview (Windows) > Configure your PC-Fax Address Book (Windows) > Add a Member to your PC-FAX Address Book (Windows)

Add a Member to your PC-FAX Address Book (Windows)

Add new people and their fax information to the PC-Fax Address Book if you want to send a fax using Brother PC-Fax software.

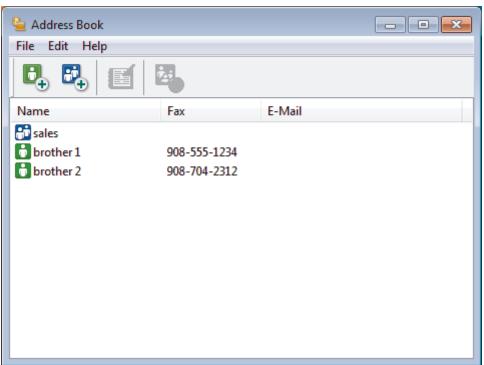
- 1. Do one of the following:
 - Windows 7
 - Click (Start) > All Programs > Brother > Brother Utilities.

Click the drop-down list and select your model name (if not already selected). Click **PC-FAX** in the left navigation bar, and then click **Address Book (Send)**.

· Windows 8 and Windows 10

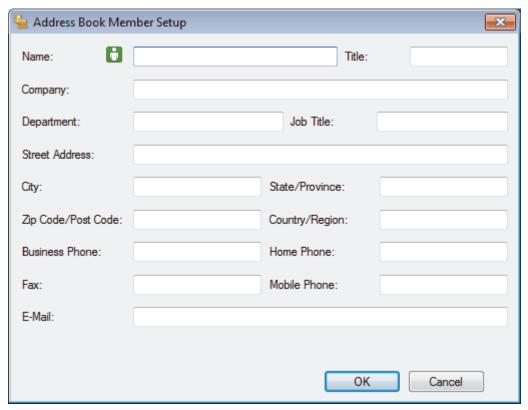
Launch (Brother Utilities), and then click the drop-down list and select your model name (if not already selected). Click PC-FAX in the left navigation bar, and then click Address Book (Send).

The Address Book dialog box appears.



2. Click 👢.

The Address Book Member Setup dialog box appears.



- 3. Type the member's information in the corresponding fields. Only the **Name** field is required.
- 4. Click OK.

Related Information

• Configure your PC-Fax Address Book (Windows)

▲ Home > Fax > PC-FAX > PC-FAX for Windows > PC-FAX Overview (Windows) > Configure your PC-Fax Address Book (Windows) > Create a Group in your PC-FAX Address Book (Windows)

Create a Group in your PC-FAX Address Book (Windows)

Create a group to broadcast the same PC-FAX to several recipients at one time.

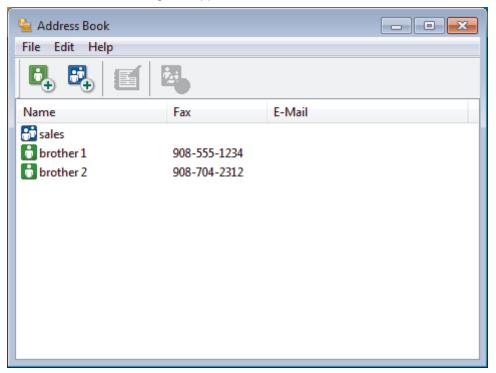
- 1. Do one of the following:
 - · Windows 7
 - Click (Start) > All Programs > Brother > Brother Utilities.

Click the drop-down list and select your model name (if not already selected). Click **PC-FAX** in the left navigation bar, and then click **Address Book (Send)**.

· Windows 8 and Windows 10

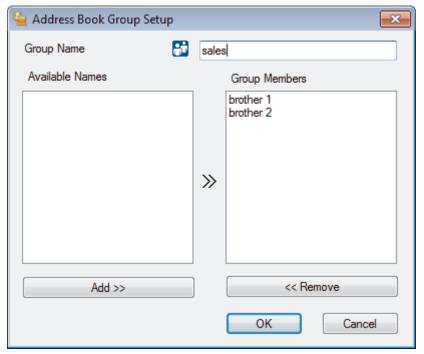
Launch (Brother Utilities), and then click the drop-down list and select your model name (if not already selected). Click **PC-FAX** in the left navigation bar, and then click **Address Book (Send)**.

The Address Book dialog box appears.



2. Click 🔼.

The Address Book Group Setup dialog box appears.



- 3. Type the name of the new group in the **Group Name** field.
- 4. In the **Available Names** field, select each name you want to include in the group, and then click **Add >>**. Members added to the group appear in the **Group Members** box.
- 5. When finished, click **OK**.



Each group can contain up to 50 members.

Related Information

• Configure your PC-Fax Address Book (Windows)

▲ Home > Fax > PC-FAX > PC-FAX for Windows > PC-FAX Overview (Windows) > Configure your PC-Fax Address Book (Windows) > Edit Member or Group Information in your PC-FAX Address Book (Windows)

Edit Member or Group Information in your PC-FAX Address Book (Windows)

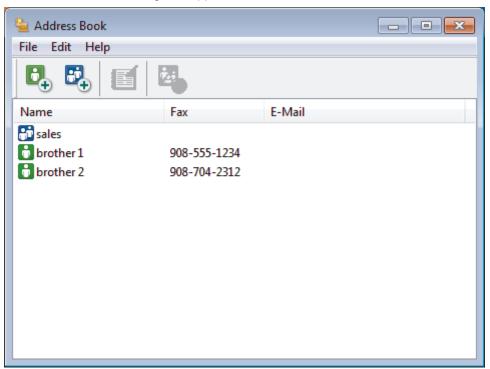
- 1. Do one of the following:
 - · Windows 7
 - Click 👩 (Start) > All Programs > Brother > Brother Utilities.

Click the drop-down list and select your model name (if not already selected). Click **PC-FAX** in the left navigation bar, and then click **Address Book (Send)**.

· Windows 8 and Windows 10

Launch (Brother Utilities), and then click the drop-down list and select your model name (if not already selected). Click **PC-FAX** in the left navigation bar, and then click **Address Book** (Send).

The Address Book dialog box appears.



- 2. Select the member or group you want to edit.
- 3. Click [(Properties).
- 4. Change the member or group information.
- 5. Click OK.

Related Information

Configure your PC-Fax Address Book (Windows)

▲ Home > Fax > PC-FAX > PC-FAX for Windows > PC-FAX Overview (Windows) > Configure your PC-Fax Address Book (Windows) > Delete a Member or Group in your PC-FAX Address Book (Windows)

Delete a Member or Group in your PC-FAX Address Book (Windows)

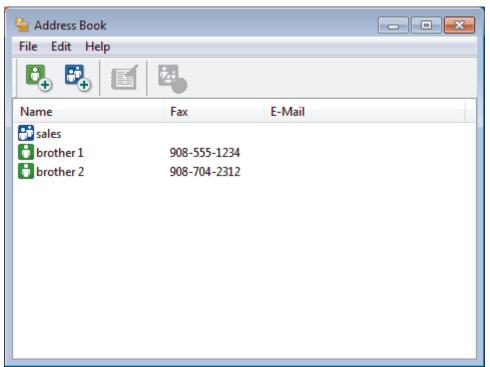
- 1. Do one of the following:
 - · Windows 7
 - Click (Start) > All Programs > Brother > Brother Utilities.

Click the drop-down list and select your model name (if not already selected). Click **PC-FAX** in the left navigation bar, and then click **Address Book (Send)**.

· Windows 8 and Windows 10

Launch (Brother Utilities), and then click the drop-down list and select your model name (if not already selected). Click PC-FAX in the left navigation bar, and then click Address Book (Send).

The Address Book dialog box appears.



- 2. Select the member or group you want to delete.
- 3. Click [A](Delete).
- 4. When the confirmation dialog box appears, click OK.

Related Information

Configure your PC-Fax Address Book (Windows)

■ Home > Fax > PC-FAX > PC-FAX for Windows > PC-FAX Overview (Windows) > Configure your PC-Fax Address Book (Windows) > Export your PC-FAX Address Book (Windows)

Export your PC-FAX Address Book (Windows)

You can export the Address Book as an ASCII text file (*.csv), a vCard (an electronic business card), or **Remote Setup Dial Data** and save it on your computer.

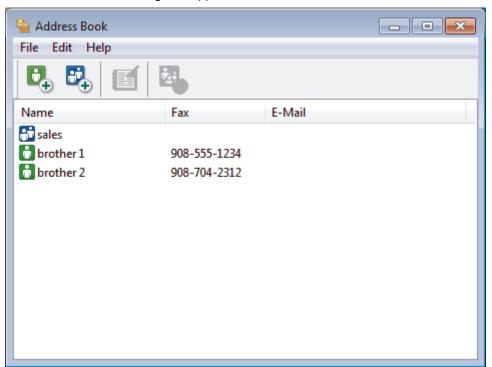
- · You cannot export the group settings when you export the Address Book data.
- 1. Do one of the following:
 - · Windows 7
 - Click (Start) > All Programs > Brother > Brother Utilities.

Click the drop-down list and select your model name (if not already selected). Click **PC-FAX** in the left navigation bar, and then click **Address Book (Send)**.

· Windows 8 and Windows 10

Launch [Fig. (Brother Utilities), and then click the drop-down list and select your model name (if not already selected). Click PC-FAX in the left navigation bar, and then click Address Book (Send).

The Address Book dialog box appears.



- 2. Click the **File** menu, and then select **Export**.
- 3. Select one of the following:
 - Text

The **Select Items** dialog box appears. Go to step 4.

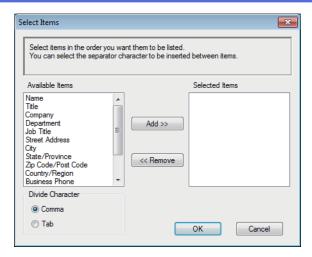
vCard

You must select the member you want to export from your address book before selecting this option. Browse to the folder where you want to save the vCard, type the vCard name in the **File name** field, and then click **Save**.

· Remote Setup Dial Data

Browse to the folder where you want to save the data, type the file name in the **File name** field, and then click **Save**.

4. In the Available Items field, select the data you want to export, and then click Add >>.





Select and add the items in the order you want them listed.

- 5. If you are exporting to an ASCII file, under the **Divide Character** section, select the **Tab** or **Comma** option to separate the data fields.
- 6. Click OK.
- 7. Browse to the folder on your computer where you want to save the data, type the file name, and then click **Save**.

✓ F

Related Information

• Configure your PC-Fax Address Book (Windows)

■ Home > Fax > PC-FAX > PC-FAX for Windows > PC-FAX Overview (Windows) > Configure your PC-Fax Address Book (Windows) > Import Information to your PC-FAX Address Book (Windows)

Import Information to your PC-FAX Address Book (Windows)

You can import ASCII text files (*.csv), vCards (electronic business cards), or **Remote Setup Dial Data** into your Address Book.

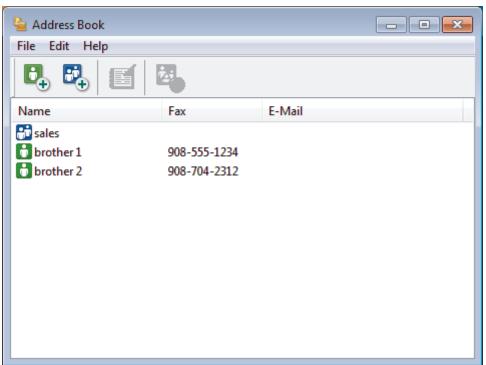
- 1. Do one of the following:
 - Windows 7
 - Click (Start) > All Programs > Brother > Brother Utilities.

Click the drop-down list and select your model name (if not already selected). Click **PC-FAX** in the left navigation bar, and then click **Address Book (Send)**.

· Windows 8 and Windows 10

Launch [Fig. (Brother Utilities), and then click the drop-down list and select your model name (if not already selected). Click PC-FAX in the left navigation bar, and then click Address Book (Send).

The Address Book dialog box appears.



- 2. Click the **File** menu, and then select **Import**.
- 3. Select one of the following:
 - Text

The **Select Items** dialog box appears. Go to step 4.

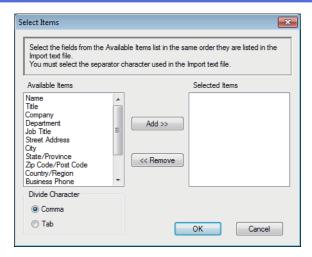
vCard

Go to step 7.

Remote Setup Dial Data

Go to step 7.

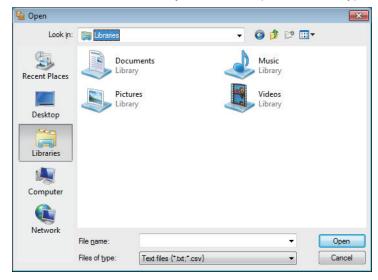
4. In the Available Items field, select the data you want to import, and then click Add >>.





You must select and add fields from the **Available Items** list in the same order they are listed in the import text file.

- 5. If you are importing an ASCII file, under the **Divide Character** section, select the **Tab** or **Comma** option to separate the data fields.
- 6. Click OK.
- 7. Browse to the folder where you want to import the data, type the file name, and then click **Open**.





Related Information

• Configure your PC-Fax Address Book (Windows)

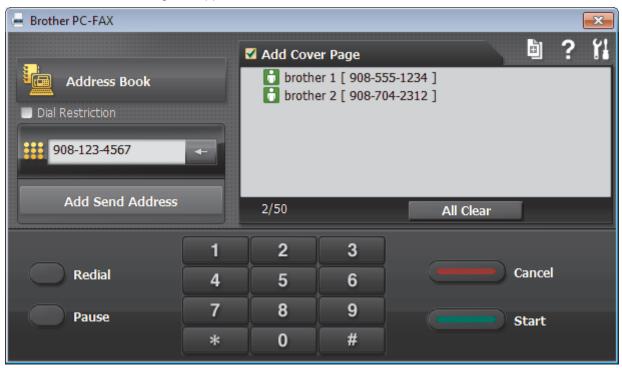
▲ Home > Fax > PC-FAX > PC-FAX for Windows > Send a Fax Using PC-FAX (Windows)

Send a Fax Using PC-FAX (Windows)

PC-FAX supports only monochrome faxes. A monochrome fax will be sent even if the original data is colour and the receiving fax machine supports colour faxes.

- 1. Create a file in any application on your computer.
- 2. Select the print command in your application.
- 3. Select Brother PC-FAX as your printer, and then complete your print operation.

The **BrotherPC-FAX** dialog box appears.



- 4. Type a fax number using one of the following methods:
 - Click the numbers on the dial pad to type the number, and then click Add Send Address.



If you select the **Dial Restriction** check box, a confirmation dialog box will appear for you to re-type the fax number using the keyboard. This feature helps to prevent transmissions to the wrong destination.

• Click the Address Book button, and then select a member or group from the Address Book.



If you make a mistake, click All Clear to delete all entries.

- 5. To include a cover page, select the **Add Cover Page** check box. You can also click to create or edit a cover page.
- 6. Click Start to send the fax.



- To cancel the fax, click Cancel.
- · To redial a number, click Redial to show the last five fax numbers, select a number, and then click Start.

Related Information

PC-FAX for Windows

▲ Home > Fax > PC-FAX > PC-FAX for Windows > Receive Faxes on Your Computer (Windows)

Receive Faxes on Your Computer (Windows)

Use Brother's PC-FAX software to receive faxes on your computer, screen them and print only those faxes you want.



• Receive Faxes Using PC-FAX Receive (Windows)

■ Home > Fax > PC-FAX > PC-FAX for Windows > Receive Faxes on Your Computer (Windows) > Receive Faxes Using PC-FAX Receive (Windows)

Receive Faxes Using PC-FAX Receive (Windows)

Brother's PC-FAX Receive software lets you view and store faxes on your computer. It is automatically installed when you install the Brother software and drivers and works on locally- or network-connected machines.

PC-FAX Receive supports only monochrome faxes.

When you turn off your computer, your machine will continue to receive and store faxes in your Brother machine's memory. The machine's LCD will display the number of stored faxes received. When you start this application, the software will transfer all received faxes to your computer at once. You can enable the Backup Print option if you want the machine to print a copy of the fax before the fax is sent to your computer, or before the computer is switched off. You can configure the Backup Print settings from your Brother machine.

Related Information

- · Receive Faxes on Your Computer (Windows)
- Run Brother's PC-FAX Receive on Your Computer (Windows)
- · View Received PC-FAX Messages (Windows)

■ Home > Fax > PC-FAX > PC-FAX for Windows > Receive Faxes on Your Computer (Windows) > Receive Faxes Using PC-FAX Receive (Windows) > Run Brother's PC-FAX Receive on Your Computer (Windows)

Run Brother's PC-FAX Receive on Your Computer (Windows)



We recommend selecting the **Start PC-FAX Receive on computer startup** check box so that the software runs automatically and can transfer any faxes upon computer startup.

- 1. Do one of the following:
 - · Windows 7
 - Click (Start) > All Programs > Brother > Brother Utilities.

Click the drop-down list and select your model name (if not already selected). Click **PC-FAX** in the left navigation bar, and then click **Receive**.

- Windows 8 and Windows 10
 - Launch (Brother Utilities), and then click the drop-down list and select your model name (if not already selected). Click **PC-FAX** in the left navigation bar, and then click **Receive**.
- 2. Confirm the message and click Yes.

The **PC-FAX Receive** window appears. The [PC-Fax Receive (Ready)) icon also appears in your computer task tray.

Related Information

- Receive Faxes Using PC-FAX Receive (Windows)
- Set Up Your Computer for PC-FAX Receiving (Windows)
- Add Your Brother Machine to PC-FAX Receiving (Windows)

▲ Home > Fax > PC-FAX > PC-FAX for Windows > Receive Faxes on Your Computer (Windows) > Receive Faxes Using PC-FAX Receive (Windows) > Run Brother's PC-FAX Receive on Your Computer (Windows) > Set Up Your Computer for PC-FAX Receiving (Windows)

Set Up Your Computer for PC-FAX Receiving (Windows)

1. Double-click the [(PC-Fax Receive (Ready)) icon in your computer task tray.

The PC-FAX Receive window appears.

- 2. Click Settings.
- 3. Configure these options as needed:

Preferences

Configure to start PC-FAX Receive automatically when you start Windows.

Save

Configure the path to save PC-FAX files and select the received document format.

Upload to

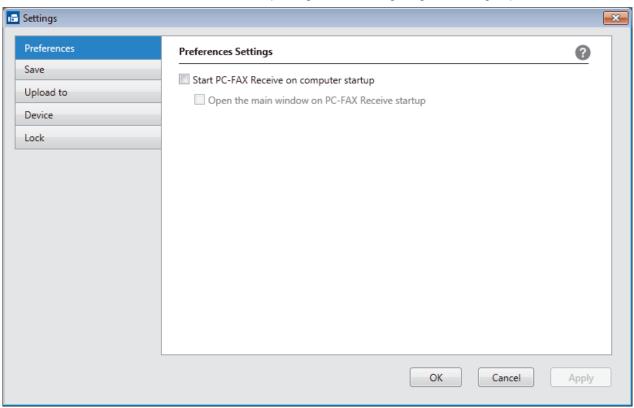
Configure the path to the SharePoint server and select the option to upload automatically or manually (available only for Administrators).

Device

Select the Brother machine that you want to receive PC-FAX.

Lock (available only for Administrators)

Restrict users who do not have administrator privileges from configuring the settings options shown above.



4. Click OK.

Related Information

• Run Brother's PC-FAX Receive on Your Computer (Windows)

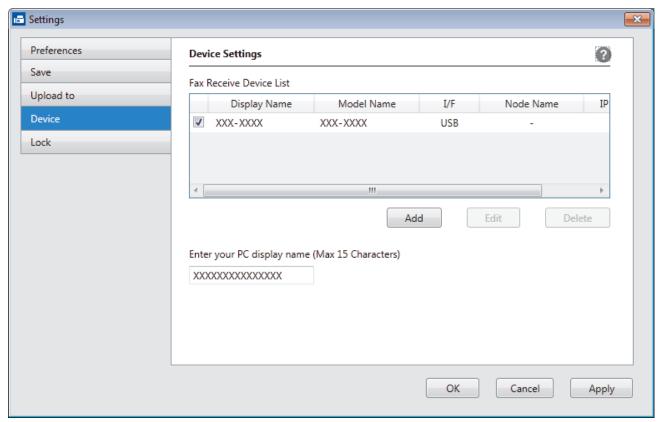
▲ Home > Fax > PC-FAX > PC-FAX for Windows > Receive Faxes on Your Computer (Windows) > Receive Faxes Using PC-FAX Receive (Windows) > Run Brother's PC-FAX Receive on Your Computer (Windows) > Add Your Brother Machine to PC-FAX Receiving (Windows)

Add Your Brother Machine to PC-FAX Receiving (Windows)

- If you installed the machine following the instructions for a network user, then the machine should already be configured for your network.
- 1. Double-click the [(PC-Fax Receive (Ready)) icon in your computer task tray.

The PC-FAX Receive window appears.

- 2. Click Settings.
- 3. Click Device > Add.



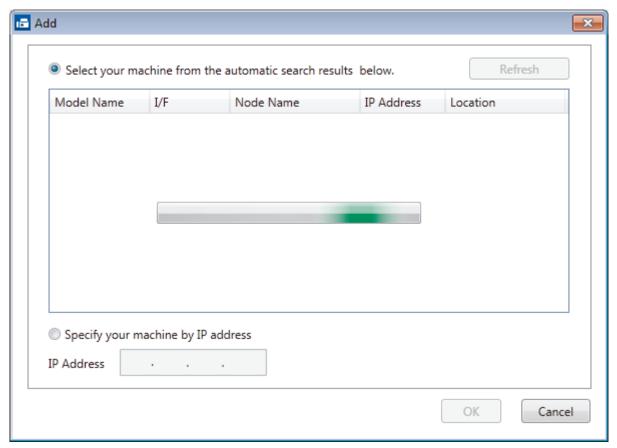
4. Select the appropriate connection method.

Select your machine from the automatic search results below.

Connected Brother machines will be displayed. Select a device from the list. Click **OK**.

Specify your machine by IP address

Type the machine's IP address in the IP Address field, and then click OK.



- 5. To change the computer name that will appear on the machine's LCD, type the new name in the **Enter your PC display name (Max 15 Characters)** field.
- 6. Click OK.

Related Information

• Run Brother's PC-FAX Receive on Your Computer (Windows)

■ Home > Fax > PC-FAX > PC-FAX for Windows > Receive Faxes on Your Computer (Windows) > Receive Faxes Using PC-FAX Receive (Windows) > View Received PC-FAX Messages (Windows)

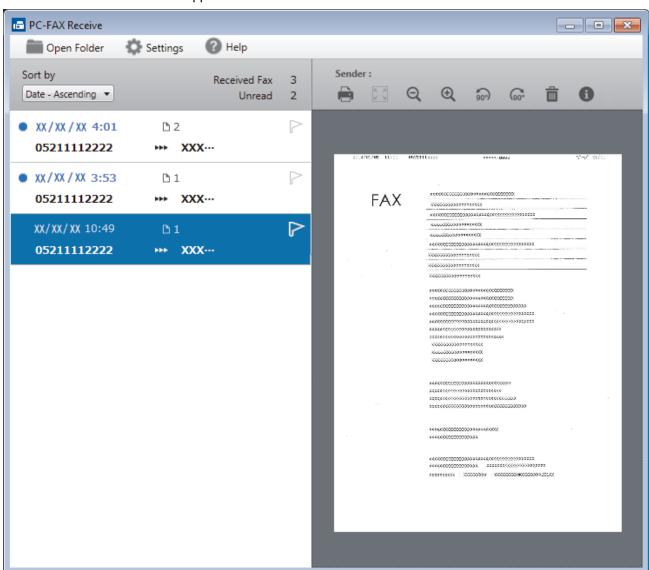
View Received PC-FAX Messages (Windows)

Receiving Status

Icon	Indicated Status		
i a	Standby mode No unread messages		
□ ↔ □	Receiving messages		
*	Messages received Unread messages		

1. Double-click the [(PC-Fax Receive (Ready)) icon in your computer task tray.

The PC-FAX Receive window appears.



- 2. Click any faxes in the list to view them.
- 3. When finished, click in the right top corner of the window to close it.



Even after closing the window, PC-FAX Receive is active and the (PC-Fax Receive (Ready)) icon will remain in your computer task tray. To close PC-FAX Receive, click the icon in the computer task tray and click Close.

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Related Information

• Receive Faxes Using PC-FAX Receive (Windows)

▲ Home > Fax > PC-FAX > PC-FAX for Mac(Sending only)

PC-FAX for Mac(Sending only)

Use Brother's PC-FAX software to send faxes directly from your Mac without printing them. This feature helps reduce your paper consumption and save time.

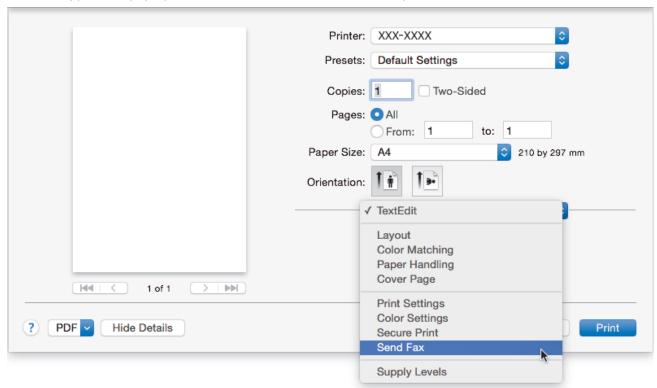
• Send Faxes from Your Application (Mac)

▲ Home > Fax > PC-FAX > PC-FAX for Mac(Sending only) > Send Faxes from Your Application (Mac)

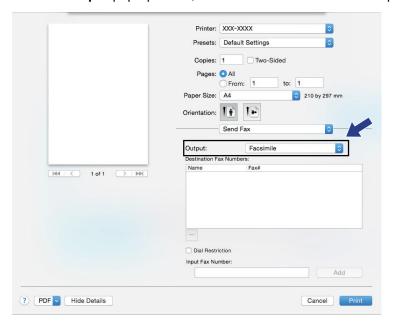
Send Faxes from Your Application (Mac)

PC-FAX supports only monochrome faxes. A monochrome fax will be sent even if the original data is colour and the receiving fax machine supports colour faxes.

- 1. Create a document in a Mac application.
- 2. From an application, such as Apple TextEdit, click the File menu, and then select Print.
- 3. Click the application pop-up menu, and then select the Send Fax option.



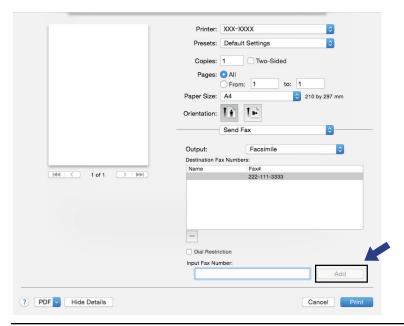
4. Click the **Output** pop-up menu, and then select the **Facsimile** option.



Type a fax number in the Input Fax Number field, and then click Add.
 The fax number is displayed in the Destination Fax Numbers field.



To send a fax to more than one number, click the **Add** button after entering the first fax number and type the next fax number. The destination fax numbers will be listed in the **Destination Fax Numbers** field.



6. Click Print to send the fax.

✓

Related Information

• PC-FAX for Mac(Sending only)

▲ Home > Print Data Directly from a USB Flash Drive

Print Data Directly from a USB Flash Drive

You can print photos directly from digital camera media or a USB flash drive. Supported file types are PDF, JPEG, TIFF, XPS, and PRN.

- Compatible USB Flash Drives
- Print Data Directly from a USB Flash Drive or Digital Camera Supporting Mass Storage
- Create a PRN File for Direct Printing (Windows)

▲ Home > Print Data Directly from a USB Flash Drive > Compatible USB Flash Drives

Compatible USB Flash Drives

IMPORTANT

The USB direct interface supports only USB flash drives and digital cameras that use the USB mass storage standard. Other USB devices are not supported.

Compatible USB Flash Drives		
USB Class	USB Mass Storage Class	
USB Mass Storage Sub Class	SCSI or SFF-8070i	
Transfer protocol	Bulk transfer Only	
Format ¹	FAT12/FAT16/FAT32/exFAT	
Sector size	Max. 4096 Byte	
Encryption	Encrypted devices are not supported.	

V

Related Information

• Print Data Directly from a USB Flash Drive

NTFS format is not supported.

▲ Home > Print Data Directly from a USB Flash Drive > Print Data Directly from a USB Flash Drive or Digital Camera Supporting Mass Storage

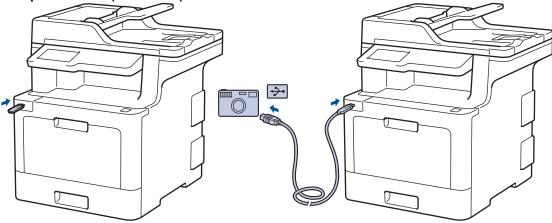
Print Data Directly from a USB Flash Drive or Digital Camera Supporting Mass Storage

- · Make sure your digital camera is turned on.
- Your digital camera must be switched from PictBridge mode to mass storage mode.

IMPORTANT

To prevent damage to your machine, DO NOT connect any device other than a digital camera or USB flash drive to the USB direct interface.





1. Connect your USB flash drive or digital camera to the USB direct interface. The touchscreen will automatically display the USB menu to confirm the USB flash drive or digital camera is correctly connected.



- If an error occurs, the USB menu will not appear on the touchscreen.
- When the machine is in Deep Sleep mode, the touchscreen does not display any information even if you connect a USB flash drive to the USB direct interface. Press the touchscreen to wake up the machine.
- If your machine has been set to Secure Function Lock On, you may not be able to access Direct Print.
- 2. Press [Direct Print].
- 3. Swipe up or down, or press ▲ or ▼ to display the file you want to print, and then select the file.



To print an index of the files, press [Index Print] on the touchscreen. Press [Mono Start] or [Colour Start] to print the data.

- 4. Do one of the following:
 - To change the settings, press [Print Settings]. Go to the next step.
 - If you want to use the default settings, enter the number of copies, and then press [Mono Start] or [Colour Start].
- 5. Select the print settings you want to change:
 - [Paper Type]
 - [Paper Size]
 - [Multiple Page]
 - [Orientation]
 - [2-sided]

- [Collate]
- [Tray Use]
- [Print Quality]
- [PDF Option]



Depending on the file type, some of these settings may not appear.

- 6. Press [OK].
- 7. Enter the number of copies you want.
- 8. Press [Mono Start] or [Colour Start] to print the data.
- 9. Press

IMPORTANT

DO NOT remove the USB flash drive or digital camera from the USB direct interface until the machine has finished printing.



Related Information

· Print Data Directly from a USB Flash Drive

▲ Home > Print Data Directly from a USB Flash Drive > Create a PRN File for Direct Printing (Windows)

Create a PRN File for Direct Printing (Windows)

These instructions may vary depending on your print application and operating system.

- 1. Select the print command in your application.
- 2. Select your model, and then select the print to file option.
- 3. Complete your print operation.
- 4. Enter the required information to save the file.



If the computer prompts you to enter a file name only, you can also specify the folder where you want to save the file by typing the directory name (for example: C:\Temp\FileName.prn).

If a USB flash drive is connected to your computer, you can save the file directly to the USB flash drive.

V

Related Information

· Print Data Directly from a USB Flash Drive

▲ Home > Network

Network

- Supported Basic Network Features
- Network Management Software and Utilities
- Additional Methods of Configuring Your Brother Machine for a Wireless Network
- Advanced Network Features
- Technical Information for Advanced Users

▲ Home > Network > Supported Basic Network Features

Supported Basic Network Features

The print server supports various features depending on the operating system. Use this table to see which network features and connections are supported by each operating system.

Operating Systems	Windows 7 Windows 8 Windows 10	Windows Server 2008/2012/2012 R2/2016	macOS v10.10.5 macOS v10.11.x macOS v10.12
Printing	Yes	Yes	Yes
Scanning	Yes		Yes
PC Fax Send	Yes		Yes
PC Fax Receive	Yes		
BRAdmin Light	Yes	Yes	
BRAdmin Professional	Yes	Yes	
Web Based Management	Yes	Yes	Yes
Remote Setup	Yes		Yes
Status Monitor	Yes		Yes
Driver Deployment Wizard	Yes	Yes	
Vertical Pairing	Yes		



- Go to your model's **Downloads** page on the Brother Solutions Center at <u>support.brother.com</u> to download the latest version of Brother's BRAdmin Light.
- Go to your model's **Downloads** page on the Brother Solutions Center at <u>support.brother.com</u> to download the latest version of Brother's BRAdmin Professional utility.

Related Information

Network

▲ Home > Network > Network Management Software and Utilities

Network Management Software and Utilities

Configure and change your Brother machine's network settings using a management utility.

- Learn about Network Management Software and Utilities
- Change Machine Settings from Your Computer
- Change Machine Settings Using Web Based Management

▲ Home > Network > Network Management Software and Utilities > Learn about Network Management Software and Utilities

Learn about Network Management Software and Utilities

Web Based Management

Web Based Management is a utility that uses a standard web browser to manage your machine using the Hyper Text Transfer Protocol (HTTP) or Hyper Text Transfer Protocol over Secure Socket Layer (HTTPS). Type your machine's IP address into your web browser to access and change your print server settings.

BRAdmin Light (Windows)

BRAdmin Light is a utility for the initial setup of Brother network-connected devices. This utility can search for Brother products on your network, view the status and configure the basic network settings, such as IP address.

Go to your model's **Downloads** page on the Brother Solutions Center at <u>support.brother.com</u> to download BRAdmin Light.



 If using Windows Firewall, or the firewall function of an anti-spyware or antivirus application, temporarily disable them. When you are sure you can print, configure the software settings following the instructions.

BRAdmin Professional (Windows)

BRAdmin Professional is a utility for more advanced management of network-connected Brother devices. This utility can search for Brother products on your network and view the device status from an easy-to-read Windows Explorer-style screen that changes colour to identify the status of each device. You can configure network and device settings, and update device firmware from a Windows computer on your LAN. BRAdmin Professional can also log activity of Brother devices on your network and export the log data. For users who want to monitor locally-connected machines, install the Print Auditor Client software on the client computer. This utility allows you to use BRAdmin Professional to monitor machines that are connected to a client computer via the USB interface.



- Go to your model's **Downloads** page on the Brother Solutions Center at <u>support.brother.com</u> to download the latest version of Brother's BRAdmin Professional utility.
- Node name: The node name appears in the current BRAdmin Professional window. The default node
 name is "BRNxxxxxxxxxxxx" for a wired network or "BRWxxxxxxxxxxxx" for a wireless network (where
 "xxxxxxxxxxxx" is your machine's MAC Address / Ethernet address).
- If using Windows Firewall, or the firewall function of an anti-spyware or antivirus application, temporarily disable them. When you are sure you can print, configure the software settings following the instructions.

Remote Setup (Windows and Mac)

Remote Setup is a program for configuring many machine and network settings from either a Windows or a Mac application. When you start this application, the settings on your machine are automatically downloaded to your computer and displayed on your computer screen. If you change the settings, you can upload them directly to the machine.



This utility can be used with either a USB or a network connection.



Related Information

Network Management Software and Utilities

▲ Home > Network > Additional Methods of Configuring Your Brother Machine for a Wireless Network

Additional Methods of Configuring Your Brother Machine for a Wireless Network

To connect your machine to your wireless network, we recommend using the Brother installation disc.

- Before Configuring Your Brother Machine for a Wireless Network
- Configure Your Machine for a Wireless Network
- Configure Your Machine for a Wireless Network Using the One Push Method of Wi-Fi Protected Setup[™] (WPS)
- Configure Your Machine for a Wireless Network Using the PIN Method of Wi-Fi Protected Setup[™] (WPS)
- Configure Your Machine for a Wireless Network Using the Machine's Control Panel Setup Wizard
- Configure Your Machine for a Wireless Network When the SSID Is Not Broadcast
- Configure Your Machine for an Enterprise Wireless Network
- Use Wi-Fi Direct[®]

▲ Home > Network > Additional Methods of Configuring Your Brother Machine for a Wireless Network > Before Configuring Your Brother Machine for a Wireless Network

Before Configuring Your Brother Machine for a Wireless Network

Before attempting to configure a wireless network, confirm the following:

- If you are using an enterprise wireless network, you must know the User ID and Password.
- To achieve optimum results with normal everyday document printing, place the Brother machine as close to
 the wireless LAN access point/router as possible with minimal obstructions. Large objects and walls between
 the two devices and interference from other electronic devices can affect the data transfer speed of your
 documents.

Due to these factors, wireless may not be the best method of connection for all types of documents and applications. If you are printing large files, such as multi-page documents with mixed text and large graphics, you may want to consider selecting wired Ethernet for faster data transfer (supported models only), or USB for the fastest throughput speed.

• Although the Brother machine can be used in both a wired and wireless network (supported models only), only one connection method can be used at a time. However, a wireless network connection and Wi-Fi Direct connection, or a wired network connection (supported models only) and Wi-Fi Direct connection can be used at the same time.



If you do not know the security information, please consult the router manufacturer, your system administrator, or your Internet provider.

Related Information

· Additional Methods of Configuring Your Brother Machine for a Wireless Network

▲ Home > Network > Additional Methods of Configuring Your Brother Machine for a Wireless Network > Configure Your Machine for a Wireless Network

Configure Your Machine for a Wireless Network

- 1. Turn on your computer and insert the Brother installation disc into your computer.
 - For Windows, follow these instructions:
 - For Mac, click **Driver Download** to go to the Brother Solutions Center. Follow the on-screen instructions to install printer drivers.
- 2. The opening screen appears automatically.

Choose your language, and then follow the on-screen instructions.



If the Brother screen does not appear, do the following:

- (Windows 7)
 - Go to Computer. Double-click the CD/DVD icon, and then double-click start.exe.
- (Windows 8 and Windows 10)
 - Click the (File Explorer) icon on the taskbar, and then go to Computer (This PC). Double-click the CD/DVD icon, and then double-click start.exe.
- If the User Account Control screen appears, click Yes.
- 3. Choose Wireless Network Connection (Wi-Fi), and then click Next.
- 4. Follow the on-screen instructions.

After you have completed the wireless setup, the installer program walks you through installing the drivers and software necessary for operating your device. Click **Next** in the installation dialog box and follow the on-screen instructions.



Related Information

Additional Methods of Configuring Your Brother Machine for a Wireless Network

■ Home > Network > Additional Methods of Configuring Your Brother Machine for a Wireless Network > Configure Your Machine for a Wireless Network Using the One Push Method of Wi-Fi Protected Setup™ (WPS)

Configure Your Machine for a Wireless Network Using the One Push Method of Wi-Fi Protected Setup[™] (WPS)

If your wireless access point/router supports WPS (PBC: Push Button Configuration), you can use WPS from your machine's control panel menu to configure your wireless network settings.



Routers or access points that support WPS are marked with this symbol:



1. Press [Settings] > [All Settings] > [Network] > [WLAN] > [WPS].



If your machine displays the [All Settings] menu on the Home screen, skip the [Settings] menu.

- When [Enable WLAN?] appears, press [Yes].
 This will start the wireless setup wizard. To cancel, press [No].
- 3. When the touchscreen displays [Start WPS on your wireless access point/router, then press [OK].], press the WPS button on your wireless access point/router. Then press [OK] on your machine. Your machine will automatically detect your wireless access point/router and try to connect to your wireless network.

If your wireless device is connected successfully, the machine's LCD displays [Connected].

You have completed the wireless network setup. To install drivers and software necessary for operating your device, insert the Brother installation disc into your computer or go to your model's **Downloads** page on the Brother Solutions Center at <u>support.brother.com</u>.

- · Additional Methods of Configuring Your Brother Machine for a Wireless Network
- · Wireless LAN Report Error Codes

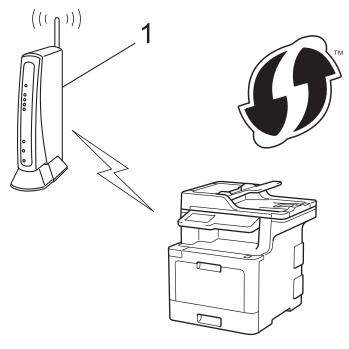
Configure Your Machine for a Wireless Network Using the PIN Method of Wi-Fi Protected Setup[™] (WPS)

If your wireless LAN access point/router supports WPS, you can use the Personal Identification Number (PIN) Method to configure your wireless network settings.

The PIN Method is one of the connection methods developed by the Wi-Fi Alliance[®]. By submitting a PIN created by an Enrollee (your machine) to the Registrar (a device that manages the wireless LAN), you can set up the wireless network and security settings. For more information on how to access WPS mode, see the instructions provided with your wireless access point/router.

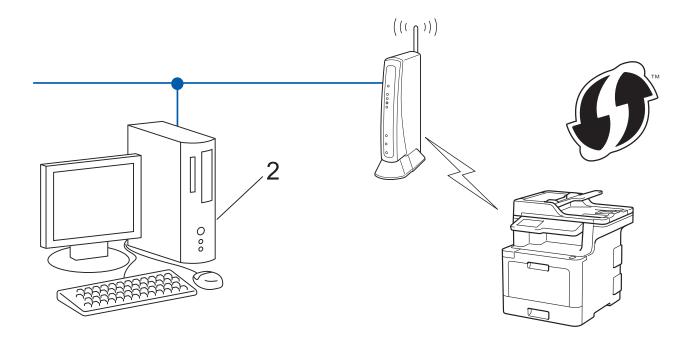
Type A

Connection when the wireless LAN access point/router (1) doubles as the Registrar:



Type B

Connection when another device (2), such as a computer, is used as the Registrar:





Routers or access points that support WPS are marked with this symbol:



1. Press [Settings] > [All Settings] > [Network] > [WLAN] > [WPS w/ PIN Code].



If your machine displays the [All Settings] menu on the Home screen, skip the [Settings] menu.

- 2. When [Enable WLAN?] appears, press [Yes].
 - This will start the wireless setup wizard. To cancel, press [No].
- 3. The LCD displays an eight-digit PIN and the machine starts searching for a wireless LAN access point/router.
- 4. Using a computer connected to the network, in your browser's address bar, type the IP address of the device you are using as the Registrar. (For example: http://192.168.1.2)
- 5. Go to the WPS settings page and type the PIN, and then follow the on-screen instructions.



- The Registrar is usually the wireless LAN access point/router.
- The settings page will differ depending on the brand of wireless LAN access point/router. For more information, see the instructions supplied with your wireless LAN access point/router.

If you are using a Windows 7, Windows 8, or Windows 10 computer as a Registrar, complete the following steps:

- 6. Do one of the following:
 - Windows 7
 - Click (Start) > Devices and Printers > Add a device.
 - · Windows 8

Move your mouse to the lower right corner of your desktop. When the menu bar appears, click **Settings > Control Panel > Hardware and Sound > Devices and Printers > Add a device**.

Windows 10

Click = > Windows System > Control Panel. In the Hardware and Sound group, click Add a device.



- To use a Windows 7, Windows 8, or Windows 10 computer as a Registrar, you must register it to your network in advance. For more information, see the instructions supplied with your wireless LAN access point/router.
- If you use Windows 7, Windows 8, or Windows 10 as a Registrar, you can install the printer driver after the wireless configuration by following the on-screen instructions. To install the full driver and software package, use the Brother installation disc.
- 7. Select your machine and click Next.
- 8. Type the PIN displayed on the machine's LCD, and then click Next.
- 9. (Windows 7) Select your network, and then click Next.
- 10. Click Close.

If your wireless device is connected successfully, the machine's LCD displays [Connected].

You have completed the wireless network setup. To install drivers and software necessary for operating your device, insert the Brother installation disc into your computer or go to your model's **Downloads** page on the Brother Solutions Center at support.brother.com.



- · Additional Methods of Configuring Your Brother Machine for a Wireless Network
- Wireless LAN Report Error Codes

▲ Home > Network > Additional Methods of Configuring Your Brother Machine for a Wireless Network > Configure Your Machine for a Wireless Network Using the Machine's Control Panel Setup Wizard

Configure Your Machine for a Wireless Network Using the Machine's Control Panel Setup Wizard

Before configuring your machine, we recommend writing down your wireless network settings. You will need this information before you continue with the configuration.

1. Check and record the current wireless network settings of the computer to which you are connecting.

Network Name (SSID)	
Network Key	

For example:

Network Name (SSID)
HELLO

Network Key

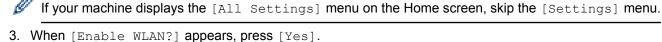
12345



- Your access point/router may support the use of multiple WEP keys, however your Brother machine supports the use of the first WEP key only.
- If you need assistance during setup and want to contact Brother customer service, make sure you have your SSID (Network Name) and Network Key ready. We cannot assist you in locating this information.
- If you do not know this information (SSID and Network Key), you cannot continue the wireless setup.

How can I find this information?

- a. Check the documentation provided with your wireless access point/router.
- b. The initial SSID could be the manufacturer's name or the model name.
- c. If you do not know the security information, please consult the router manufacturer, your system administrator, or your Interner provider.
- 2. Press [Settings] > [All Settings] > [Network] > [WLAN] > [Setup Wizard].



This will start the wireless setup wizard. To cancel, press [No].

- 4. The machine will search for your network and display a list of available SSIDs.
 - If a list of SSIDs is displayed, swipe up or down or press ▲ or ▼ to display the SSID to which you want to connect, and then press the SSID.
- 5. Press [OK].
- 6. Do one of the following:
 - If you are using an authentication and encryption method that requires a Network Key, enter the Network Key you wrote down in the first step.
 - When you have entered all the characters, press [OK].
 - If your authentication method is Open System and your encryption mode is None, go to the next step.
- 7. The machine attempts to connect to the wireless device you have selected.

If your wireless device is connected successfully, the machine's LCD displays $[{\tt Connected}]$.

You have completed the wireless network setup. To install drivers and software necessary for operating your device, insert the Brother installation disc into your computer or go to your model's **Downloads** page on the Brother Solutions Center at support.brother.com.

✓

- Additional Methods of Configuring Your Brother Machine for a Wireless Network
- · How to Enter Text on Your Brother Machine
- · Wireless LAN Report Error Codes

Configure Your Machine for a Wireless Network When the SSID Is Not Broadcast

Before configuring your machine, we recommend writing down your wireless network settings. You will need this information before you continue with the configuration.

1. Check and write down the current wireless network settings.

Network	Name	(SSID)
---------	------	--------

Communication Mode	Authentication Method	Encryption Mode	Network Key
Infrastructure	Open System	NONE	-
		WEP	
	Shared Key	WEP	
	WPA/WPA2-PSK	AES	
		TKIP	

For example:

HELLO

Communication Mode	Authentication Method	Encryption Mode	Network Key
Infrastructure	WPA2-PSK	AES	12345678



If your router uses WEP encryption, enter the key used as the first WEP key. Your Brother machine supports the use of the first WEP key only.

2. Press [Settings] > [All Settings] > [Network] > [WLAN] > [Setup Wizard].



If your machine displays the [All Settings] menu on the Home screen, skip the [Settings] menu.

- 3. When [Enable WLAN?] appears, press [Yes].
 - This will start the wireless setup wizard. To cancel, press [No].
- 4. The machine will search for your network and display a list of available SSIDs. Swipe up or down or press ▲ or ▼ to display [<New SSID>]. Press [<New SSID>], and then press [OK].
- 5. Enter the SSID name, and then press [OK].
- 6. Press [Infrastructure] when instructed.
- 7. Select the Authentication Method.
- 8. Do one of the following:
 - If you selected the [Open System] option, press the Encryption type [None] or [WEP].
 If you selected the [WEP] option for Encryption type, select and enter the WEP key, and then press [OK].
 - If you selected the [Shared Key] option, select and enter the WEP key, and then press [OK].
 - If you selected the [WPA/WPA2-PSK] option, press the Encryption type [TKIP+AES] or [AES]. Enter the WPA key, and then press [OK].



- Your Brother machine supports the use of the first WEP key only.
- 9. The machine attempts to connect to the wireless device you have selected.

If your wireless device is connected successfully, the machine's LCD displays $[{\tt Connected}]$.

You have completed the wireless network setup. To install drivers and software necessary for operating your device, insert the Brother installation disc into your computer or go to your model's **Downloads** page on the Brother Solutions Center at support.brother.com.

✓

- Additional Methods of Configuring Your Brother Machine for a Wireless Network
- I Cannot Complete the Wireless Network Setup Configuration
- · How to Enter Text on Your Brother Machine
- · Wireless LAN Report Error Codes

▲ Home > Network > Additional Methods of Configuring Your Brother Machine for a Wireless Network > Configure Your Machine for an Enterprise Wireless Network

Configure Your Machine for an Enterprise Wireless Network

Before configuring your machine, we recommend writing down your wireless network settings. You will need this information before you continue with the configuration.

1. Check and record the current wireless network settings.

Network Name (SSID)	

Communication Mode	Authentication Method	Encryption Mode	User ID	Password
Infrastructure	LEAP	CKIP		
	EAP-FAST/NONE	AES		
		TKIP		
	EAP-FAST/MS-	AES		
	CHAPv2	TKIP		
	EAP-FAST/GTC	AES		
		TKIP		
	PEAP/MS-CHAPv2	AES		
		TKIP		
	PEAP/GTC EAP-TTLS/CHAP	AES		
		TKIP		
		AES		
		TKIP		
	EAP-TTLS/MS-CHAP EAP-TTLS/MS-CHAPv2	AES		
		TKIP		
		AES		
		TKIP		
	EAP-TTLS/PAP	AES		
		TKIP		
	EAP-TLS	AES		-
		TKIP		-

For example:

Network Name (SSID)	
HELLO	

Communication Mode	Authentication Method	Encryption Mode	User ID	Password
Infrastructure	EAP-FAST/MS- CHAPv2	AES	Brother	12345678



- If you configure your machine using EAP-TLS authentication, you must install the client certificate issued by a CA before you start configuration. Contact your network administrator about the client certificate. If you have installed more than one certificate, we recommend writing down the certificate name you want to use.
- If you verify your machine using the common name of the server certificate, we recommend writing down the common name before you start configuration. Contact your network administrator about the common name of the server certificate.
- 2. Press [Settings] > [All Settings] > [Network] > [WLAN] > [Setup Wizard].



If your machine displays the [All Settings] menu on the Home screen, skip the [Settings] menu.

- 3. When [Enable WLAN?] appears, press [Yes].
 - This will start the wireless setup wizard. To cancel, press [No].
- 4. The machine will search for your network and display a list of available SSIDs. Swipe up or down or press ▲ or ▼ to display [<New SSID>]. Press [<New SSID>], and then press [OK].
- 5. Enter the SSID name, and then press [OK].
- 6. Press [Infrastructure] when instructed.
- 7. Select the Authentication Method.
- 8. Do one of the following:
 - If you selected the [LEAP] option, enter the user ID, and then press [OK]. Enter the Password, and then press [OK].
 - If you selected the [EAP-FAST], [PEAP] or [EAP-TTLS] option, select the Inner Authentication method [NONE], [CHAP], [MS-CHAPV2], [GTC] or [PAP].



Depending on your Authentication method, the Inner Authentication method selections differ.

Select the encryption type [TKIP+AES] or [AES].

Select the verification method [No Verification], [CA] or [CA + Server ID].

- If you selected the [CA + Server ID] option, enter the server ID, user ID and password (if required), and then press [OK] for each option.
- For other selections, enter the user ID and Password, and then press [OK] for each option.



If you have not imported a CA certificate into your machine, the machine displays [No Verification].

- If you selected the [EAP-TLS] option, select the encryption type [TKIP+AES] or [AES].
 - The machine will display a list of available Client Certificates, and then select the certificate.
 - Select the verification method [No Verification], [CA] or [CA + Server ID].
 - If you selected the [CA + Server ID] option, enter the server ID and user ID, and then press [OK] for each option.
 - For other selections, enter the user ID, and then press [OK].



If you have not imported a CA certificate into your machine, the machine displays [No Verification].

9. The machine attempts to connect to the wireless device you have selected.

If your wireless device is connected successfully, the machine's LCD displays [Connected].

You have completed the wireless network setup. To install drivers and software necessary for operating your device, insert the Brother installation disc into your computer or go to your model's **Downloads** page on the Brother Solutions Center at <u>support.brother.com</u>.



Related Information

Additional Methods of Configuring Your Brother Machine for a Wireless Network

• Wireless LAN Report Error Codes

▲ Home > Network > Additional Methods of Configuring Your Brother Machine for a Wireless Network > Use Wi-Fi Direct®

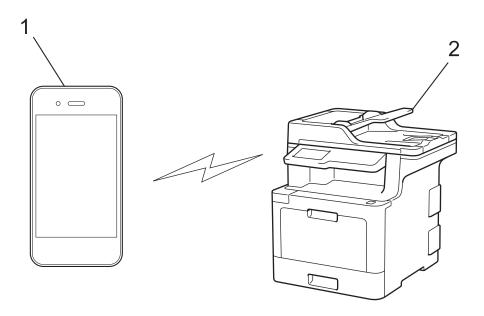
Use Wi-Fi Direct®

- Print or Scan from Your Mobile Device Using Wi-Fi Direct
- Configure Your Wi-Fi Direct Network
- I Cannot Complete the Wireless Network Setup Configuration

▲ Home > Network > Additional Methods of Configuring Your Brother Machine for a Wireless Network > Use Wi-Fi Direct® > Print or Scan from Your Mobile Device Using Wi-Fi Direct

Print or Scan from Your Mobile Device Using Wi-Fi Direct

Wi-Fi Direct is one of the wireless configuration methods developed by the Wi-Fi Alliance[®]. It allows you to configure a secured wireless network between your Brother machine and a mobile device, such as an Android device, Windows device, iPhone, iPod touch, or iPad, without using an access point. Wi-Fi Direct supports wireless network configuration using the one-push or PIN Method of Wi-Fi Protected Setup (WPS). You can also configure a wireless network by manually setting an SSID and password. Your Brother machine's Wi-Fi Direct feature supports WPA2[™] security with AES encryption.



- 1. Mobile device
- 2. Your Brother machine



- Although the Brother machine can be used in both a wired and wireless network, only one connection
 method can be used at a time. However, a wireless network connection and Wi-Fi Direct connection, or
 a wired network connection (supported models only) and Wi-Fi Direct connection can be used at the
 same time.
- The Wi-Fi Direct-supported device can become a Group Owner (G/O). When configuring the Wi-Fi Direct network, the G/O serves as an access point.

4

Related Information

Use Wi-Fi Direct[®]

▲ Home > Network > Additional Methods of Configuring Your Brother Machine for a Wireless Network > Use Wi-Fi Direct® > Configure Your Wi-Fi Direct Network

Configure Your Wi-Fi Direct Network

Configure your Wi-Fi Direct network settings from your machine's control panel.

- Wi-Fi Direct Network Configuration Overview
- Configure Your Wi-Fi Direct Network Using the One-Push Method
- Configure Your Wi-Fi Direct Network Using the One-Push Method of Wi-Fi Protected Setup[™] (WPS)
- Configure Your Wi-Fi Direct Network Using the PIN Method
- Configure Your Wi-Fi Direct Network Using the PIN Method of Wi-Fi Protected Setup[™]
 (WPS)
- Configure Your Wi-Fi Direct Network Manually

■ Home > Network > Additional Methods of Configuring Your Brother Machine for a Wireless Network > Use Wi-Fi Direct® > Configure Your Wi-Fi Direct Network > Wi-Fi Direct Network Configuration Overview

Wi-Fi Direct Network Configuration Overview

The following instructions offer five methods for configuring your Brother machine in a wireless network environment. Select the method you prefer for your environment:

Check your mobile device for configuration.

1. Does your mobile device support Wi-Fi Direct?

Option	Description
Yes	Go to Step 2
No	Go to Step 3

2. Does your mobile device support one-push configuration for Wi-Fi Direct?

Option	Description
Yes	See <i>Related Information</i> : Configure Your Wi-Fi Direct Network Using the One-Push Method.
No	See Related Information: Configure Your Wi-Fi Direct Network Using the PIN Method.

3. Does your mobile device support Wi-Fi Protected Setup[™] (WPS)?

Option	Description
Yes	Go to Step 4
No	See Related Information: Configure Your Wi-Fi Direct Network Manually.

4. Does your mobile device support one-push configuration for Wi-Fi Protected Setup[™] (WPS)?

Option	Description
Yes	See <i>Related Information</i> : Configure Your Wi-Fi Direct Network Using the One-Push Method of Wi-Fi Protected Setup [™] (WPS).
No	See <i>Related Information</i> : Configure Your Wi-Fi Direct Network Using the PIN Method of Wi-Fi Protected Setup [™] (WPS).

To use Brother iPrint&Scan functionality in a Wi-Fi Direct network configured by one-push configuration using Wi-Fi Direct or by PIN Method configuration using Wi-Fi Direct, the device you use to configure Wi-Fi Direct must be running Android [™] 4.0 or greater.

- · Configure Your Wi-Fi Direct Network
- · Configure Your Wi-Fi Direct Network Using the One-Push Method
- Configure Your Wi-Fi Direct Network Using the One-Push Method of Wi-Fi Protected Setup[™] (WPS)
- · Configure Your Wi-Fi Direct Network Using the PIN Method
- Configure Your Wi-Fi Direct Network Using the PIN Method of Wi-Fi Protected Setup[™] (WPS)
- · Configure Your Wi-Fi Direct Network Manually

▲ Home > Network > Additional Methods of Configuring Your Brother Machine for a Wireless Network > Use Wi-Fi Direct[®] > Configure Your Wi-Fi Direct Network > Configure Your Wi-Fi Direct Network Using the One-Push Method

Configure Your Wi-Fi Direct Network Using the One-Push Method

If your mobile device supports Wi-Fi Direct, follow these steps to configure a Wi-Fi Direct network:



When the machine receives the Wi-Fi Direct request from your mobile device, the message [Wi-Fi Direct connection request received. Press [OK] to connect.] will appear on the LCD. Press [OK] to connect.

1. Press | [Settings] > [All Settings] > [Network] > [Wi-Fi Direct] > [Push Button].



If your machine displays the [All Settings] menu on the Home screen, skip the [Settings] menu.

2. Activate Wi-Fi Direct on your mobile device (see your mobile device's user's guide for instructions) when [Activate Wi-Fi Direct on other device. Then Press [OK].] appears on the machine's LCD. Press [OK] on your machine.

This will start the Wi-Fi Direct setup. To cancel, press



- 3. Do one of the following:
 - When your Brother machine is the Group Owner (G/O), connect your mobile device to the machine directly.
 - When your Brother machine is not the G/O, it displays available device names with which to configure a Wi-Fi Direct network. Select the mobile device you want to connect to. Search for available devices again by pressing [Rescan].
- 4. If your mobile device connects successfully, the machine's LCD displays [Connected]. You have completed the Wi-Fi Direct network setup. The Mobile Print/Scan Guide for Brother iPrint&Scan contains information on printing from or scanning to your mobile device. Go to your model's **Manuals** page on the Brother Solutions Center at support.brother.com to see the guide.

- · Configure Your Wi-Fi Direct Network
- Wi-Fi Direct Network Configuration Overview

Configure Your Wi-Fi Direct Network Using the One-Push Method of Wi-Fi Protected Setup[™] (WPS)

If your mobile device supports WPS (PBC: Push Button Configuration), follow these steps to configure a Wi-Fi Direct network:



When the machine receives the Wi-Fi Direct request from your mobile device, the message [Wi-Fi Direct connection request received. Press [OK] to connect.] will appear on the LCD. Press [OK] to connect.

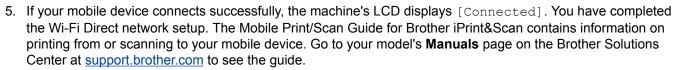
1. Press 🔐 [Settings] > [All Settings] > [Network] > [Wi-Fi Direct] > [Group Owner].



If your machine displays the [All Settings] menu on the Home screen, skip the [Settings] menu.

- 2. Press [On].
- 3. Swipe up or down or press ▲ or ▼ to select the [Push Button] option. Press [Push Button].
- 4. Activate your mobile device's WPS one-push configuration method (see your mobile device's user's guide for instructions) when [Activate Wi-Fi Direct on other device. Then Press [OK].] appears on the machine's LCD. Press [OK] on your Brother machine.

This will start the Wi-Fi Direct setup. To cancel, press



- · Configure Your Wi-Fi Direct Network
- · Wi-Fi Direct Network Configuration Overview

▲ Home > Network > Additional Methods of Configuring Your Brother Machine for a Wireless Network > Use Wi-Fi Direct[®] > Configure Your Wi-Fi Direct Network > Configure Your Wi-Fi Direct Network Using the PIN Method

Configure Your Wi-Fi Direct Network Using the PIN Method

If your mobile device supports the PIN Method of Wi-Fi Direct, follow these steps to configure a Wi-Fi Direct network:



When the machine receives the Wi-Fi Direct request from your mobile device, the message [Wi-Fi Direct connection request received. Press [OK] to connect.] will appear on the LCD. Press [OK] to connect.

1. Press [Settings] > [All Settings] > [Network] > [Wi-Fi Direct] > [PIN Code].



If your machine displays the [All Settings] menu on the Home screen, skip the [Settings] menu.

2. Activate Wi-Fi Direct on your mobile device (see your mobile device's user's guide for instructions) when [Activate Wi-Fi Direct on other device. Then Press [OK].] appears on the machine's LCD. Press [OK] on your machine.

This will start the Wi-Fi Direct setup. To cancel, press



- 3. Do one of the following:
 - When your Brother machine is the Group Owner (G/O), it will wait for a connection request from your mobile device. When [PIN Code] appears, enter the PIN displayed on your mobile device in the machine. Press [OK] to complete the setup.
 - If the PIN is displayed on your Brother machine, enter the PIN in your mobile device.
 - When your Brother machine is not the G/O, it displays available device names with which to configure a Wi-Fi Direct network. Select the mobile device you want to connect to. Search for available devices again by pressing [Rescan].
- 4. Do one of the following:
 - Press [Display PIN Code] to display the PIN on your machine and enter the PIN in your mobile device. Go to the next step.
 - Press [Input PIN Code] to enter the PIN displayed on your mobile device in the machine, and then press [OK]. Go to the next step.
 - If your mobile device does not display a PIN, press on your Brother machine. Go back to the first step and try again.
- 5. If your mobile device connects successfully, the machine's LCD displays [Connected]. You have completed the Wi-Fi Direct network setup. The Mobile Print/Scan Guide for Brother iPrint&Scan contains information on printing from or scanning to your mobile device. Go to your model's **Manuals** page on the Brother Solutions Center at support.brother.com to see the guide.

- Configure Your Wi-Fi Direct Network
- · Wi-Fi Direct Network Configuration Overview

▲ Home > Network > Additional Methods of Configuring Your Brother Machine for a Wireless Network > Use Wi-Fi Direct® > Configure Your Wi-Fi Direct Network > Configure Your Wi-Fi Direct Network Using the PIN Method of Wi-Fi Protected Setup[™] (WPS)

Configure Your Wi-Fi Direct Network Using the PIN Method of Wi-Fi Protected Setup[™] (WPS)

If your mobile device supports the PIN Method of Wi-Fi Protected Setup™ (WPS), follow these steps to configure a Wi-Fi Direct network:



When the machine receives the Wi-Fi Direct request from your mobile device, the message [Wi-Fi Direct connection request received. Press [OK] to connect.] will appear on the LCD. Press [OK] to connect.

[Settings] > [All Settings] > [Network] > [Wi-Fi Direct] > [Group Owner].



If your machine displays the [All Settings] menu on the Home screen, skip the [Settings] menu.

- 2. Press [On].
- 3. Swipe up or down or press ▲ or ▼ to select the [PIN Code] option. Press [PIN Code].
- 4. When [Activate Wi-Fi Direct on other device. Then Press [OK].] appears, activate your mobile device's WPS PIN configuration method (see your mobile device's user's guide for instructions) and then press [OK] on your Brother machine.

This will start the Wi-Fi Direct setup. To cancel, press



- 5. The machine will wait for a connection request from your mobile device. When [PIN Code] appears, enter the PIN displayed on your mobile device in to the machine. Press [OK].
- 6. If your mobile device connects successfully, the machine's LCD displays [Connected]. You have completed the Wi-Fi Direct network setup. The Mobile Print/Scan Guide for Brother iPrint&Scan contains information on printing from or scanning to your mobile device. Go to your model's Manuals page on the Brother Solutions Center at <u>support.brother.com</u> to see the guide.

- · Configure Your Wi-Fi Direct Network
- Wi-Fi Direct Network Configuration Overview

■ Home > Network > Additional Methods of Configuring Your Brother Machine for a Wireless Network > Use Wi-Fi Direct® > Configure Your Wi-Fi Direct Network > Configure Your Wi-Fi Direct Network Manually

Configure Your Wi-Fi Direct Network Manually

If your mobile device does not support Wi-Fi Direct or WPS, you must configure a Wi-Fi Direct network manually.



When the machine receives the Wi-Fi Direct request from your mobile device, the message [Wi-Fi Direct connection request received. Press [OK] to connect.] will appear on the LCD. Press [OK] to connect.

1. Press [Settings] > [All Settings] > [Network] > [Wi-Fi Direct] > [Manual].



If your machine displays the [All Settings] menu on the Home screen, skip the [Settings] menu.

- 2. The machine will display the SSID name and Password for two minutes. Go to your mobile device's wireless network settings screen, select the SSID name, and then enter the password.
- 3. If your mobile device connects successfully, the machine's LCD displays [Connected]. You have completed the Wi-Fi Direct network setup. The Mobile Print/Scan Guide for Brother iPrint&Scan contains information on printing from or scanning to your mobile device. Go to your model's **Manuals** page on the Brother Solutions Center at support.brother.com to see the guide.

- Configure Your Wi-Fi Direct Network
- · Wi-Fi Direct Network Configuration Overview

▲ Home > Network > Advanced Network Features

Advanced Network Features

- Print the Network Configuration Report
- Configure Your Mail Server Settings Using Web Based Management
- Configure the Brother Machine for Email or Internet Fax (I-Fax)
- I-Fax Options
- Use the Send Fax to Server Feature
- Print the WLAN Report
- Configure and Operate LDAP Search
- Synchronize Time with the SNTP Server Using Web Based Management

▲ Home > Network > Advanced Network Features > Print the Network Configuration Report

Print the Network Configuration Report

The Network Configuration Report lists the network configuration, including the network print server settings.



- Node Name: The Node Name appears on the current Network Configuration Report. The default Node Name is "BRNxxxxxxxxxxx" for a wired network or "BRWxxxxxxxxxxx" for a wireless network (where "xxxxxxxxxxxx" is your machine's MAC Address / Ethernet Address.)
- If the [IP Address] on the Network Configuration Report shows 0.0.0.0, wait for one minute and try printing it again.
- You can find your machine's settings, such as the IP address, subnet mask, node name, and MAC Address on the report, for example:

- IP address: 192.168.0.5

Subnet mask: 255.255.255.0
 Node name: BRN000ca0000499
 MAC Address: 00-0c-a0-00-04-99

1. Press [Settings] > [All Settings] > [Print Reports] > [Network Configuration].



If your machine displays the [All Settings] menu on the Home screen, skip the [Settings] menu.

- 2. Press [Yes].
- 3. Press



- Advanced Network Features
- · Where Can I Find My Brother Machine's Network Settings?
- Use the Network Connection Repair Tool (Windows)
- I Want to Check that My Network Devices are Working Correctly
- Access Web Based Management
- Configure the Gigabit Ethernet Settings Using Web Based Management

▲ Home > Network > Advanced Network Features > Configure Your Mail Server Settings Using Web Based Management

Configure Your Mail Server Settings Using Web Based Management

Use Web Based Management to configure your Brother machine to connect with your mail server.

- 1. Start your web browser.
- 2. Type "http://machine's IP address" in your browser's address bar (where "machine's IP address" is the machine's IP address).

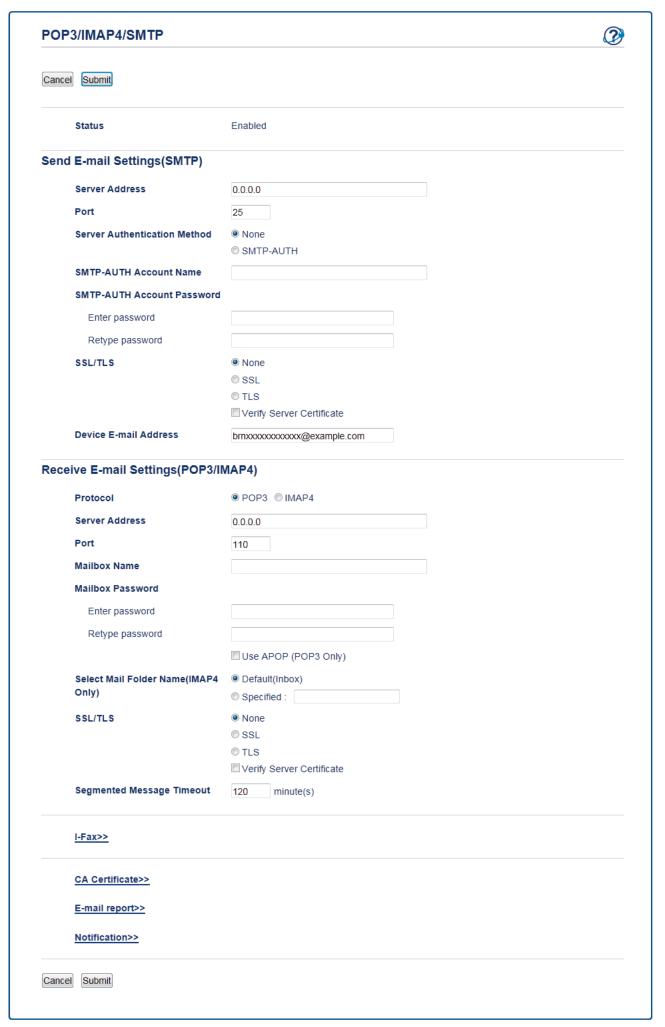
For example:

http://192.168.1.2

3. No password is required by default. Type a password if you have set one, and then click



- 4. Click the Network tab.
- 5. Click the **Protocol** menu in the left navigation bar.
- 6. In the POP3/IMAP4/SMTP field, click Advanced Settings and make sure the Status is Enabled.



- 7. Select the mail server you want to configure.
- 8. Enter the necessary settings for the mail server.



If you select the **IMAP4** option, you must enter the full path of the mail folder using single byte characters only, and then enter "Inbox" for the root mail folder.

9. When finished, click Submit.

The Test Send/Receive E-mail Configuration dialog box appears.

10. Follow the instructions in the dialog box to test the current settings.



Related Information

· Advanced Network Features

■ Home > Network > Advanced Network Features > Configure the Brother Machine for Email or Internet Fax (I-Fax)

Configure the Brother Machine for Email or Internet Fax (I-Fax)

Before using I-Fax, configure your Brother machine to communicate with your network and mail server. You can configure these items using the machine's control panel, Web Based Management, Remote setup, or BRAdmin Professional. Make sure the following items are configured on your machine:

- IP address (If you are already using your machine on your network, the machine's IP address has been configured correctly.)
- Email address
- SMTP, POP3, IMAP4 server address/port/Authentication method/Encryption method/Server Certificate Verification
- · Mailbox name and password

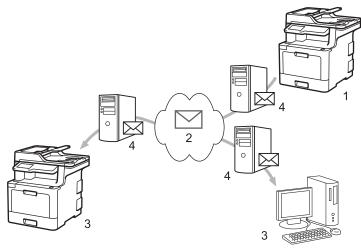
If you are unsure of any of these items, contact your system administrator.

- · Advanced Network Features
- Fax Using the Internet (I-Fax)
- Initial Setup for Email or Internet Fax (I-Fax)
- Send an Internet Fax (I-Fax)
- How Your Brother Machine Receives an Internet Fax (I-Fax)
- · Poll the Server Manually
- · How Your Computer Receives an I-Fax
- · Relay Broadcast

■ Home > Network > Advanced Network Features > Configure the Brother Machine for Email or Internet Fax (I-Fax) > Fax Using the Internet (I-Fax)

Fax Using the Internet (I-Fax)

With Internet Fax (I-Fax), you can send and receive fax documents using the Internet as the transport mechanism. Documents are transmitted in email messages as attached TIFF-F files. Your computer can send and receive documents as long as it has an application that can generate and view TIFF-F files. You can use any TIFF-F viewer application. Documents sent via the machine will be converted into a TIFF-F format automatically. If you want to send and receive messages to and from your machine, your computer's email application must support Multipurpose Internet Mail Extensions (MIME).



- 1. Sender
- 2. Internet
- 3. Receiver
- 4. Email server



I-Fax supports sending and receiving documents in Letter or A4 format and in monochrome only.

- Configure the Brother Machine for Email or Internet Fax (I-Fax)
- Important Information about Internet Fax (I-Fax)

■ Home > Network > Advanced Network Features > Configure the Brother Machine for Email or Internet Fax (I-Fax) > Fax Using the Internet (I-Fax) > Important Information about Internet Fax (I-Fax)

Important Information about Internet Fax (I-Fax)

I-Fax communication on a LAN is very similar to communication via email; however, it is different from fax communication using standard phone lines. The following is important information for using I-Fax:

- Factors such as the receiver's location, structure of the LAN and how busy the circuit (such as the Internet) is may cause the system to take a longer time than usual to send an error mail.
- When sending confidential documents, we recommend using standard phone lines instead of the Internet (due to its low level of security).
- If the receiver's mail system is not MIME-compatible, you cannot use I-Fax to send documents. If possible, find out in advance, and note that some servers will not send an error reply.
- If a document is too large to send via I-Fax, it may not reach the receiver.
- You cannot change the font or size of the text in any Internet mail you receive.

Related Information

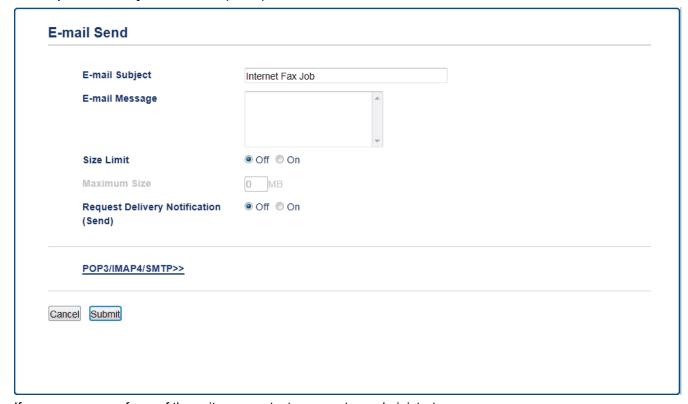
Fax Using the Internet (I-Fax)

■ Home > Network > Advanced Network Features > Configure the Brother Machine for Email or Internet Fax (I-Fax) > Initial Setup for Email or Internet Fax (I-Fax)

Initial Setup for Email or Internet Fax (I-Fax)

Before sending your I-Fax, use the control panel, Web Based Management, or Remote Setup to configure the following optional items:

- E-mail Subject
- · E-mail Message
- Size Limit
- Request Delivery Notification (Send)



If you are unsure of any of these items, contact your system administrator.

Related Information

Configure the Brother Machine for Email or Internet Fax (I-Fax)

■ Home > Network > Advanced Network Features > Configure the Brother Machine for Email or Internet Fax (I-Fax) > Send an Internet Fax (I-Fax)

Send an Internet Fax (I-Fax)

Sending an I-Fax is like sending a normal fax. Make sure that your recipient's information is saved in your email address book, and load the document you want to I-Fax into your Brother machine.



- If the computer to which you want to send a document is not running Windows Server 2008/2012/2012 R2/2016, Windows 7, Windows 8, or Windows 10, ask the computer's owner to install software that can view TIFF files.
- To send multiple pages, use the ADF.
- 1. Load your document.
- 2. Do one of the following:
 - If Fax Preview is set to [Off], press [Fax].
 - If Fax Preview is set to [On], press [Fax], and then press [Sending Faxes].
- 3. To change the fax-sending settings, press [Options].
- 4. Swipe up or down or press ▲ or ▼ to scroll through the fax settings. When the setting you want appears, press it and select your preference. When you have finished changing settings, press <code>[OK]</code>. (If the <code>[OK]</code> button is displayed.)
- 5. Do one of the following:
 - Press , and then enter the email address using the touchscreen.
 - Press [Address Book], select the email address of your recipient, and then press [Apply].
- 6. Press [Fax Start].

The machine starts scanning. After the document is scanned, it is transmitted to the recipient via your SMTP server. You can cancel the send operation by pressing X during scanning.

7. Press .



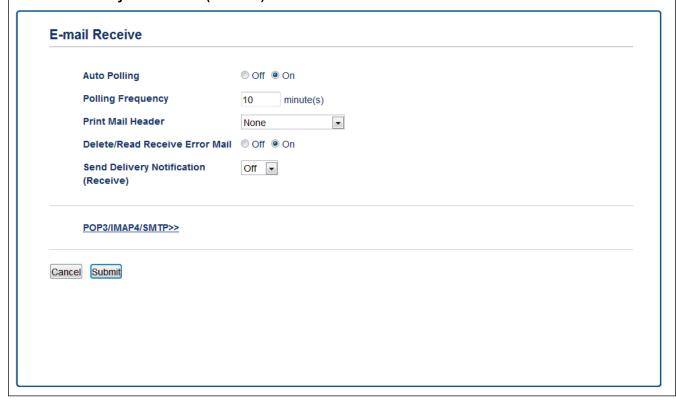
• Configure the Brother Machine for Email or Internet Fax (I-Fax)

■ Home > Network > Advanced Network Features > Configure the Brother Machine for Email or Internet Fax (I-Fax) > How Your Brother Machine Receives an Internet Fax (I-Fax)

How Your Brother Machine Receives an Internet Fax (I-Fax)

When your Brother machine receives an incoming I-Fax, it will print the I-Fax automatically. To receive an I-Fax, we recommend using the control panel or Web Based Management to configure the following optional items:

- Auto Polling
- Polling Frequency
- · Print Mail Header
- Delete/Read Receive Error Mail
- Send Delivery Notification (Receive)



There are two ways you can receive email messages:

- POP3/IMAP4 receiving at regular intervals
- POP3/IMAP4 receiving, manually initiated

When using POP3/IMAP4 receiving, the machine polls your email server to receive data. Polling can occur at set intervals (for example, you can configure the machine to poll the email server every ten minutes) or you can manually poll the server.



- If your machine starts to receive email data, the LCD displays [Receiving]. The email will be printed automatically.
- If your machine is out of paper when receiving data, the received data will be held in the machine's memory. This data will be printed automatically after paper is reloaded in the paper tray.
- When the machine's Temporary Fax Backup Function is turned on, received data will be stored for a certain period of time.
- If the received mail is not in a plain text format, or an attached file is not in the TIFF-F format, the error message "ATTACHED FILE FORMAT NOT SUPPORTED" will be printed.
- If the received mail is too large, the error message "E-MAIL FILE TOO LARGE" will be printed.
- If Delete/Read Receive Error Mail is On (default), then the error mail will be deleted from the email server automatically.

- Configure the Brother Machine for Email or Internet Fax (I-Fax)
- How Your Computer Receives an I-Fax

▲ Home > Network > Advanced Network Features > Configure the Brother Machine for Email or Internet Fax (I-Fax) > Poll the Server Manually

Poll the Server Manually

1. Press [Settings] > [All Settings] > [Network] > [E-mail/IFAX] > [Manual Receive].



If your machine displays the [All Settings] menu on the Home screen, skip the [Settings] menu.

- 2. Press [Yes] to confirm.
- 3. The LCD displays [Receiving] and your machine will print the data from the email server.

Related Information

• Configure the Brother Machine for Email or Internet Fax (I-Fax)

■ Home > Network > Advanced Network Features > Configure the Brother Machine for Email or Internet Fax (I-Fax) > How Your Computer Receives an I-Fax

How Your Computer Receives an I-Fax

When your computer receives an I-Fax, you will receive an email in your email application. The incoming I-Fax is attached to an email message that notifies you in its **Subject** line that your email server has received an I-Fax. You can either wait for your Brother machine to poll the email server, or you can manually poll the email server to receive the incoming data.

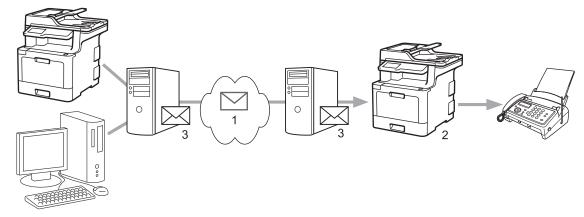
V

- Configure the Brother Machine for Email or Internet Fax (I-Fax)
- · How Your Brother Machine Receives an Internet Fax (I-Fax)

▲ Home > Network > Advanced Network Features > Configure the Brother Machine for Email or Internet Fax (I-Fax) > Relay Broadcast

Relay Broadcast

A Relay Broadcast is when your Brother machine receives a message over the Internet and then relays it to another fax machine using conventional telephone lines. If you must fax a document over a long distance or abroad, use the Relay Broadcast Function to save the communication fee.



- 1. The Internet
- 2. Telephone line
- Email server

Use the Brother machine's control panel or Web Based Management to configure the following items:

Relay Broadcast Function
 Set the Relay Broadcast Function to On.

Relay Domain

Configure your machine's domain name on the machine that will broadcast the document to the conventional fax machine. If you wish to use your machine as a relay broadcast device, you must specify the trusted domain name (the portion of the name after the "@" sign) at the machine. Use care in selecting a trusted domain: any user on a trusted domain will be able to send a relay broadcast. You can register up to ten domain names.

· Relay Broadcast Report

Specify whether or not you want a report to print after the machine completes the relay broadcast.

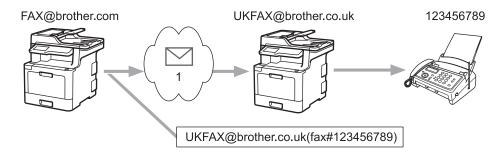
Relay Broadcast Function	● Off On	
Relay Domain		
Relay Broadcast Report	● Off ○ On	

- Configure the Brother Machine for Email or Internet Fax (I-Fax)
- Relay Broadcast from Your Brother Machine
- Relay Broadcast from Your Computer

▲ Home > Network > Advanced Network Features > Configure the Brother Machine for Email or Internet Fax (I-Fax) > Relay Broadcast > Relay Broadcast from Your Brother Machine

Relay Broadcast from Your Brother Machine

Use the Relay Broadcast Function to send email from your machine to a conventional fax machine.

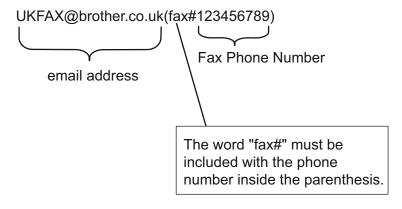


1. The Internet

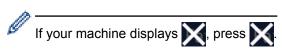
In this example, your machine's email address is FAX@brother.com and you want to send a document from your machine to a standard fax machine in England with the email address UKFAX@brother.co.uk, and you want your machine to send the document using a conventional telephone line.

- 1. Load your document.
- 2. Do one of the following:
 - If Fax Preview is set to [Off], press [Fax].
 - If Fax Preview is set to [On], press [Fax], and then press [Sending Faxes].
- 3. Press [Options].
- 4. Swipe up or down or press ▲ or ▼ to display the [Broadcasting] option.
- 5. Press [Broadcasting].
- 6. Press [Add Number].
- 7. You can add email addresses to the broadcast in the following ways:
 - Press [Add Number] and press , enter the email address and press [OK].
 - Press [Add from Address book]. Press the check box of the email address you want to add to the broadcast. After you have selected all the email addresses you want, press [OK].
 - Press [Search in Address book]. Enter the name and press [OK]. The search results will be displayed. Press the name and then press the email address you want to add to the broadcast.

The following is an example of how to enter the email address and phone number:



After you have entered all of the fax numbers, press [OK].



8. Press [Fax Start].



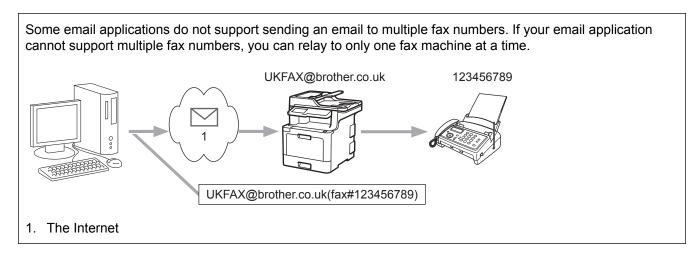
Related Information

Relay Broadcast

■ Home > Network > Advanced Network Features > Configure the Brother Machine for Email or Internet Fax (I-Fax) > Relay Broadcast > Relay Broadcast from Your Computer

Relay Broadcast from Your Computer

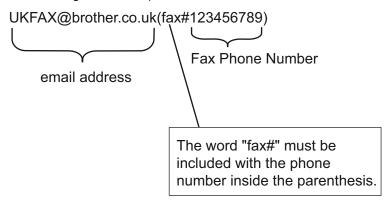
Use the Relay Broadcast Function to send email from your computer to a conventional fax machine.



If you are sending an email to a conventional fax machine, the method of entering the fax machine's fax number will vary, depending on the mail application you are using.

1. In your email application, create a new mail message and type the email address of the relay machine and fax number of the first fax machine in the "TO" box.

The following is an example of how to enter the email address and fax number:





For Microsoft Outlook, the address information must be entered into the address book as follows:

Name: fax#123456789

Email address: UKFAX@brother.co.uk

- 2. Type the email address of the relay machine and fax number of the second fax machine in the "TO" box.
- 3. Send the email.

Related Information

· Relay Broadcast

▲ Home > Network > Advanced Network Features > I-Fax Options

I-Fax Options

- Internet Fax (I-Fax) Verification Mail
- I-Fax Error Mail

▲ Home > Network > Advanced Network Features > I-Fax Options > Internet Fax (I-Fax) Verification Mail

Internet Fax (I-Fax) Verification Mail

- Verification Mail for sending allows you to request notification from the receiving station where your I-Fax or email was received and processed.
- Verification Mail for receiving allows you to transmit a default report back to the sending station after successfully receiving and processing an I-Fax or email.

To use this feature, set the [Notification] options in the [Setup Mail RX] and [Setup Mail TX] options of your Brother machine's control panel menu.

V

- I-Fax Options
- · Enable Send Notifications for TX Verification Mail
- Enable Receive Notification for TX Verification Mail

▲ Home > Network > Advanced Network Features > I-Fax Options > Internet Fax (I-Fax) Verification Mail > Enable Send Notifications for TX Verification Mail

Enable Send Notifications for TX Verification Mail

Press [Settings] > [All Settings] > [Network] > [E-mail/IFAX] > [Setup Mail TX] > [Notification].



If your machine displays the $[{\tt All Settings}]$ menu on the Home screen, skip the $[{\tt Settings}]$ menu.

2. Select [On] or [Off] to enable or disable the Send Notification feature.

When Send Notification is On, the fax includes an additional field, named Message Disposition Notification (MDN), that contains message delivery information. By default, Send Notification is set to Off.



Your fax recipient's machine must support the MDN field in order to send a notification report.

3. Press



Related Information

· Internet Fax (I-Fax) Verification Mail

■ Home > Network > Advanced Network Features > I-Fax Options > Internet Fax (I-Fax) Verification Mail > Enable Receive Notification for TX Verification Mail

Enable Receive Notification for TX Verification Mail

Press [Settings] > [All Settings] > [Network] > [E-mail/IFAX] > [Setup Mail RX] > [Notification].



If your machine displays the $[{\tt All Settings}]$ menu on the Home screen, skip the $[{\tt Settings}]$ menu.

2. Press one of the three possible settings:

Option	Description	
Receive Notification on	When Receive Notification is On, a template is sent back to the sender to indicate successful reception and processing of the message.	
	These templates depend on the operation requested by the sender.	
	Example:	
	SUCCESS: Received From <mail address=""></mail>	
Receive Notification MDN	When Receive Notification is MDN, a report to indicate successful reception and processing is sent back to the sender if the originating station sent a request confirmation to the MDN (Message Disposition Notification) field.	
Receive Notification Off	When Receive Notification is Off, all forms of receive notification are disabled and no message is sent back to the sender regardless of the request.	



- To send TX Verification Mail, the Sender must configure these settings:
 - Switch [Notification] in [Setup Mail TX] to [On].
 - Switch [Header] in [Setup Mail RX] to [All] or [Subject+From+To].
- To receive TX Verification Mail, the Receiver must configure these settings:
 - Switch [Notification] in [Setup Mail RX] to [On].
- 3. Press



Related Information

• Internet Fax (I-Fax) Verification Mail

▲ Home > Network > Advanced Network Features > I-Fax Options > I-Fax Error Mail

I-Fax Error Mail

If there is a delivery error while sending an I-Fax, the mail server will send an error message back to the Brother machine and the error message will be printed.

If there is an error while receiving an I-Fax, an error message will be printed, for example, "The message being sent to the machine was not in a TIFF format."

To receive the error mail and have it print on your machine, in [Setup Mail RX], switch the [Header] option to [All] or to [Subject+From+To].



Related Information

I-Fax Options

▲ Home > Network > Advanced Network Features > Use the Send Fax to Server Feature

Use the Send Fax to Server Feature

The Fax to Server feature allows the machine to scan a document and send it over the network to a separate fax server. The document will then be sent from the server as fax data to the destination fax number over standard phone lines. When the Fax to Server feature is set to On, all automatic fax transmissions from the machine will be sent to the fax server for fax transmission.

You can send a fax directly from the machine using the manual fax feature when the Send to Server feature is on.

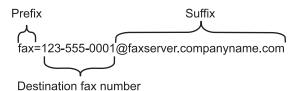
4

- · Advanced Network Features
- · Before Sending a Fax to the Fax Server
- · Enable Fax to Server
- · Operate Fax to Server

■ Home > Network > Advanced Network Features > Use the Send Fax to Server Feature > Before Sending a Fax to the Fax Server

Before Sending a Fax to the Fax Server

To send a document to the fax server, the correct syntax for that server must be used. The destination fax number must be sent with a prefix and a suffix that match the parameters used by the fax server. In most cases, the syntax for the prefix is "fax=" and the syntax for the suffix would be the domain name of the fax server email gateway. The suffix must also include the "@" symbol at the beginning of the suffix. The prefix and the suffix information must be stored in the machine before you can use the Fax to server function. Destination fax numbers can be saved in the address book or entered using the dial pad (up to 40-digit numbers). For example: if you wanted to send a document to a destination fax number of 123-555-0001, use the following syntax:





Your fax server application must support an email gateway.

Related Information

· Use the Send Fax to Server Feature

■ Home > Network > Advanced Network Features > Use the Send Fax to Server Feature > Enable Fax to Server

Enable Fax to Server

- Store the prefix/suffix address for the fax server in your Brother machine.
- 1. Press [Settings] > [All Settings] > [Network] > [Fax to Server].



If your machine displays the [All Settings] menu on the Home screen, skip the [Settings] menu.

- 2. Press [Fax to Server].
- 3. Press [On].
- 4. Press [Prefix].
- 5. Enter the prefix using the touchscreen, and then press [OK].
- 6. Press [Suffix].
- 7. Enter the suffix using the touchscreen, and then press [OK].
- 8. Press

✓

Related Information

· Use the Send Fax to Server Feature

■ Home > Network > Advanced Network Features > Use the Send Fax to Server Feature > Operate Fax to Server

Operate Fax to Server

- 1. Place the document in the ADF or on the scanner glass.
- 2. Enter the fax number.
- 3. Press [Fax Start].

The machine will send the message over a TCP/IP network to the fax server.



Related Information

• Use the Send Fax to Server Feature

▲ Home > Network > Advanced Network Features > Print the WLAN Report

Print the WLAN Report

The WLAN Report reflects your machine's wireless status. If the wireless connection fails, check the error code on the printed report.

1. Press [Settings] > [All Settings] > [Print Reports] > [WLAN Report].



If your machine displays the [All Settings] menu on the Home screen, skip the [Settings] menu.

2. Press [Yes].

The machine will print the WLAN Report.

3. Press

If the WLAN Report does not print, check your machine for errors. If there are no visible errors, wait for one minute and then try to print the report again.

- · Advanced Network Features
- · Wireless LAN Report Error Codes
- · My Brother Machine Cannot Print, Scan, or PC-FAX Receive over the Network
- I Want to Check that My Network Devices are Working Correctly

▲ Home > Network > Advanced Network Features > Print the WLAN Report > Wireless LAN Report Error Codes

Wireless LAN Report Error Codes

If the Wireless LAN Report shows that the connection failed, check the error code on the printed report and see the corresponding instructions in the table:

Error Code	Problem and Recommended Solutions
TS-01	The wireless setting is not activated, change the wireless setting to ON.
	If a network cable is connected to your machine, disconnect it and change the wireless setting of your machine to ON.
TS-02	The wireless access point/router cannot be detected.
	1. Check the following two points:
	 Unplug the power to your wireless access point/router, wait for 10 seconds, and then plug it back in.
	 If your WLAN access point/router is using MAC address filtering, confirm that the MAC address of the Brother machine is allowed in the filter.
	2. If you manually entered the SSID and security information (SSID/authentication method/encryption method/Network Key), the information may be incorrect.
	Reconfirm the SSID and security information and re-enter the correct information as necessary.
	This device does not support a 5 GHz SSID/ESSID and you must select a 2.4 GHz SSID/ ESSID. Make sure the access point/router is set to 2.4 GHz or 2.4 GHz/5 GHz mixed mode.
TS-03	The wireless network and security setting you entered may be incorrect. Reconfirm the wireless network settings.
	If you do not know this information, ask your network administrator.
TS-04	The Authentication/Encryption methods used by the selected wireless access point/router are not supported by your machine.
	Change the authentication and encryption method of the wireless access point/router. Your machine supports the following authentication methods:
	WPA-Personal
	TKIP or AES
	WPA2-Personal
	TKIP or AES
	• Open
	WEP or None (without encryption)
	Shared key
	WEP
	If your problem is not solved, the SSID or network settings you entered may be incorrect. Confirm the wireless network settings.
TS-05	The security information (SSID/Network Key) is incorrect.
	Confirm the wireless security information (Authentication method/Encryption method/Network Key).
TS-06	The machine cannot detect a WLAN access point/router that has WPS enabled.
	Confirm the wireless security information (Authentication method/Encryption method/Network Key).
TS-07	The machine cannot detect a WLAN access point/router that has WPS enabled.
	If you want to connect with WPS, you must operate both your machine and the WLAN access point/router. Confirm the connection method for WPS on WLAN access point/router and try starting again.
	If you do not know how to operate your WLAN access point/router using WPS, see the documentation provided with your WLAN access point/router, ask the manufacturer of your WLAN access point/router or ask your network administrator.

Error Code	Problem and Recommended Solutions
TS-08	Two or more WLAN access points that have WPS enabled are detected.
	Confirm that only one WLAN access point/router within range has the WPS method active and try again.
	Try starting again after few minutes in order to avoid effects from other access points.

- Print the WLAN Report
- My Brother Machine Cannot Print, Scan, or PC-FAX Receive over the Network
- I Want to Check that My Network Devices are Working Correctly
- Configure Your Machine for a Wireless Network Using the One Push Method of Wi-Fi Protected Setup[™]
 (WPS)
- Configure Your Machine for a Wireless Network Using the PIN Method of Wi-Fi Protected Setup[™] (WPS)
- Configure Your Machine for a Wireless Network Using the Machine's Control Panel Setup Wizard
- Configure Your Machine for a Wireless Network When the SSID Is Not Broadcast
- Configure Your Machine for an Enterprise Wireless Network

▲ Home > Network > Advanced Network Features > Configure and Operate LDAP Search

Configure and Operate LDAP Search

MFC-L8900CDW: standard

The LDAP feature allows you to search for information, such as fax numbers and email addresses, on your server. When you use the Fax, I-Fax, or Scan to Email server feature, you can use the LDAP search to find fax numbers or email addresses.



- The LDAP feature does not support simplified Chinese, traditional Chinese, or Korean.
- The LDAP feature supports LDAPv3.
- The LDAP feature does not support SSL/TLS.

- · Advanced Network Features
- · Change LDAP Configuration Using Web Based Management
- · Perform an LDAP Search Using Your Machine's Control Panel

▲ Home > Network > Advanced Network Features > Configure and Operate LDAP Search > Change LDAP Configuration Using Web Based Management

Change LDAP Configuration Using Web Based Management

Use Web Based Management to configure your LDAP settings in a web browser.

- 1. Start your web browser.
- 2. Type "http://machine's IP address" in your browser's address bar (where "machine's IP address" is the machine's IP address).

For example:

http://192.168.1.2

3. No password is required by default. Type a password if you have set one, and then click



- 4. Click the Network tab.
- 5. Click the **Protocol** menu in the left navigation bar.
- 6. Select the LDAP check box, and then click Submit.
- 7. Restart your Brother machine to activate the configuration.
- 8. On your computer, in Web Based Management's Address Book tab, select LDAP in the left navigation bar.
 - LDAP Search
 - LDAP Server Address
 - **Port** (The default port number is 389.)
 - · Search Root
 - Authentication
 - Username

This selection will be available depending on the authentication method used.

Password

This selection will be available depending on the authentication method used.



- If the LDAP server supports Kerberos authentication, we recommend selecting Kerberos for the Authentication settings. It provides strong authentication between the LDAP server and your machine.
- You must configure the SNTP protocol (network time server), or you must set the date, time and time zone correctly on the control panel for Kerberos authentication.
- Kerberos Server Address

This selection will be available depending on the authentication method used.

- Timeout for LDAP
- Attribute of Name (Search Key)
- Attribute of E-mail
- Attribute of Fax Number
- 9. When finished, click Submit. Make sure the Status field reads OK.

- · Configure and Operate LDAP Search
- · Synchronize Time with the SNTP Server Using Web Based Management

▲ Home > Network > Advanced Network Features > Configure and Operate LDAP Search > Perform an LDAP Search Using Your Machine's Control Panel

Perform an LDAP Search Using Your Machine's Control Panel

After you configure LDAP settings, you can use the LDAP search feature to find fax numbers or email addresses to use for:

- · Sending a Fax
- · Sending an Internet Fax (I-Fax)
- · Scanning to Email Server



- The LDAP feature supports LDAPv3.
- The LDAP feature does not support SSL/TLS.
- You may need to use Kerberos Authentication or Simple Authentication to connect to your LDAP server, depending on the security policy set by your network administrator.
- You must configure the SNTP protocol (network time server), or you must set the date, time and time zone correctly on the control panel for Kerberos authentication.
- 1. Press Q to search.
- 2. Enter the initial characters for your search using the LCD.
- 3. Press [OK].

The LDAP search result will be shown on the LCD; the icon appears before the fax number (local) or the email (local) address book search results.

- If there is no match on the server or the email (local) address book, the LCD displays [Results cannot be found.] for about 60 seconds.
- 4. Swipe up or down or press ▲ or ▼ to display the name you want.
- 5. Press the name.

To view the details of the name, press [Detail].

- 6. If the result includes more than one fax number or email address, the machine will prompt you to select just one. Press [Apply]. Do one of the following:
 - If you are sending a fax or an I-Fax, press [Fax Start].
 - If you are scanning to the Email Server, load your document, press [Next], and then press [Start].

- · Configure and Operate LDAP Search
- · Synchronize Time with the SNTP Server Using Web Based Management

■ Home > Network > Advanced Network Features > Synchronize Time with the SNTP Server Using Web Based Management

Synchronize Time with the SNTP Server Using Web Based Management

The Simple Network Time Protocol (SNTP) is used to synchronize the time used by the machine for authentication with the SNTP time server. (This is not the time displayed on the machine's LCD.) You can automatically or manually synchronize the machine's time with the Coordinated Universal Time (UTC) provided by the SNTP time server.

- Configure Date and Time Using Web Based Management
- Configure the SNTP Protocol Using Web Based Management
- Change LDAP Configuration Using Web Based Management
- Perform an LDAP Search Using Your Machine's Control Panel

▲ Home > Network > Advanced Network Features > Synchronize Time with the SNTP Server Using Web Based Management > Configure Date and Time Using Web Based Management

Configure Date and Time Using Web Based Management

Configure date and time to synchronize the time used by the machine with the SNTP time server.

This feature is not available in some countries.

- 1. Start your web browser.
- 2. Type "http://machine's IP address" in your browser's address bar (where "machine's IP address" is the machine's IP address).

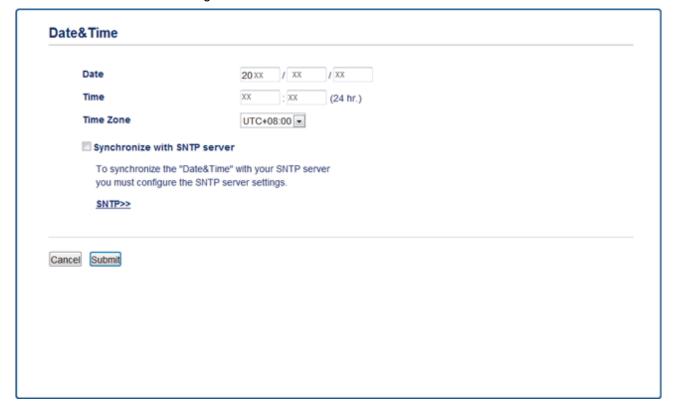
For example:

http://192.168.1.2

3. No password is required by default. Type a password if you have set one, and then click



- 4. Click the Administrator tab.
- 5. Click Date&Time in the left navigation bar.





Select the time difference between your location and UTC from the **Time Zone** drop-down list. For example, the time zone for Eastern Time in the USA and Canada is UTC-05:00.

- 6. Verify the **Time Zone** settings.
- 7. Select the **Synchronize with SNTP server** check box.
- 8. Click Submit.

Related Information

· Synchronize Time with the SNTP Server Using Web Based Management

▲ Home > Network > Advanced Network Features > Synchronize Time with the SNTP Server Using Web Based Management > Configure the SNTP Protocol Using Web Based Management

Configure the SNTP Protocol Using Web Based Management

Configure the SNTP protocol to synchronize the time the machine uses for authentication with the time kept by the SNTP time server.

- 1. Start your web browser.
- 2. Type "http://machine's IP address" in your browser's address bar (where "machine's IP address" is the machine's IP address).

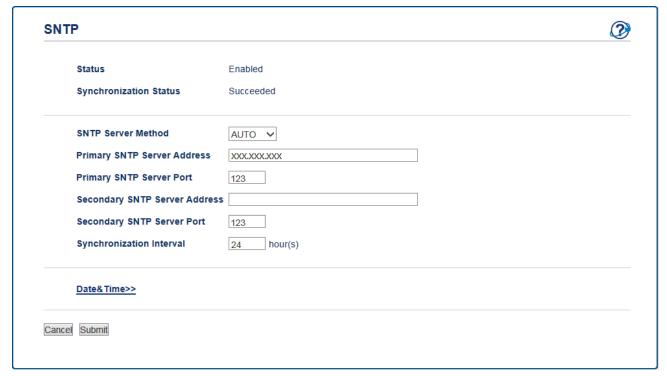
For example:

http://192.168.1.2

3. No password is required by default. Type a password if you have set one, and then click



- 4. Click the Network tab.
- 5. Click the **Protocol** menu in the left navigation bar.
- 6. Select the **SNTP** check box to activate the settings.
- 7. Click Submit.
- 8. Restart your Brother machine to activate the configuration.
- 9. Next to the SNTP check box, click **Advanced Settings** and follow the instructions below:



Option	Description	
Status	Displays whether the SNTP protocol is enabled or disabled.	
Synchronization Status	Confirm the latest synchronization status.	
SNTP Server Method	Select AUTO or STATIC.	
	• AUTO	
	If you have a DHCP server in your network, the SNTP server will obtain the address from that server automatically.	
	• STATIC	
	Type the address you want to use.	

Option	Description	
Primary SNTP Server Address	Type the server address (up to 64 characters). The secondary SNTP server address is used as a backup to the primary	
Secondary SNTP Server Address	SNTP server address. If the primary server is unavailable, the machine will contact the secondary SNTP server.	
Primary SNTP Server Port	Type the port number (1-65535).	
Secondary SNTP Server Port	The secondary SNTP server port is used as a backup to the primary SNTP server port. If the primary port is unavailable, the machine will contact the secondary SNTP port.	
Synchronization Interval	Type the number of hours between server synchronization attempts (1-168 hours).	

10. Click Submit.



Related Information

• Synchronize Time with the SNTP Server Using Web Based Management

▲ Home > Network > Technical Information for Advanced Users

Technical Information for Advanced Users

- Gigabit Ethernet (Wired Network Only)
- Reset the Network Settings to the Factory Settings

▲ Home > Network > Technical Information for Advanced Users > Gigabit Ethernet (Wired Network Only)

Gigabit Ethernet (Wired Network Only)

Your machine supports 1000BASE-T Gigabit Ethernet. To connect to a 1000BASE-T Gigabit Ethernet Network, you must set the machine's Ethernet link mode to Auto from the machine's control panel or Web Based Management (web browser).



 Use a straight-through Category 5e (or greater) twisted-pair cable. When you connect the machine to a Gigabit Ethernet Network, use the network devices complying with 1000BASE-T.

✓ F

- · Technical Information for Advanced Users
- Configure the Gigabit Ethernet Settings Using Web Based Management

▲ Home > Network > Technical Information for Advanced Users > Gigabit Ethernet (Wired Network Only) > Configure the Gigabit Ethernet Settings Using Web Based Management

Configure the Gigabit Ethernet Settings Using Web Based Management

- 1. Start your web browser.
- 2. Type "http://machine's IP address" in your browser's address bar (where "machine's IP address" is the machine's IP address).

For example:

http://192.168.1.2

3. No password is required by default. Type a password if you have set one, and then click



- 4. Click the Network tab.
- 5. Click Wired.
- 6. Click **Ethernet** in the left navigation bar.
- 7. Select Auto from the Ethernet Mode drop-down list.
- 8. Click Submit.
- 9. To enable the settings, restart your machine.

You can confirm your settings by printing the Network Configuration Report.

Relat

- Gigabit Ethernet (Wired Network Only)
- · Print the Network Configuration Report

■ Home > Network > Technical Information for Advanced Users > Reset the Network Settings to the Factory Settings

Reset the Network Settings to the Factory Settings

You can use your machine's control panel to reset the print server to its default factory settings. This resets all information, such as the password and IP address.



- This feature restores all wired (supported models only) and wireless network settings to the factory settings.
- You can also reset the print server to its factory settings using BRAdmin Light, BRAdmin Professional, or Web Based Management.
- 1. Press [Settings] > [All Settings] > [Network] > [Network Reset].



If your machine displays the [All Settings] menu on the Home screen, skip the [Settings] menu.

2. [Machine will reboot after resetting. Press [OK] for 2 seconds to confirm.] appears. Press [OK] for two seconds to confirm.

The machine will restart.

Related Information

Technical Information for Advanced Users

▲ Home > Security

Security

- Lock the Machine Settings
- Network Security Features

▲ Home > Security > Lock the Machine Settings

Lock the Machine Settings

Before turning on the machine's Access Lock, make a careful note of your password. If you forget the password, you must reset all passwords stored in the machine by contacting your administrator or Brother customer service.

- Setting Lock Overview
- · Customisation of Your Machine

▲ Home > Security > Lock the Machine Settings > Setting Lock Overview

Setting Lock Overview

Use the Setting Lock feature to block unauthorised access to machine settings.

When Setting Lock is set to On, you cannot access the machine settings without entering the password.

- Set the Setting Lock Password
- · Change the Setting Lock Password
- Turn Setting Lock On
- Restrict Specific Machine Settings

▲ Home > Security > Lock the Machine Settings > Setting Lock Overview > Set the Setting Lock Password

Set the Setting Lock Password

1. Press [Admin Settings] > [Password].



This password is also valid for other [Admin Settings] features and Web Based Management login.

- 2. Type the password you want to use. (8 to 32 characters), and then press [OK].
- 3. When the LCD displays [Verify], retype the password, and then press [OK].
- 4. When the machine prompts you to select next step, choose your selection.
- 5. Press



Related Information

Setting Lock Overview

■ Home > Security > Lock the Machine Settings > Setting Lock Overview > Change the Setting Lock Password

Change the Setting Lock Password

- 1. Press [Admin Settings].
- 2. Type the current password, and then press [OK].
- 3. Press [Password].
- 4. Type the current password again, and then press <code>[OK]</code>.
- 5. Type a new password you want to use (8 to 32 characters), and then press [OK].
- 6. When the LCD displays [Verify], retype the password, and then press [OK].
- 7. Press .

Related Information

· Setting Lock Overview

▲ Home > Security > Lock the Machine Settings > Setting Lock Overview > Turn Setting Lock On

Turn Setting Lock On

- 1. Press [Admin Settings].
- 2. Type the current password, and then press [OK].
- 3. Press [Restriction Management] > [Setting Lock] > [On].
- 4. When the machine prompts you to select the next step, choose your selection.



To turn Setting Lock off, repeat the step 1 and 2, and then press [Restriction Management] > [Setting Lock] > [Off].

Related Information

Setting Lock Overview

▲ Home > Security > Lock the Machine Settings > Setting Lock Overview > Restrict Specific Machine Settings

Restrict Specific Machine Settings

- 1. Press [Admin Settings].
- 2. Enter the current Administrator password, and then press <code>[OK]</code>.
- 3. Press [Restriction Management] > [Setting Lock Details].
- 4. Choose the machine settings you want to restrict, and then press <code>[OK]</code>.
- 5. Press

Related Information

Setting Lock Overview

Network Security Features

- Before Using Network Security Features
- Secure Function Lock 3.0
- Use Active Directory Authentication
- Use LDAP Authentication
- Manage Your Network Machine Securely Using SSL/TLS
- Manage Your Network Machine Securely Using IPsec
- Send or Receive an Email Securely
- Use IEEE 802.1x Authentication for a Wired or a Wireless Network
- Store Print Log to Network
- · Customisation of Your Machine

▲ Home > Security > Network Security Features > Before Using Network Security Features

Before Using Network Security Features

Your Brother machine employs some of the latest network security and encryption protocols available today. These network features can be integrated into your overall network security plan to help protect your data and prevent unauthorised access to the machine.



We recommend disabling the Telnet, FTP server and TFTP protocols. Accessing the machine using these protocols is not secure.



Related Information

Network Security Features

▲ Home > Security > Network Security Features > Secure Function Lock 3.0

Secure Function Lock 3.0

Brother's Secure Function Lock 3.0 increases security by restricting the functions available on your Brother machine.

- Before Using Secure Function Lock 3.0
- Configure Secure Function Lock 3.0 Using Web Based Management
- Scan Using Secure Function Lock 3.0
- Configure Public Mode for Secure Function Lock 3.0
- Additional Secure Function Lock 3.0 Features
- Register a new ID Card Using the Machine's Control Panel

■ Home > Security > Network Security Features > Secure Function Lock 3.0 > Before Using Secure Function Lock 3.0

Before Using Secure Function Lock 3.0

Use Secure Function Lock to configure passwords, set specific user page limits, and grant access to some or all of the functions listed here.

You can configure and change the following Secure Function Lock 3.0 settings using Web Based Management or BRAdmin Professional (Windows):

Print

Print includes print jobs sent via AirPrint and Brother iPrint&Scan.

If you register users' login names in advance, the users do not need to enter their passwords when they use the print function.

- Color Print
- Copy
- Scan

Scan includes scan jobs sent via Brother iPrint&Scan.

- Send (supported models only)
- Receive (supported models only)
- USB Direct Print
- Scan to USB (supported models only)
- Page Limits
- Page Counters
- Card ID (NFC ID) (supported models only)

If you register users' Card IDs in advance, registered users can activate the machine by touching their registered cards to the machines' NFC symbol.

Related Information

• Secure Function Lock 3.0

▲ Home > Security > Network Security Features > Secure Function Lock 3.0 > Configure Secure Function Lock 3.0 Using Web Based Management

Configure Secure Function Lock 3.0 Using Web Based Management

- 1. Start your web browser.
- 2. Type "http://machine's IP address" in your browser's address bar (where "machine's IP address" is the machine's IP address).

For example:

http://192.168.1.2

3. No password is required by default. Type a password if you have set one, and then click



- 4. Click the Administrator tab.
- 5. Click the User Restriction Function menu in the left navigation bar.
- 6. Select Secure Function Lock.
- 7. Click Submit.
- 8. Click the **Restricted Functions** menu in the left navigation bar.
- 9. In the **User List / Restricted Functions** field, type a group name or user name.
- 10. In the **Print** and the other columns, select a check box to allow or clear a check box to restrict the function listed.
- 11. To configure the maximum page count, select the **On** check box in the **Page Limits** column, and then type the maximum number in the **Max. Pages** field.
- 12. Click Submit.
- 13. Click the **User List** menu in the left navigation bar.
- 14. In the **User List** field, type the user name.
- 15. In the **PIN Number** field, type a four-digit password.
- 16. In the E-mail Address field, type the user's email address .
- 17. To register the user's Card ID, type the card number in the Card ID (NFC ID) field .
- 18. Select User List / Restricted Functions from the drop-down list for each user.
- 19. Click Submit.

V

Related Information

Secure Function Lock 3.0

▲ Home > Security > Network Security Features > Secure Function Lock 3.0 > Scan Using Secure Function Lock 3.0

Scan Using Secure Function Lock 3.0

Setting Scan restrictions (for administrators)

Secure Function Lock 3.0 allows an administrator to restrict which users are allowed to scan. When the Scan feature is set to Off for the public user setting, only users who have the **Scan** check box selected will be able to scan.

Using the Scan feature (for restricted users)

- To scan using the machine's control panel:
 Restricted users must enter their PINs on the machine's control panel to access Scan mode.
- To scan from a computer:

Restricted users must enter their PINs on the machine's control panel before scanning from their computers. If the PIN is not entered on the machine's control panel, an error message will appear on the user's computer.

Related Information

• Secure Function Lock 3.0

▲ Home > Security > Network Security Features > Secure Function Lock 3.0 > Configure Public Mode for Secure Function Lock 3.0

Configure Public Mode for Secure Function Lock 3.0

Use the Secure Function Lock screen to set up Public Mode, which limits the functions available to public users. Public users will not need to enter a password to access the features made available through Public Mode settings.



Public Mode includes print jobs sent via AirPrint and Brother iPrint&Scan.

- 1. Start your web browser.
- 2. Type "http://machine's IP address" in your browser's address bar (where "machine's IP address" is the machine's IP address).

For example:

http://192.168.1.2

3. No password is required by default. Type a password if you have set one, and then click



- 4. Click the Administrator tab.
- 5. Click the User Restriction Function menu in the left navigation bar.
- 6. Select Secure Function Lock.
- 7. Click Submit.
- 8. Click the Restricted Functions menu.
- 9. In the Public Mode row, select a check box to allow or clear a check box to restrict the function listed.
- 10. Click Submit.

✓ R

Related Information

Secure Function Lock 3.0

■ Home > Security > Network Security Features > Secure Function Lock 3.0 > Additional Secure Function Lock 3.0 Features

Additional Secure Function Lock 3.0 Features

Configure the following features in the Secure Function Lock screen:

All Counter Reset

Click All Counter Reset, in the Page Counters column, to reset the page counter.

Export to CSV file

Click **Export to CSV file**, to export the current page counter including **User List / Restricted Functions** information as a CSV file.

Card ID (NFC ID) (supported models only)

Click the **User List** menu, and then type a users' Card ID in the **Card ID** (**NFC ID**) field. You can use your ID card for authentication.

Last Counter Record

Click Last Counter Record if you want the machine to retain the page count after the counter has been reset.

Counter Auto Reset

Click **Counter Auto Reset** to configure the time interval you want between page counter reset. Choose a daily, weekly, or monthly interval.

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Related Information

• Secure Function Lock 3.0

▲ Home > Security > Network Security Features > Secure Function Lock 3.0 > Register a new ID Card Using the Machine's Control Panel

Register a new ID Card Using the Machine's Control Panel

- 1. Touch the NFC symbol on the machine's control panel with a registered ID Card.
- 2. Touch your user ID on the machine's control panel.
- 3. Press [Register Card].
- 4. Touch a new ID Card to the NFC symbol.

The new ID Card's number is registered to the machine.



For the supported ID Card types, go to the Brother Solutions Center at <u>support.brother.com</u> to see the **FAQs & Troubleshooting** page.

5. Press [OK].

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Related Information

• Secure Function Lock 3.0

▲ Home > Security > Network Security Features > Use Active Directory Authentication

Use Active Directory Authentication

- Introduction to Active Directory Authentication
- Configure Active Directory Authentication Using Web Based Management
- Log On to Change the Machine Settings Using the Machine's Control Panel (Active Directory Authentication)

■ Home > Security > Network Security Features > Use Active Directory Authentication > Introduction to Active Directory Authentication

Introduction to Active Directory Authentication

Active Directory Authentication restricts the use of your Brother machine. If Active Directory Authentication is enabled, the machine's control panel will be locked. You cannot change the machine's settings until you enter a User ID and password.

Active Directory Authentication offers the following features:

- · Stores incoming print data
- · Stores incoming fax data
- Obtains the email address from the Active Directory server based on your User ID, when sending scanned data to an email server.

To use this feature, select the **On** option for the **Get Mail Address** setting and **LDAP + kerberos** authentication method. Your email address will be set as the sender when the machine sends scanned data to an email server, or as the recipient if you want to send the scanned data to your email address.

When Active Directory Authentication is enabled, your machine stores all incoming fax data. After you log on, the machine prints the stored fax data.

You can change the Active Directory Authentication settings using Web Based Management or BRAdmin Professional (Windows).



Related Information

Use Active Directory Authentication

▲ Home > Security > Network Security Features > Use Active Directory Authentication > Configure Active Directory Authentication Using Web Based Management

Configure Active Directory Authentication Using Web Based Management

Active Directory authentication supports Kerberos authentication and NTLMv2 authentication. You must configure the SNTP protocol (network time server) and DNS server configuration for authentication.

- 1. Start your web browser.
- 2. Type "http://machine's IP address" in your browser's address bar (where "machine's IP address" is the machine's IP address).

For example:

http://192.168.1.2

3. No password is required by default. Type a password if you have set one, and then click



- 4. Click the Administrator tab.
- 5. Click the **User Restriction Function** menu in the left navigation bar.
- 6. Select Active Directory Authentication.
- 7. Click Submit.
- 8. Select Active Directory Authentication in the left navigation bar.
- 9. Configure the following settings:

Option	Description
Storage PC Print Data	Select this option to store incoming print data. After you log on to the machine, your PC print jobs will be printed automatically. This feature is available only for print data created by a Brother native printer driver.
Storage Fax RX Data	Select this option to store incoming fax data. You can print all incoming fax data after you log on to the machine.
Remember User ID	Select this option to save your User ID.
Active Directory Server Address	Type the IP address or the server name (for example: ad.example.com) of the Active Directory Server.
Active Directory Domain Name	Type the Active Directory domain name.
Protocol & Authentication Method	Select the protocol and authentication method.
Get Mail Address	Select this option to obtain logged on user's email address from the Active Directory server.(available only for LDAP + kerberos authentication method)
Get User's Home Directory	Select this option to obtain your home directory as the Scan to Network destination. (available only for LDAP + kerberos authentication method)
LDAP Server Port	Type the port number to connect the Active Directory server via LDAP (available only for LDAP + kerberos authentication method).
LDAP Search Root	Type the LDAP search root (available only for LDAP + kerberos authentication method).

10. Click Submit.



Related Information

• Use Active Directory Authentication

▲ Home > Security > Network Security Features > Use Active Directory Authentication > Log On to Change the Machine Settings Using the Machine's Control Panel (Active Directory Authentication)

Log On to Change the Machine Settings Using the Machine's Control Panel (Active Directory Authentication)

When Active Directory Authentication is enabled, the machine's control panel will be locked until you enter your User ID and password on the machine's control panel.

- 1. On the machine's control panel, use the touchscreen to enter your User ID and Password.
- 2. Press [OK].
- 3. When authentication is successful, the machine's control panel will be unlocked.

Related Information

• Use Active Directory Authentication

▲ Home > Security > Network Security Features > Use LDAP Authentication

Use LDAP Authentication

- Introduction to LDAP Authentication
- Configure LDAP Authentication Using Web Based Management
- Log On to Change the Machine Settings Using the Machine's Control Panel (LDAP Authentication)

▲ Home > Security > Network Security Features > Use LDAP Authentication > Introduction to LDAP Authentication

Introduction to LDAP Authentication

LDAP Authentication restricts the use of your Brother machine. If LDAP Authentication is enabled, the machine's control panel will be locked. You cannot change the machine's settings until you enter a User ID and password.

LDAP Authentication offers the following features:

- · Stores incoming print data
- Stores incoming fax data
- Obtains the email address from the LDAP server based on your User ID, when sending scanned data to an email server.

To use this feature, select the **On** option for the **Get Mail Address** setting. Your email address will be set as the sender when the machine sends scanned data to an email server, or as the recipient if you want to send the scanned data to your email address.

When LDAP Authentication is enabled, your machine stores all incoming fax data. After you log on, the machine prints the stored fax data.

You can change the LDAP Authentication settings using Web Based Management or BRAdmin Professional (Windows).



Related Information

· Use LDAP Authentication

▲ Home > Security > Network Security Features > Use LDAP Authentication > Configure LDAP Authentication Using Web Based Management

Configure LDAP Authentication Using Web Based Management

- 1. Start your web browser.
- 2. Type "http://machine's IP address" in your browser's address bar (where "machine's IP address" is the machine's IP address).

For example:

http://192.168.1.2

3. No password is required by default. Type a password if you have set one, and then click



- 4. Click the Administrator tab.
- 5. Click the **User Restriction Function** menu in the left navigation bar.
- 6. Select LDAP Authentication.
- 7. Click Submit.
- 8. Click **LDAP Authentication** in the left navigation bar.
- 9. Configure the following settings:

Option	Description
Storage PC Print Data	Select this option to store incoming print data. After you log on to the machine, your PC print jobs will be printed automatically. This feature is available only for print data created by a Brother native printer driver.
Storage Fax RX Data	Select this option to store incoming fax data. You can print all incoming fax data after you log on to the machine.
Remember User ID	Select this option to save your User ID.
LDAP Server Address	Type the IP address or the server name (for example: ldap.example.com) of the LDAP server.
Get Mail Address ¹	Select this option to obtain logged on user's email address from the LDAP server.
Get User's Home Directory ¹	Select this option to obtain your home directory as the Scan to Network destination.
LDAP Server Port	Type the LDAP server port number.
LDAP Search Root	Type the LDAP search root directory.
Attribute of Name (Search Key)	Type the attribute you want to use as a search key.

¹ If this option is not available, update your machine's firmware. Go to your model's **Downloads** page on the Brother Solutions Center at <u>support.brother.com</u>.

10. Click Submit.



• Use LDAP Authentication

▲ Home > Security > Network Security Features > Use LDAP Authentication > Log On to Change the Machine Settings Using the Machine's Control Panel (LDAP Authentication)

Log On to Change the Machine Settings Using the Machine's Control Panel (LDAP Authentication)

When LDAP Authentication is enabled, the machine's control panel will be locked until you enter your User ID and password on the machine's control panel.

- 1. On the machine's control panel, use the touchscreen to enter your User ID and Password.
- 2. Press [OK].
- 3. When authentication is successful, the machine's control panel will be unlocked.

Related Information

• Use LDAP Authentication

▲ Home > Security > Network Security Features > Manage Your Network Machine Securely Using SSL/TLS

Manage Your Network Machine Securely Using SSL/TLS

- Introduction to SSL/TLS
- · Certificates and Web Based Management
- Manage Your Network Machine Securely Using Web Based Management
- Manage Your Network Machine Securely Using BRAdmin Professional (Windows)
- Print Documents Securely Using SSL/TLS

▲ Home > Security > Network Security Features > Manage Your Network Machine Securely Using SSL/ TLS > Introduction to SSL/TLS

Introduction to SSL/TLS

Secure Socket Layer (SSL) or Transport Layer Security (TLS) is an effective method of protecting data sent over a local or wide area network (LAN or WAN). It works by encrypting data, such as a print job, sent over a network, so anyone trying to capture it will not be able to read it.

SSL/TLS can be configured on both wired and wireless networks and will work with other forms of security such as WPA keys and firewalls.

Related Information

- Manage Your Network Machine Securely Using SSL/TLS
- Brief History of SSL/TLS
- · Benefits of Using SSL/TLS

▲ Home > Security > Network Security Features > Manage Your Network Machine Securely Using SSL/ TLS > Introduction to SSL/TLS > Brief History of SSL/TLS

Brief History of SSL/TLS

SSL/TLS was originally created to secure web traffic information, particularly data sent between web browsers and servers. For example, when you use Internet Explorer for Internet Banking and you see https:// and the little padlock icon in the web browser, you are using SSL. SSL grew to work with additional applications, such as Telnet, printer, and FTP software, in order to become a universal solution for online security. Its original design intentions are still being used today by many online retailers and banks to secure sensitive data, such as credit card numbers, customer records, etc.

SSL/TLS uses extremely high levels of encryption and is trusted by banks all over the world.



Related Information

• Introduction to SSL/TLS

▲ Home > Security > Network Security Features > Manage Your Network Machine Securely Using SSL/TLS > Introduction to SSL/TLS > Benefits of Using SSL/TLS

Benefits of Using SSL/TLS

The primary benefit of using SSL/TLS on Brother machines is to guarantee secure printing over an IP network by restricting unauthorised users from reading data sent to the machine. SSL's key selling point is that it can be used to print confidential data securely. For example, an HR department in a large company may be printing wage slips on a regular basis. Without encryption, the data contained on these wages slips can be read by other network users. However, with SSL/TLS, anyone trying to capture the data will see a confusing page of code and not the actual wage slip.



Related Information

Introduction to SSL/TLS

▲ Home > Security > Network Security Features > Manage Your Network Machine Securely Using SSL/ TLS > Certificates and Web Based Management

Certificates and Web Based Management

You must configure a certificate to manage your networked Brother machine securely using SSL/TLS. You must use Web Based Management to configure a certificate.

- Supported Security Certificate Features
- Create and Install a Certificate
- Manage Multiple Certificates

▲ Home > Security > Network Security Features > Manage Your Network Machine Securely Using SSL/ TLS > Certificates and Web Based Management > Supported Security Certificate Features

Supported Security Certificate Features

Your Brother machine supports the use of multiple security certificates, which allows secure management, authentication, and communication with the machine. The following security certificate features can be used with the machine:

- SSL/TLS communication
- SSL communication for SMTP/POP3/IMAP4
- IEEE 802.1x authentication
- IPsec

The Brother machine supports the following:

· Pre-installed certificate

Your machine has a pre-installed self-signed certificate. This certificate enables you to use SSL/TLS communication without creating or installing a different certificate.



The pre-installed self-signed certificate cannot protect your communication from being compromised. We recommend using a certificate that is issued by a trusted organisation for better security.

Self-signed certificate

This print server issues its own certificate. Using this certificate, you can easily use the SSL/TLS communication without creating or installing a different certificate from a CA.

Certificate from a Certificate Authority (CA)

There are two methods for installing a certificate from a CA. If you already have a certificate from a CA or if you want to use a certificate from an external trusted CA:

- When using a Certificate Signing Request (CSR) from this print server.
- When importing a certificate and a private key.
- · Certificate Authority (CA) Certificate

To use a CA certificate that identifies the CA and owns its private key, you must import that CA certificate from the CA before configuring the security features of the Network.



- If you are going to use SSL/TLS communication, we recommend contacting your system administrator first
- When you reset the print server back to its default factory settings, the certificate and the private key
 that are installed will be deleted. If you want to keep the same certificate and the private key after
 resetting the print server, export them before resetting, and then reinstall them.

Related Information

Certificates and Web Based Management

▲ Home > Security > Network Security Features > Manage Your Network Machine Securely Using SSL/ TLS > Certificates and Web Based Management > Create and Install a Certificate

Create and Install a Certificate

- · Step by Step Guide for Creating and Installing a Certificate
- · Create and Install a Self-signed Certificate
- Create and Install a Certificate from a Certificate Authority (CA)
- Import and Export a CA Certificate

▲ Home > Security > Network Security Features > Manage Your Network Machine Securely Using SSL/ TLS > Certificates and Web Based Management > Create and Install a Certificate > Step by Step Guide for Creating and Installing a Certificate

Step by Step Guide for Creating and Installing a Certificate

There are two options when choosing a security certificate: use a self-signed certificate or use a certificate from a Certificate Authority (CA).

These are a brief summary of the actions required, based on the option you choose.

Option 1

Self-Signed Certificate

- 1. Create a self-signed certificate using Web Based Management.
- 2. Install the self-signed certificate on your computer.

Option 2

Certificate from a CA

- 1. Create a Certificate Signing Request (CSR) using Web Based Management.
- 2. Install the certificate issued by the CA on your Brother machine using Web Based Management.
- 3. Install the certificate on your computer.

Related Information

· Create and Install a Certificate

▲ Home > Security > Network Security Features > Manage Your Network Machine Securely Using SSL/ TLS > Certificates and Web Based Management > Create and Install a Certificate > Create and Install a Selfsigned Certificate

Create and Install a Self-signed Certificate

- Create a Self-signed Certificate
- Install the Self-signed Certificate for Windows users with Administrator Rights
- Import and Export the Self-signed Certificate on your Brother Machine

▲ Home > Security > Network Security Features > Manage Your Network Machine Securely Using SSL/ TLS > Certificates and Web Based Management > Create and Install a Certificate > Create and Install a Self-signed Certificate > Create a Self-signed Certificate

Create a Self-signed Certificate

- 1. Start your web browser.
- 2. Type "http://machine's IP address" in your browser's address bar (where "machine's IP address" is the machine's IP address).

For example:

http://192.168.1.2



- If you are using a Domain Name System or enable a NetBIOS name, you can type another name, such as "SharedPrinter" instead of the IP address.
 - For example:

http://SharedPrinter

If you enable a NetBIOS name, you can also use the node name.

For example:

http://brnxxxxxxxxxxxx

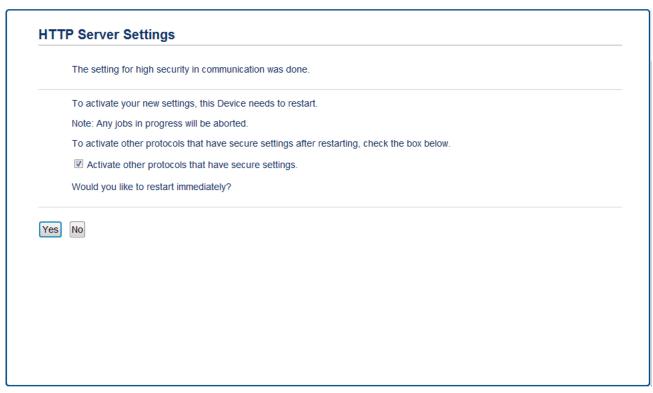
The NetBIOS name can be found in the Network Configuration Report.

- For Mac, access Web Based Management by clicking the machine's icon on the Status Monitor screen
- 3. No password is required by default. Type a password if you have set one, and then click



- 4. Click the Network tab.
- 5. Click the Security tab.
- 6. Click Certificate.
- 7. Click Create Self-Signed Certificate.
- 8. Enter a Common Name and a Valid Date.
 - The length of the Common Name is less than 64 bytes. Enter an identifier, such as an IP address, node
 name, or domain name to use when accessing this machine through SSL/TLS communication. The node
 name is displayed by default.
 - A warning will appear if you use the IPPS or HTTPS protocol and enter a different name in the URL than
 the Common Name that was used for the self-signed certificate.
- 9. Select your setting from the Public Key Algorithm drop-down list. The default setting is RSA(2048bit).
- 10. Select your setting from the Digest Algorithm drop-down list. The default setting is SHA256.
- 11. Click Submit.
- 12. Click Network.
- 13. Click Protocol.
- 14. Click HTTP Server Settings.
- 15. Select the certificate you want to configure from the Select the Certificate drop-down list.
- 16. Click Submit.

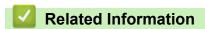
The following screen appears.



17. Click **Yes** to restart your print server.

The self-signed certificate is created and saved in your machine's memory.

To use SSL/TLS communication, the self-signed certificate must be installed on your computer.



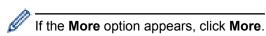
· Create and Install a Self-signed Certificate

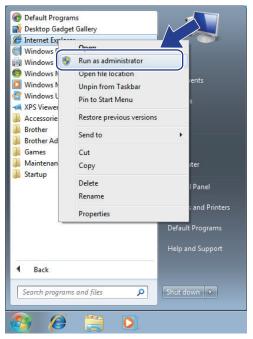
▲ Home > Security > Network Security Features > Manage Your Network Machine Securely Using SSL/ TLS > Certificates and Web Based Management > Create and Install a Certificate > Create and Install a Selfsigned Certificate > Install the Self-signed Certificate for Windows users with Administrator Rights

Install the Self-signed Certificate for Windows users with Administrator Rights

The following steps are for Microsoft Internet Explorer. If you use another web browser, consult the documentation for your web browser to get help with installing certificates.

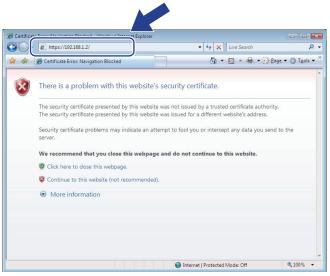
- 1. Do one of the following:
 - (Windows 7 and Windows Server 2008)
 - Click (Start) > All Programs.
 - (Windows 8)
 - Right-click the (Internet Explorer) icon on the taskbar.
 - · (Windows 10 and Windows Server 2016)
 - · (Windows Server 2012 and Windows Server 2012 R2)
 - Click (Internet Explorer), and then right-click the (Internet Explorer) icon that appears on the taskbar.
- 2. Right-click Internet Explorer, and then click Run as administrator.



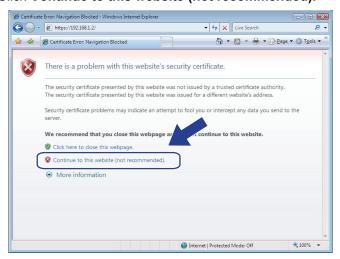


If the User Account Control screen appears, click Yes.

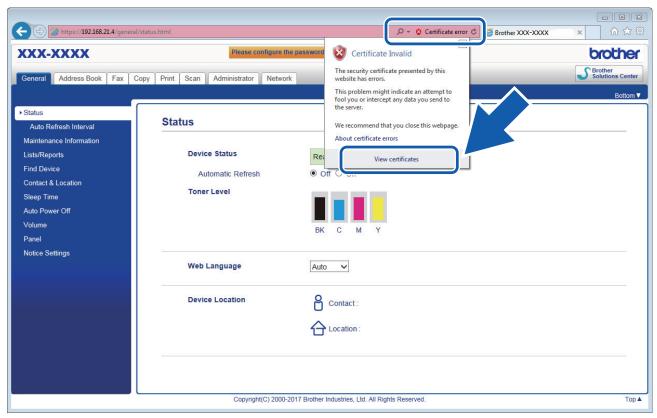
3. Type "https://machine's IP address" in your browser's address bar to access your machine (where "machine's IP address" is the machine's IP address or the node name that you assigned for the certificate).



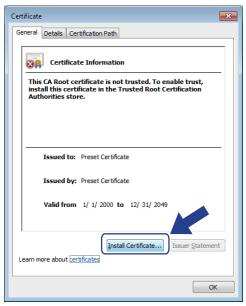
4. Click Continue to this website (not recommended).



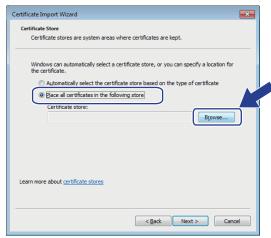
5. Click Certificate error, and then click View certificate.



6. Click Install Certificate....



- 7. When the Certificate Import Wizard appears, click Next.
- 8. Select Place all certificates in the following store, and then click Browse....



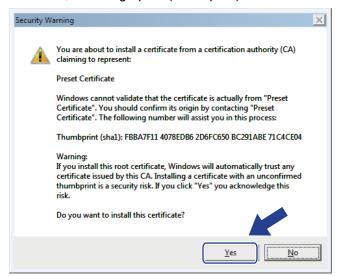
9. Select Trusted Root Certification Authorities, and then click OK.



10. Click Next.



- 11. Click Finish.
- 12. Click Yes, if the fingerprint (thumbprint) is correct.





The fingerprint (thumbprint) is printed on the Network Configuration Report.

13. Click **OK**.

The self-signed certificate is now installed on your computer, and SSL/TLS communication is available.



Related Information

· Create and Install a Self-signed Certificate

▲ Home > Security > Network Security Features > Manage Your Network Machine Securely Using SSL/ TLS > Certificates and Web Based Management > Create and Install a Certificate > Create and Install a Selfsigned Certificate > Import and Export the Self-signed Certificate on your Brother Machine

Import and Export the Self-signed Certificate on your Brother Machine

You can store the self-signed certificates on your Brother machine and manage them by importing and exporting.

- Import the Self-signed Certificate
- Export the Self-signed Certificate

▲ Home > Security > Network Security Features > Manage Your Network Machine Securely Using SSL/ TLS > Certificates and Web Based Management > Create and Install a Certificate > Create and Install a Selfsigned Certificate > Import and Export the Self-signed Certificate on your Brother Machine > Import the Selfsigned Certificate

Import the Self-signed Certificate

- 1. Start your web browser.
- 2. Type "http://machine's IP address" in your browser's address bar (where "machine's IP address" is the machine's IP address).

For example:

http://192.168.1.2



- If you are using a Domain Name System or enable a NetBIOS name, you can type another name, such as "SharedPrinter" instead of the IP address.
 - For example:

http://SharedPrinter

If you enable a NetBIOS name, you can also use the node name.

For example:

http://brnxxxxxxxxxxxx

The NetBIOS name can be found in the Network Configuration Report.

- For Mac, access Web Based Management by clicking the machine's icon on the Status Monitor screen.
- 3. No password is required by default. Type a password if you have set one, and then click



- 4. Click the Network tab.
- 5. Click the Security tab.
- 6. Click Certificate.
- 7. Click Import Certificate and Private Key.
- 8. Browse to the file you want to import.
- 9. Type the password if the file is encrypted, and then click Submit.

The self-signed certificate is imported to your machine.

To use SSL/TLS communication, the self-signed certificate must also be installed on your computer. Contact your network administrator.



Related Information

· Import and Export the Self-signed Certificate on your Brother Machine

▲ Home > Security > Network Security Features > Manage Your Network Machine Securely Using SSL/ TLS > Certificates and Web Based Management > Create and Install a Certificate > Create and Install a Selfsigned Certificate > Import and Export the Self-signed Certificate on your Brother Machine > Export the Selfsigned Certificate

Export the Self-signed Certificate

- 1. Start your web browser.
- 2. Type "http://machine's IP address" in your browser's address bar (where "machine's IP address" is the machine's IP address).

For example:

http://192.168.1.2



- If you are using a Domain Name System or enable a NetBIOS name, you can type another name, such as "SharedPrinter" instead of the IP address.
 - For example:

http://SharedPrinter

If you enable a NetBIOS name, you can also use the node name.

For example:

http://brnxxxxxxxxxxxx

The NetBIOS name can be found in the Network Configuration Report.

- For Mac, access Web Based Management by clicking the machine's icon on the Status Monitor screen.
- 3. No password is required by default. Type a password if you have set one, and then click



- 4. Click the Network tab.
- 5. Click the Security tab.
- 6. Click Certificate.
- 7. Click Export shown with Certificate List.
- 8. If you want to encrypt the file, type a password in the **Enter password** field.
 - If the **Enter password** field is blank, your output file will not be encrypted.
- 9. Type the password again in the **Retype password** field, and then click **Submit**.
- 10. Click Save.
- 11. Specify the location where you want to save the file.

The self-signed certificate is exported to your computer.

You can also import the self-signed certificate to your computer.



Related Information

Import and Export the Self-signed Certificate on your Brother Machine

▲ Home > Security > Network Security Features > Manage Your Network Machine Securely Using SSL/ TLS > Certificates and Web Based Management > Create and Install a Certificate > Create and Install a Certificate from a Certificate Authority (CA)

Create and Install a Certificate from a Certificate Authority (CA)

If you already have a certificate from an external trusted CA, you can store the certificate and private key on the machine and manage them by importing and exporting. If you do not have a certificate from an external trusted CA, create a Certificate Signing Request (CSR), send it to a CA for authentication, and install the returned certificate on your machine.

- Create a Certificate Signing Request (CSR)
- Install a Certificate on Your Brother Machine
- Import and Export the Certificate and Private Key

▲ Home > Security > Network Security Features > Manage Your Network Machine Securely Using SSL/ TLS > Certificates and Web Based Management > Create and Install a Certificate > Create and Install a Certificate from a Certificate Authority (CA) > Create a Certificate Signing Request (CSR)

Create a Certificate Signing Request (CSR)

A Certificate Signing Request (CSR) is a request sent to a Certificate Authority (CA) to authenticate the credentials contained within the certificate.

We recommend installing a Root Certificate from the CA on your computer before creating the CSR.

- Start your web browser.
- 2. Type "http://machine's IP address" in your browser's address bar (where "machine's IP address" is the machine's IP address).

For example:

http://192.168.1.2



- If you are using a Domain Name System or enable a NetBIOS name, you can type another name, such as "SharedPrinter" instead of the IP address.
 - For example:

http://SharedPrinter

If you enable a NetBIOS name, you can also use the node name.

For example:

http://brnxxxxxxxxxxx

The NetBIOS name can be found in the Network Configuration Report.

- For Mac, access Web Based Management by clicking the machine's icon on the Status Monitor screen.
- 3. No password is required by default. Type a password if you have set one, and then click



- 4. Click the Network tab.
- 5. Click the Security tab.
- 6. Click Certificate.
- 7. Click Create CSR.
- 8. Type a Common Name (required) and add other information about your Organization (optional).



- Your company details are required so that a CA can confirm your identity and verify it to the outside world.
- The length of the Common Name must be less than 64 bytes. Enter an identifier, such as an IP address, node name, or domain name to use when accessing this printer through SSL/TLS communication. The node name is displayed by default. The Common Name is required.
- A warning will appear if you type a different name in the URL than the Common Name that was used for the certificate.
- The length of the **Organization**, the **Organization Unit**, the **City/Locality** and the **State/Province** must be less than 64 bytes.
- The Country/Region should be a two character ISO 3166 country code.
- If you are configuring an X.509v3 certificate extension, select the **Configure extended partition** check box, and then select **Auto (Register IPv4)** or **Manual**.
- 9. Select your setting from the Public Key Algorithm drop-down list. The default setting is RSA(2048bit).
- 10. Select your setting from the **Digest Algorithm** drop-down list. The default setting is **SHA256**.
- 11. Click Submit.

The CSR appears on your screen. Save the CSR as a file or copy and paste it into an online CSR form offered by a Certificate Authority.

12. Click Save.



- Follow your CA's policy regarding the method to send a CSR to your CA.
- If you are using the Enterprise root CA of Windows Server 2008/2012/2012 R2/2016, we recommend using the Web Server for the certificate template to securely create the Client Certificate. If you are creating a Client Certificate for an IEEE 802.1x environment with EAP-TLS authentication, we recommend using User for the certificate template. For more information, go to your model's page on the Brother Solutions Center at support.brother.com.

Related Information

• Create and Install a Certificate from a Certificate Authority (CA)

▲ Home > Security > Network Security Features > Manage Your Network Machine Securely Using SSL/ TLS > Certificates and Web Based Management > Create and Install a Certificate > Create and Install a Certificate from a Certificate Authority (CA) > Install a Certificate on Your Brother Machine

Install a Certificate on Your Brother Machine

When you receive a certificate from a CA, follow the steps below to install it into the print server:

Only a certificate issued with your machine's CSR can be installed onto the machine. When you want to create another CSR, make sure that the certificate is installed before creating another CSR. Create another CSR only after installing the certificate on the machine. If you do not, the CSR you create before installing will be invalid.

- 1. Start your web browser.
- 2. Type "http://machine's IP address" in your browser's address bar (where "machine's IP address" is the machine's IP address).

For example:

http://192.168.1.2



- If you are using a Domain Name System or enable a NetBIOS name, you can type another name, such as "SharedPrinter" instead of the IP address.
 - For example:

http://SharedPrinter

If you enable a NetBIOS name, you can also use the node name.

For example:

http://brnxxxxxxxxxxxx

The NetBIOS name can be found in the Network Configuration Report.

- For Mac, access Web Based Management by clicking the machine's icon on the Status Monitor screen.
- 3. No password is required by default. Type a password if you have set one, and then click



- 4. Click the Network tab.
- 5. Click the Security tab.
- 6. Click Certificate.
- 7. Click Install Certificate.
- Browse to the file that contains the certificate issued by the CA, and then click **Submit**.
 The certificate has been created successfully and saved in your machine's memory successfully.

To use SSL/TLS communication, the Root Certificate from the CA must be installed on your computer. Contact your network administrator.



Related Information

Create and Install a Certificate from a Certificate Authority (CA)

▲ Home > Security > Network Security Features > Manage Your Network Machine Securely Using SSL/ TLS > Certificates and Web Based Management > Create and Install a Certificate > Create and Install a Certificate from a Certificate Authority (CA) > Import and Export the Certificate and Private Key

Import and Export the Certificate and Private Key

Store the certificate and private key on your machine and manage them by importing and exporting them.

- Import a Certificate and Private Key
- Export the Certificate and Private Key

▲ Home > Security > Network Security Features > Manage Your Network Machine Securely Using SSL/ TLS > Certificates and Web Based Management > Create and Install a Certificate > Create and Install a Certificate from a Certificate Authority (CA) > Import and Export the Certificate and Private Key > Import a Certificate and Private Key

Import a Certificate and Private Key

- 1. Start your web browser.
- 2. Type "http://machine's IP address" in your browser's address bar (where "machine's IP address" is the machine's IP address).

For example:

http://192.168.1.2



- If you are using a Domain Name System or enable a NetBIOS name, you can type another name, such as "SharedPrinter" instead of the IP address.
 - For example:

http://SharedPrinter

If you enable a NetBIOS name, you can also use the node name.

- For example:

http://brnxxxxxxxxxxxx

The NetBIOS name can be found in the Network Configuration Report.

- For Mac, access Web Based Management by clicking the machine's icon on the Status Monitor screen.
- 3. No password is required by default. Type a password if you have set one, and then click



- 4. Click the Network tab.
- 5. Click the Security tab.
- 6. Click Certificate.
- 7. Click Import Certificate and Private Key.
- 8. Browse to the file you want to import.
- 9. Type the password if the file is encrypted, and then click Submit.

The certificate and private key are imported to your machine.

To use SSL/TLS communication, the Root Certificate from the CA must also be installed on your computer. Contact your network administrator.



Related Information

· Import and Export the Certificate and Private Key

▲ Home > Security > Network Security Features > Manage Your Network Machine Securely Using SSL/ TLS > Certificates and Web Based Management > Create and Install a Certificate > Create and Install a Certificate from a Certificate Authority (CA) > Import and Export the Certificate and Private Key > Export the Certificate and Private Key

Export the Certificate and Private Key

- 1. Start your web browser.
- 2. Type "http://machine's IP address" in your browser's address bar (where "machine's IP address" is the machine's IP address).

For example:

http://192.168.1.2



- If you are using a Domain Name System or enable a NetBIOS name, you can type another name, such as "SharedPrinter" instead of the IP address.
 - For example:

http://SharedPrinter

If you enable a NetBIOS name, you can also use the node name.

For example:

http://brnxxxxxxxxxxxx

The NetBIOS name can be found in the Network Configuration Report.

- For Mac, access Web Based Management by clicking the machine's icon on the Status Monitor screen.
- 3. No password is required by default. Type a password if you have set one, and then click



- 4. Click the Network tab.
- 5. Click the Security tab.
- 6. Click Certificate.
- 7. Click Export shown with Certificate List.
- 8. Enter the password if you want to encrypt the file. If a blank password is used, the output is not encrypted.

9. Enter the password again for confirmation, and then click **Submit**.

- 10. Click Save.
- 11. Specify the location where you want to save the file.

The certificate and private key are exported to your computer.

You can also import the certificate to your computer.



Related Information

Import and Export the Certificate and Private Key

▲ Home > Security > Network Security Features > Manage Your Network Machine Securely Using SSL/ TLS > Certificates and Web Based Management > Create and Install a Certificate > Import and Export a CA Certificate

Import and Export a CA Certificate

You can import, export and store CA certificates on your Brother machine.

- Import a CA Certificate
- Export a CA Certificate

▲ Home > Security > Network Security Features > Manage Your Network Machine Securely Using SSL/ TLS > Certificates and Web Based Management > Create and Install a Certificate > Import and Export a CA Certificate > Import a CA Certificate

Import a CA Certificate

- 1. Start your web browser.
- 2. Type "http://machine's IP address" in your browser's address bar (where "machine's IP address" is the machine's IP address).

For example:

http://192.168.1.2



- If you are using a Domain Name System or enable a NetBIOS name, you can type another name, such as "SharedPrinter" instead of the IP address.
 - For example:

http://SharedPrinter

If you enable a NetBIOS name, you can also use the node name.

For example:

http://brnxxxxxxxxxxxx

The NetBIOS name can be found in the Network Configuration Report.

- For Mac, access Web Based Management by clicking the machine's icon on the Status Monitor screen.
- 3. No password is required by default. Type a password if you have set one, and then click



- 4. Click the Network tab.
- 5. Click the Security tab.
- 6. Click CA Certificate.
- 7. Click Import CA Certificate.
- 8. Browse to the file you want to import.
- 9. Click Submit.

V

Related Information

· Import and Export a CA Certificate

▲ Home > Security > Network Security Features > Manage Your Network Machine Securely Using SSL/ TLS > Certificates and Web Based Management > Create and Install a Certificate > Import and Export a CA Certificate > Export a CA Certificate

Export a CA Certificate

- 1. Start your web browser.
- 2. Type "http://machine's IP address" in your browser's address bar (where "machine's IP address" is the machine's IP address).

For example:

http://192.168.1.2



- If you are using a Domain Name System or enable a NetBIOS name, you can type another name, such as "SharedPrinter" instead of the IP address.
 - For example:

http://SharedPrinter

If you enable a NetBIOS name, you can also use the node name.

For example:

http://brnxxxxxxxxxxxx

The NetBIOS name can be found in the Network Configuration Report.

- For Mac, access Web Based Management by clicking the machine's icon on the Status Monitor screen.
- 3. No password is required by default. Type a password if you have set one, and then click



- 4. Click the Network tab.
- 5. Click the Security tab.
- 6. Click CA Certificate.
- 7. Select the certificate you want to export and click **Export**.
- 8. Click Submit.
- 9. Click Save.
- 10. Specify where on your computer you want to save the exported certificate, and save it.

Related Information

Import and Export a CA Certificate

▲ Home > Security > Network Security Features > Manage Your Network Machine Securely Using SSL/ TLS > Certificates and Web Based Management > Manage Multiple Certificates

Manage Multiple Certificates

The multiple certificate feature allows you to use Web Based Management to manage each certificate installed on your machine. In Web Based Management, navigate to the **Certificate** or **CA Certificate** screen to view certificate content, delete, or export your certificates.

	Maximum Number of Certificates Stored UP on Brother Machine
Self-signed Certificate or Certificate Issued by a CA	6
CA Certificate	10

We recommend storing one less certificate than allowed, reserving an empty spot in case of certificate expiration. When a certificate expires, import a new certificate into the reserved spot, and then delete the expired certificate. This ensures that you avoid configuration failure.



- When you use HTTPS/IPPS, IEEE 802.1x, or Signed PDF, you must select which certificate you are using.
- When you use SSL for SMTP/POP3/IMAP4 communications, you do not have to choose the certificate. The necessary certificate will be chosen automatically.

Related Information

Certificates and Web Based Management

▲ Home > Security > Network Security Features > Manage Your Network Machine Securely Using SSL/ TLS > Manage Your Network Machine Securely Using Web Based Management

Manage Your Network Machine Securely Using Web Based Management

To manage your network machine securely, you must use management utilities with security protocols.

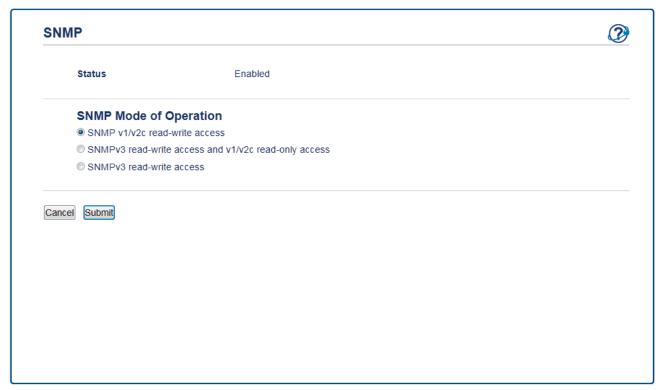
We recommend using the HTTPS protocol for secure management. To use this protocol, HTTPS must be enabled on your machine.



- The HTTPS protocol is enabled by default.
- You can change the HTTPS protocol settings using the Web Based Management screen.
- 1. Start your web browser.
- Type "https://Common Name" in your browser's address bar (where "Common Name" is the Common Name that you assigned to the certificate; this could be your IP address, node name, or domain name).
- 3. No password is required by default. Type a password if you have set one, and then click ->.
- 4. You can now access the machine using HTTPS.



- If you use the SNMPv3 protocol, follow the steps below.
- You can also change the SNMP settings by using BRAdmin Professional.
- 5. Click the Network tab.
- 6. Click Protocol.
- 7. Make sure the **SNMP** setting is enabled, and then click **Advanced Settings**.
- 8. Configure the SNMP settings.



There are three options for **SNMP Mode of Operation**.

SNMP v1/v2c read-write access

In this mode, the print server uses version 1 and version 2c of the SNMP protocol. You can use all Brother applications in this mode. However, it is not secure since it will not authenticate the user, and data will not be encrypted.

SNMPv3 read-write access and v1/v2c read-only access

In this mode, the print server uses the read-write access of version 3 and the read-only access of version 1 and version 2c of the SNMP protocol.



When you use **SNMPv3 read-write access and v1/v2c read-only access** mode, some Brother applications (such as BRAdmin Light) that access the print server do not work correctly since they authorize the read-only access of version 1 and version 2c. If you want to use all applications, we recommend using **SNMP v1/v2c read-write access** mode.

SNMPv3 read-write access

In this mode, the print server uses version 3 of the SNMP protocol. If you want to manage the print server securely, use this mode.



When you use **SNMPv3 read-write access** mode, note the following:

- You can use only BRAdmin Professional or Web Based Management to manage the print server.
- Except for BRAdmin Professional, all applications that use SNMPv1/v2c will be restricted. To allow the
 use of SNMPv1/v2c applications, use SNMPv3 read-write access and v1/v2c read-only access or
 SNMP v1/v2c read-write access mode.
- 9. Click Submit.



Related Information

· Manage Your Network Machine Securely Using SSL/TLS

▲ Home > Security > Network Security Features > Manage Your Network Machine Securely Using SSL/ TLS > Manage Your Network Machine Securely Using BRAdmin Professional (Windows)

Manage Your Network Machine Securely Using BRAdmin Professional (Windows)

To use BRAdmin Professional utility, you must:

- Use the latest version of BRAdmin Professional. Go to your model's **Downloads** page on the Brother Solutions Center at support.brother.com.
- Use Web Based Management with the HTTPS protocol if you use BRAdmin Professional and Web Based Management together.
- Use a different password in each group if you are managing a mixed group of older and newer print servers with BRAdmin Professional. This will ensure security is maintained on the newer print servers.



- "Older versions of BRAdmin" refer to BRAdmin Professional older than Ver. 2.80 and BRAdmin Light for Mac older than Ver.1.10.
- "Older print servers" refer to NC-2000 series, NC-2100p, NC-3100h, NC-3100s, NC-4100h, NC-5100h, NC-5200h, NC-6100h, NC-6200h, NC-6300h, NC-6400h, NC-8000, NC-100h, NC-110h, NC-120w, NC-130h, NC-140w, NC-8100h, NC-9100h, NC-7100w, NC-7200w and NC-2200w.

Related Information

· Manage Your Network Machine Securely Using SSL/TLS

▲ Home > Security > Network Security Features > Manage Your Network Machine Securely Using SSL/TLS > Print Documents Securely Using SSL/TLS

Print Documents Securely Using SSL/TLS

To print documents securely with IPP protocol, use the IPPS protocol.

- 1. Start your web browser.
- 2. Type "http://machine's IP address" in your browser's address bar (where "machine's IP address" is the machine's IP address).

For example:

http://192.168.1.2



- If you are using a Domain Name System or enable a NetBIOS name, you can type another name, such as "SharedPrinter" instead of the IP address.
 - For example:

http://SharedPrinter

If you enable a NetBIOS name, you can also use the node name.

For example:

http://brnxxxxxxxxxxxx

The NetBIOS name can be found in the Network Configuration Report.

- For Mac, access Web Based Management by clicking the machine's icon on the Status Monitor screen.
- 3. No password is required by default. Type a password if you have set one, and then click



- 4. Click the Network tab.
- 5. Click **Protocol**. Make sure the **IPP** check box is selected.



If the IPP check box is not selected, select the IPP check box, and then click Submit.

Restart your machine to activate the configuration.

After the machine restarts, return to the machine's web page, click the **Network** tab, and then click **Protocol**.

- 6. Click HTTP Server Settings.
- 7. Select the HTTPS(Port443) check box in the IPP, and then click Submit.
- 8. Restart your machine to activate the configuration.

Communication using IPPS cannot prevent unauthorised access to the print server.



Related Information

Manage Your Network Machine Securely Using SSL/TLS

▲ Home > Security > Network Security Features > Manage Your Network Machine Securely Using IPsec

Manage Your Network Machine Securely Using IPsec

- Introduction to IPsec
- Configure IPsec Using Web Based Management
- Configure an IPsec Address Template Using Web Based Management
- Configure an IPsec Template Using Web Based Management

▲ Home > Security > Network Security Features > Manage Your Network Machine Securely Using IPsec > Introduction to IPsec

Introduction to IPsec

IPsec (Internet Protocol Security) is a security protocol that uses an optional Internet Protocol function to prevent manipulation and ensure the confidentiality of data transmitted as IP packets. IPsec encrypts data carried over the network, such as print data sent from computers to a printer. Because the data is encrypted at the network layer, applications that employ a higher-level protocol use IPsec even if the user is not aware of its use.

IPsec supports the following functions:

· IPsec transmissions

According to the IPsec setting conditions, the network-connected computer sends data to and receives data from the specified device using IPsec. When the devices start communicating using IPsec, keys are exchanged using Internet Key Exchange (IKE) first, and then the encrypted data is transmitted using the keys.

In addition, IPsec has two operation modes: the Transport mode and Tunnel mode. The Transport mode is used mainly for communication between devices and the Tunnel mode is used in environments such as a Virtual Private Network (VPN).



For IPsec transmissions, the following conditions are necessary:

- A computer that can communicate using IPsec is connected to the network.
- Your Brother machine is configured for IPsec communication.
- The computer connected to your Brother machine is configured for IPsec connections.
- IPsec settings

The settings that are necessary for connections using IPsec. These settings can be configured using Web Based Management.



To configure the IPsec settings, you must use the browser on a computer that is connected to the network.

Related Information

Manage Your Network Machine Securely Using IPsec

▲ Home > Security > Network Security Features > Manage Your Network Machine Securely Using IPsec > Configure IPsec Using Web Based Management

Configure IPsec Using Web Based Management

The IPsec connection conditions are comprised of two Template types: Address and IPsec. You can configure up to 10 connection conditions.

- 1. Start your web browser.
- 2. Type "http://machine's IP address" in your browser's address bar (where "machine's IP address" is the machine's IP address).

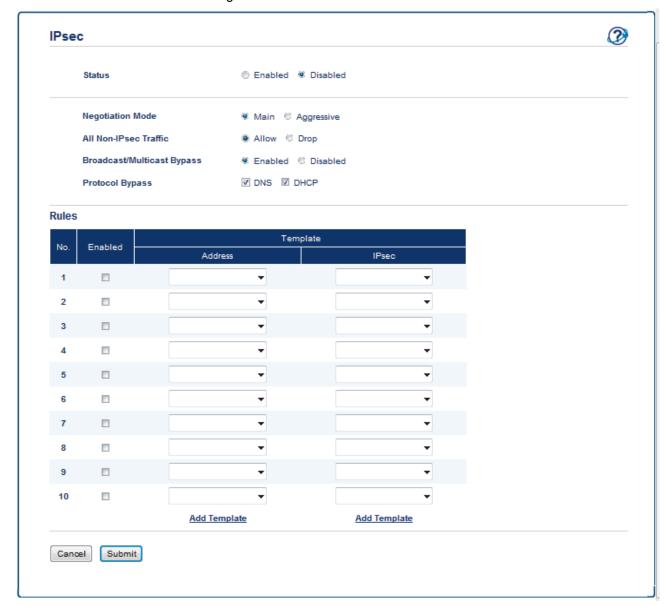
For example:

http://192.168.1.2

3. No password is required by default. Type a password if you have set one, and then click



- 4. Click the Network tab.
- 5. Click the Security tab.
- 6. Click the IPsec menu in the left navigation bar.



- 7. In the **Status** field, enable or disable IPsec.
- 8. Select **Negotiation Mode** for IKE Phase 1.

IKE is a protocol that is used to exchange encryption keys in order to carry out encrypted communication using IPsec.

In **Main** mode, the processing speed is slow, but the security is high. In **Aggressive** mode, the processing speed is faster than **Main** mode, but the security is lower.

9. In the All Non-IPsec Traffic field, select the action to be taken for non-IPsec packets.

When using Web Services, you must select **Allow** for **All Non-IPsec Traffic**. If you select **Drop**, Web Services cannot be used.

- 10. In the Broadcast/Multicast Bypass field, select Enabled or Disabled.
- 11. In the **Protocol Bypass** field, select the check box for the option or options you want.
- 12. In the **Rules** table, select the **Enabled** check box to activate the template.

When you select multiple check boxes, the lower numbered check boxes have priority if the settings for the selected check boxes conflict.

13. Click on the corresponding drop-down list to select the **Address Template** that is used for the IPsec connection conditions.

To add an Address Template, click Add Template.

14. Click on the corresponding drop-down list to select the **IPsec Template** that is used for the IPsec connection conditions.

To add an IPsec Template, click Add Template.

15. Click Submit.

If the machine must be restarted to register the new settings, the restart confirmation screen will appear. If there is a blank item in the template you enabled in the **Rules** table, an error message appears. Confirm your choices and click **Submit** again.



Related Information

Manage Your Network Machine Securely Using IPsec

▲ Home > Security > Network Security Features > Manage Your Network Machine Securely Using IPsec > Configure an IPsec Address Template Using Web Based Management

Configure an IPsec Address Template Using Web Based Management

- 1. Start your web browser.
- 2. Type "http://machine's IP address" in your browser's address bar (where "machine's IP address" is the machine's IP address).

For example:

http://192.168.1.2

3. No password is required by default. Type a password if you have set one, and then click

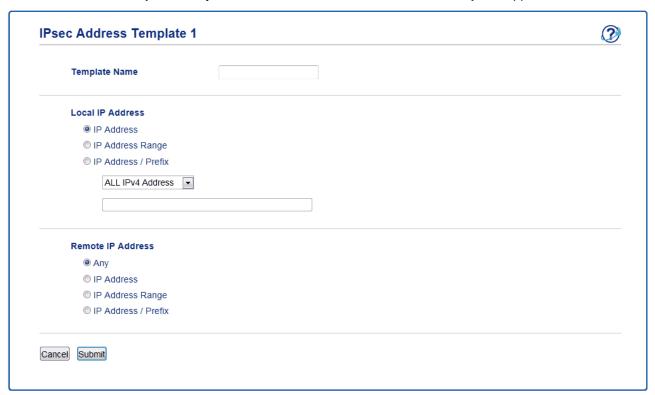


- 4. Click the Network tab.
- 5. Click the Security tab.
- 6. Click the **IPsec Address Template** menu in the left navigation bar.

The Template List appears, displaying 10 Address Templates.

Click the **Delete** button to delete an **Address Template**. When an **Address Template** is in use, it cannot be deleted.

7. Click the Address Template that you want to create. The IPsec Address Template appears.



- 8. In the **Template Name** field, type a name for the template (up to 16 characters).
- 9. Select a Local IP Address option to specify the IP address conditions for the sender:
 - IP Address

Specify the IP address. Select ALL IPv4 Address, ALL IPv6 Address, ALL Link Local IPv6, or Custom from the drop-down list.

If you select **Custom** from the drop-down list, type the IP address (IPv4 or IPv6) in the text box.

IP Address Range

Type the starting and ending IP addresses for the IP address range in the text boxes. If the starting and ending IP addresses are not standardized to IPv4 or IPv6, or the ending IP address is smaller than the starting address, an error will occur.

IP Address / Prefix

Specify the IP address using CIDR notation.

For example: 192.168.1.1/24

Because the prefix is specified in the form of a 24-bit subnet mask (255.255.255.0) for 192.168.1.1, the addresses 192.168.1.xxx are valid.

10. Select a **Remote IP Address** option to specify the IP address conditions for the recipient:

Any

If you select **Any**, all IP addresses are enabled.

IP Address

Type the specified IP address (IPv4 or IPv6) in the text box.

IP Address Range

Type the starting and ending IP addresses for the IP address range. If the starting and ending IP addresses are not standardized to IPv4 or IPv6, or the ending IP address is smaller than the starting address, an error will occur.

IP Address / Prefix

Specify the IP address using CIDR notation.

For example: 192.168.1.1/24

Because the prefix is specified in the form of a 24-bit subnet mask (255.255.255.0) for 192.168.1.1, the addresses 192.168.1.xxx are valid.

11. Click Submit.



When you change the settings for the template currently in use, restart your machine to active the configuration.

Related Information

• Manage Your Network Machine Securely Using IPsec

▲ Home > Security > Network Security Features > Manage Your Network Machine Securely Using IPsec > Configure an IPsec Template Using Web Based Management

Configure an IPsec Template Using Web Based Management

- 1. Start your web browser.
- 2. Type "http://machine's IP address" in your browser's address bar (where "machine's IP address" is the machine's IP address).

For example:

http://192.168.1.2

3. No password is required by default. Type a password if you have set one, and then click

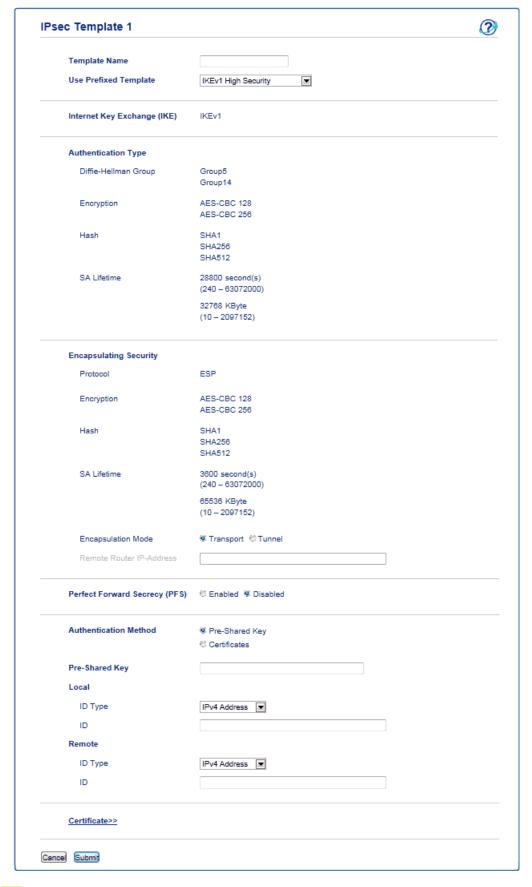


- 4. Click the Network tab.
- 5. Click the Security tab.
- 6. Click **IPsec Template** in the left navigation bar.

The Template List appears, displaying 10 IPsec Templates.

Click the **Delete** button to delete an **IPsec Template**. When an **IPsec Template** is in use, it cannot be deleted.

- 7. Click **IPsec Template** that you want to create. The **IPsec Template** screen appears. The configuration fields differ based on the **Use Prefixed Template** and **Internet Key Exchange (IKE)** you select.
- 8. In the **Template Name** field, type a name for the template (up to 16 characters).
- 9. If you selected **Custom** in the **Use Prefixed Template** drop-down list, select the **Internet Key Exchange** (**IKE**) options, and then change the settings if needed.
- 10. Click Submit.

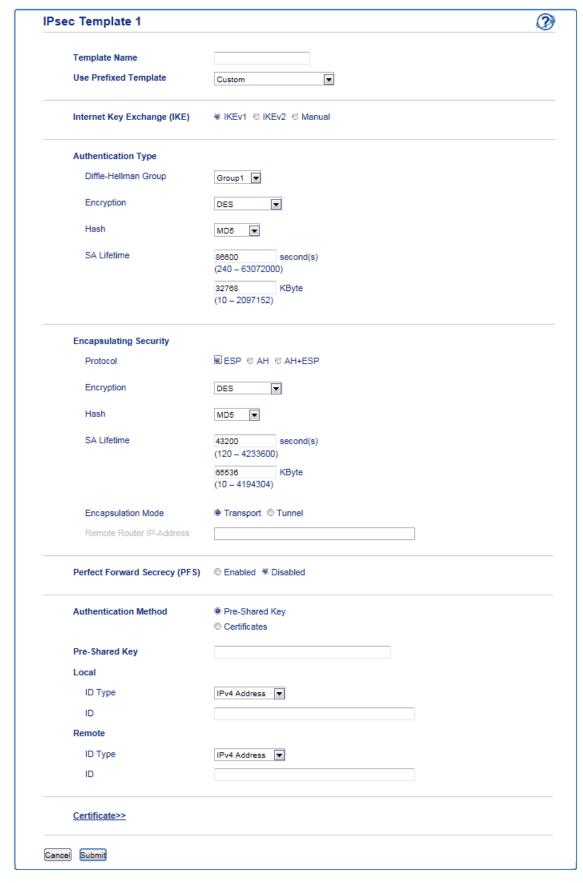


Related Information

- Manage Your Network Machine Securely Using IPsec
- IKEv1 Settings for an IPsec Template
- IKEv2 Settings for an IPsec Template
- · Manual Settings for an IPsec Template

▲ Home > Security > Network Security Features > Manage Your Network Machine Securely Using IPsec > Configure an IPsec Template Using Web Based Management > IKEv1 Settings for an IPsec Template

IKEv1 Settings for an IPsec Template



Template Name

Type a name for the template (up to 16 characters).

Use Prefixed Template

Select **Custom**, **IKEv1 High Security** or **IKEv1 Medium Security**. The setting items are different depending on the selected template.



The default template differs depending on whether you chose **Main** or **Aggressive** for **Negotiation Mode** on the **IPsec** configuration screen.

Internet Key Exchange (IKE)

IKE is a communication protocol that is used to exchange encryption keys in order to carry out encrypted communication using IPsec. To carry out encrypted communication for that time only, the encryption algorithm that is necessary for IPsec is determined and the encryption keys are shared. For IKE, the encryption keys are exchanged using the Diffie-Hellman key exchange method, and encrypted communication that is limited to IKE is carried out.

If you selected Custom in Use Prefixed Template, select IKEv1.

Authentication Type

Configure the IKE authentication and encryption.

Diffie-Hellman Group

This key exchange method allows secret keys to be securely exchanged over an unprotected network. The Diffie-Hellman key exchange method uses a discrete logarithm problem, not the secret key, to send and receive open information that was generated using a random number and the secret key.

Select Group1, Group2, Group5, or Group14.

Encryption

Select DES, 3DES, AES-CBC 128, or AES-CBC 256.

Hash

Select MD5, SHA1, SHA256, SHA384 or SHA512.

SA Lifetime

Specify the IKE SA lifetime.

Type the time (seconds) and number of kilobytes (KByte).

Encapsulating Security

Protocol

Select ESP, AH or AH+ESP.



- ESP is a protocol for carrying out encrypted communication using IPsec. ESP encrypts the payload (communicated contents) and adds additional information. The IP packet is comprised of the header and the encrypted payload, which follows the header. In addition to the encrypted data, the IP packet also includes information regarding the encryption method and encryption key, the authentication data, and so on.
- AH is part of the IPsec protocol that authenticates the sender and prevents manipulation (ensures the completeness) of the data. In the IP packet, the data is inserted immediately after the header. In addition, the packets include hash values, which are calculated using an equation from the communicated contents, secret key, and so on, in order to prevent the falsification of the sender and manipulation of the data. Unlike ESP, the communicated contents are not encrypted, and the data is sent and received as plain text.

Encryption

Select DES, 3DES, AES-CBC 128, or AES-CBC 256.

Hash

Select None, MD5, SHA1, SHA256, SHA384, or SHA512.

When AH+ESP is selected in Protocol, select each protocol for Hash(ESP) and Hash(AH).

SA Lifetime

Specify the IPsec SA lifetime.

Type the time (seconds) and number of kilobytes (KByte) before the IPsec SA will expire.

Encapsulation Mode

Select Transport or Tunnel.

Remote Router IP-Address

Type the IP address (IPv4 or IPv6) of the remote router. Enter this information only when the **Tunnel** mode is selected.



SA (Security Association) is an encrypted communication method using IPsec or IPv6 that exchanges and shares information, such as the encryption method and encryption key, in order to establish a secure communication channel before communication begins. SA may also refer to a virtual encrypted communication channel that has been established. The SA used for IPsec establishes the encryption method, exchanges the keys, and carries out mutual authentication according to the IKE (Internet Key Exchange) standard procedure. In addition, the SA is updated periodically.

Perfect Forward Secrecy (PFS)

PFS does not derive keys from previous keys that were used to encrypt messages. In addition, if a key that is used to encrypt a message was derived from a parent key, that parent key is not used to derive other keys. Therefore, even if a key is compromised, the damage will be limited only to the messages that were encrypted using that key.

Select Enabled or Disabled.

Authentication Method

Select the authentication method. Select Pre-Shared Key or Certificates.

Pre-Shared Key

When encrypting communication, the encryption key is exchanged and shared beforehand using another channel.

If you selected **Pre-Shared Key** for the **Authentication Method**, type the **Pre-Shared Key** (up to 32 characters).

Local/ID Type/ID

Select the sender's ID type, and then type the ID.

Select IPv4 Address, IPv6 Address, FQDN, E-mail Address, or Certificate for the type.

If you select Certificate, type the common name of the certificate in the ID field.

Remote/ID Type/ID

Select the recipient's ID type, and then type the ID.

Select IPv4 Address, IPv6 Address, FQDN, E-mail Address, or Certificate for the type.

If you select **Certificate**, type the common name of the certificate in the **ID** field.

Certificate

If you selected **Certificates** for **Authentication Method**, select the certificate.



You can select only the certificates that were created using the **Certificate** page of Web Based Management's Security configuration screen.



Related Information

Configure an IPsec Template Using Web Based Management

▲ Home > Security > Network Security Features > Manage Your Network Machine Securely Using IPsec > Configure an IPsec Template Using Web Based Management > IKEv2 Settings for an IPsec Template

IKEv2 Settings for an IPsec Template



Template Name

Type a name for the template (up to 16 characters).

Use Prefixed Template

Select **Custom**, **IKEv2 High Security**, or **IKEv2 Medium Security**. The setting items are different depending on the selected template.

Internet Key Exchange (IKE)

IKE is a communication protocol that is used to exchange encryption keys in order to carry out encrypted communication using IPsec. To carry out encrypted communication for that time only, the encryption algorithm that is necessary for IPsec is determined and the encryption keys are shared. For IKE, the encryption keys are exchanged using the Diffie-Hellman key exchange method, and encrypted communication that is limited to IKE is carried out.

If you selected Custom in Use Prefixed Template, select IKEv2.

Authentication Type

Configure the IKE authentication and encryption.

· Diffie-Hellman Group

This key exchange method allows secret keys to be securely exchanged over an unprotected network. The Diffie-Hellman key exchange method uses a discrete logarithm problem, not the secret key, to send and receive open information that was generated using a random number and the secret key.

Select Group1, Group2, Group5, or Group14.

Encryption

Select DES, 3DES, AES-CBC 128, or AES-CBC 256.

Hash

Select MD5, SHA1, SHA256, SHA384 or SHA512.

SA Lifetime

Specify the IKE SA lifetime.

Type the time (seconds) and number of kilobytes (KByte).

Encapsulating Security

Protocol

Select ESP.



ESP is a protocol for carrying out encrypted communication using IPsec. ESP encrypts the payload (communicated contents) and adds additional information. The IP packet is comprised of the header and the encrypted payload, which follows the header. In addition to the encrypted data, the IP packet also includes information regarding the encryption method and encryption key, the authentication data, and so on.

Encryption

Select DES, 3DES, AES-CBC 128, or AES-CBC 256.

Hash

Select MD5, SHA1, SHA256, SHA384, or SHA512.

SA Lifetime

Specify the IPsec SA lifetime.

Type the time (seconds) and number of kilobytes (KByte) before the IPsec SA will expire.

Encapsulation Mode

Select Transport or Tunnel.

Remote Router IP-Address

Type the IP address (IPv4 or IPv6) of the remote router. Enter this information only when the **Tunnel** mode is selected.



SA (Security Association) is an encrypted communication method using IPsec or IPv6 that exchanges and shares information, such as the encryption method and encryption key, in order to establish a secure communication channel before communication begins. SA may also refer to a virtual encrypted communication channel that has been established. The SA used for IPsec establishes the encryption method, exchanges the keys, and carries out mutual authentication according to the IKE (Internet Key Exchange) standard procedure. In addition, the SA is updated periodically.

Perfect Forward Secrecy (PFS)

PFS does not derive keys from previous keys that were used to encrypt messages. In addition, if a key that is used to encrypt a message was derived from a parent key, that parent key is not used to derive other keys. Therefore, even if a key is compromised, the damage will be limited only to the messages that were encrypted using that key.

Select Enabled or Disabled.

Authentication Method

Select the authentication method. Select Pre-Shared Key, Certificates, EAP - MD5, or EAP - MS-CHAPv2.

Pre-Shared Key

When encrypting communication, the encryption key is exchanged and shared beforehand using another channel

If you selected **Pre-Shared Key** for the **Authentication Method**, type the **Pre-Shared Key** (up to 32 characters).

Local/ID Type/ID

Select the sender's ID type, and then type the ID.

Select IPv4 Address, IPv6 Address, FQDN, E-mail Address, or Certificate for the type.

If you select **Certificate**, type the common name of the certificate in the **ID** field.

Remote/ID Type/ID

Select the recipient's ID type, and then type the ID.

Select IPv4 Address, IPv6 Address, FQDN, E-mail Address, or Certificate for the type.

If you select **Certificate**, type the common name of the certificate in the **ID** field.

Certificate

If you selected Certificates for Authentication Method, select the certificate.



You can select only the certificates that were created using the **Certificate** page of Web Based Management's Security configuration screen.

EAP

EAP is an authentication protocol that is an extension of PPP. By using EAP with IEEE802.1x, a different key is used for user authentication during each session.

The following settings are necessary only when **EAP - MD5** or **EAP - MS-CHAPv2** is selected in **Authentication Method**:

Mode

Select Server-Mode or Client-Mode.

Certificate

Select the certificate.

User Name

Type the user name (up to 32 characters).

Password

Type the password (up to 32 characters). The password must be entered two times for confirmation.

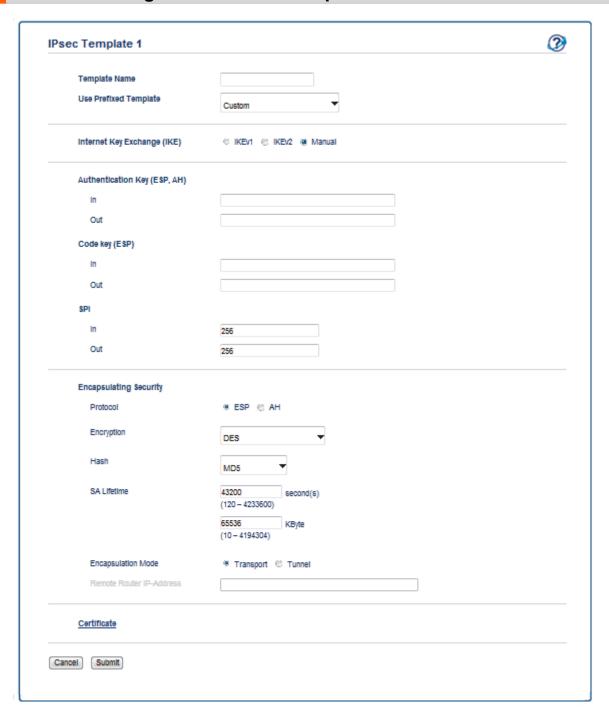


Related Information

Configure an IPsec Template Using Web Based Management

▲ Home > Security > Network Security Features > Manage Your Network Machine Securely Using IPsec > Configure an IPsec Template Using Web Based Management > Manual Settings for an IPsec Template

Manual Settings for an IPsec Template



Template Name

Type a name for the template (up to 16 characters).

Use Prefixed Template

Select Custom.

Internet Key Exchange (IKE)

IKE is a communication protocol that is used to exchange encryption keys in order to carry out encrypted communication using IPsec. To carry out encrypted communication for that time only, the encryption algorithm that is necessary for IPsec is determined and the encryption keys are shared. For IKE, the encryption keys are exchanged using the Diffie-Hellman key exchange method, and encrypted communication that is limited to IKE is carried out.

Select Manual.

Authentication Key (ESP,AH)

Specify the key to use for authentication. Type the In/Out values.

These settings are necessary when **Custom** is selected for **Use Prefixed Template**, **Manual** is selected for **Internet Key Exchange (IKE)**, and a setting other than **None** is selected for **Hash** for **Encapsulating Security** section.



The number of characters you can set differs depending on the setting you chose for **Hash** in the **Encapsulating Security** section.

If the length of the specified authentication key is different than the selected hash algorithm, an error will occur.

• MD5: 128 bits (16 bytes)

SHA1: 160 bits (20 bytes)

SHA256: 256 bits (32 bytes)

SHA384: 384 bits (48 bytes)

SHA512: 512 bits (64 bytes)

When you specify the key in ASCII Code, enclose the characters in double quotation marks (").

Code key (ESP)

Specify the key to use for encryption. Type the In/Out values.

These settings are necessary when **Custom** is selected in **Use Prefixed Template**, **Manual** is selected in **Internet Key Exchange (IKE)**, and **ESP** is selected in **Protocol** in **Encapsulating Security**.



The number of characters you can set differs depending on the setting you chose for **Encryption** in the **Encapsulating Security** section.

If the length of the specified code key is different than the selected encryption algorithm, an error will occur.

DES: 64 bits (8 bytes)

3DES: 192 bits (24 bytes)

AES-CBC 128: 128 bits (16 bytes)

AES-CBC 256: 256 bits (32 bytes)

When you specify the key in ASCII Code, enclose the characters in double quotation marks (").

SPI

These parameters are used to identify security information. Generally, a host has multiple Security Associations (SAs) for several types of IPsec communication. Therefore, it is necessary to identify the applicable SA when an IPsec packet is received. The SPI parameter, which identifies the SA, is included in the Authentication Header (AH) and Encapsulating Security Payload (ESP) header.

These settings are necessary when **Custom** is selected for **Use Prefixed Template**, and **Manual** is selected for **Internet Key Exchange (IKE)**.

Enter the In/Out values. (3-10 characters)

Encapsulating Security

Protocol

Select ESP or AH.



- ESP is a protocol for carrying out encrypted communication using IPsec. ESP encrypts the payload (communicated contents) and adds additional information. The IP packet is comprised of the header and the encrypted payload, which follows the header. In addition to the encrypted data, the IP packet also includes information regarding the encryption method and encryption key, the authentication data, and so on.
- AH is part of the IPsec protocol that authenticates the sender and prevents manipulation of the data (ensures the completeness of the data). In the IP packet, the data is inserted immediately after the header. In addition, the packets include hash values, which are calculated using an equation from the communicated contents, secret key, and so on, in order to prevent the falsification of the sender and manipulation of the data. Unlike ESP, the communicated contents are not encrypted, and the data is sent and received as plain text.

Encryption

Select DES, 3DES, AES-CBC 128, or AES-CBC 256.

Hash

Select None, MD5, SHA1, SHA256, SHA384, or SHA512. None can be selected only when ESP is selected in **Protocol**.

SA Lifetime

Specify the IKE SA lifetime.

Type the time (seconds) and number of kilobytes (KByte) before the IPsec SA will expire.

Encapsulation Mode

Select Transport or Tunnel.

Remote Router IP-Address

Specify the IP address (IPv4 or IPv6) of the connection destination. Enter this information only when the **Tunnel** mode is selected.



SA (Security Association) is an encrypted communication method using IPsec or IPv6 that exchanges and shares information, such as the encryption method and encryption key, in order to establish a secure communication channel before communication begins. SA may also refer to a virtual encrypted communication channel that has been established. The SA used for IPsec establishes the encryption method, exchanges the keys, and carries out mutual authentication according to the IKE (Internet Key Exchange) standard procedure. In addition, the SA is updated periodically.

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Related Information

Configure an IPsec Template Using Web Based Management

▲ Home > Security > Network Security Features > Send or Receive an Email Securely

Send or Receive an Email Securely

- Configure Email Sending or Receiving Using Web Based Management
- Send an Email with User Authentication
- Send or Receive an Email Securely Using SSL/TLS

▲ Home > Security > Network Security Features > Send or Receive an Email Securely > Configure Email Sending or Receiving Using Web Based Management

Configure Email Sending or Receiving Using Web Based Management

We recommend using Web Based Management to configure secured email sending with user authentication, or email sending and receiving using SSL/TLS.

- 1. Start your web browser.
- 2. Type "http://machine's IP address" in your browser's address bar (where "machine's IP address" is the machine's IP address).

For example:

http://192.168.1.2

3. No password is required by default. Type a password if you have set one, and then click



- 4. Click the **Network** tab.
- 5. Click the **Protocol** menu in the left navigation bar.
- In the POP3/IMAP4/SMTP field, click Advanced Settings and make sure the status of POP3/IMAP4/SMTP is Enabled.
- 7. Configure the POP3/IMAP4/SMTP settings.
 - Confirm that the email settings are correct after configuration by sending a test email.
 - If you do not know the POP3/IMAP4/SMTP server settings, contact your network administrator or Internet Service Provider (ISP).
- 8. When finished, click Submit.

The Test Send/Receive E-mail Configuration dialog box appears.

9. Follow the instructions in the dialog box to test the current settings.

Related Information

Send or Receive an Email Securely

▲ Home > Security > Network Security Features > Send or Receive an Email Securely > Send an Email with User Authentication

Send an Email with User Authentication

Your Brother machine supports the SMTP-AUTH method to send email via an email server that requires user authentication. This method prevents unauthorised users from accessing the email server.

You can use SMTP-AUTH for email notification, email reports and I-Fax.



We recommend using Web Based Management to configure the SMTP authentication.

Email Server Settings

You must configure your machine's SMTP authentication method to match the method used by your email server. For details about your email server settings, contact your network administrator or Internet Service Provider (ISP).



To enable SMTP server authentication: in the Web Based Management **POP3/IMAP4/SMTP** screen, under **Server Authentication Method**, you must select **SMTP-AUTH**.

Related Information

· Send or Receive an Email Securely

▲ Home > Security > Network Security Features > Send or Receive an Email Securely > Send or Receive an Email Securely Using SSL/TLS

Send or Receive an Email Securely Using SSL/TLS

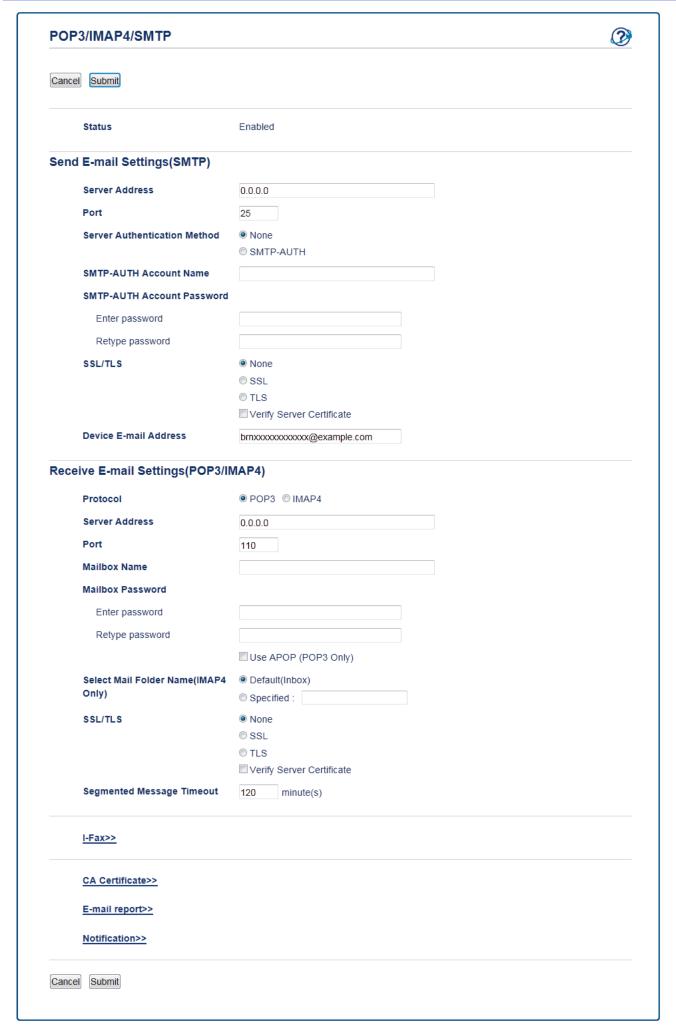
Your Brother machine supports SSL/TLS methods to send or receive an email via an email server that requires secure SSL/TLS communication. To send or receive email via an email server that is using SSL/TLS communication, you must configure SMTP over SSL/TLS, POP3 over SSL/TLS, or IMAP4 over SSL/TLS.



We recommend using Web Based Management to configure SSL/TLS.

Verify Server Certificate

Under **SSL/TLS**, if you choose **SSL** or **TLS**, the **Verify Server Certificate** check box will be selected automatically.





- Before you verify the server certificate, you must import the CA certificate issued by the CA that signed the server certificate. Contact your network administrator or your Internet Service Provider (ISP) to confirm if importing a CA certificate is necessary.
- If you do not need to verify the server certificate, clear the Verify Server Certificate check box.

Port Number

If you select **SSL** or **TLS** for SMTP, POP3, or IMAP4, the **Port** value will be changed to match the protocol. To change the port number manually, type the port number after you choose **SSL** or **TLS** for the **SSL/TLS** settings.

You must configure your machine's POP3/IMAP4/SMTP communication method to match the method used by your email server. For details about your email server settings, contact your network administrator or your ISP. In most cases, the secured webmail services require the following settings:

SMTP	Port	25
	Server Authentication Method	SMTP-AUTH
	SSL/TLS	TLS
POP3	Port	995
	SSL/TLS	SSL
IMAP4	Port	993
	SSL/TLS	SSL



Related Information

· Send or Receive an Email Securely

▲ Home > Security > Network Security Features > Use IEEE 802.1x Authentication for a Wired or a Wireless Network

Use IEEE 802.1x Authentication for a Wired or a Wireless Network

- What Is IEEE 802.1x Authentication?
- Configure IEEE 802.1x Authentication for a Wired or a Wireless Network Using Web Based Management (Web Browser)
- IEEE 802.1x Authentication Methods

▲ Home > Security > Network Security Features > Use IEEE 802.1x Authentication for a Wired or a Wireless Network > What Is IEEE 802.1x Authentication?

What Is IEEE 802.1x Authentication?

IEEE 802.1x is an IEEE standard for wired and wireless networks that limits access from unauthorised network devices. Your Brother machine (supplicant) sends an authentication request to a RADIUS server (Authentication server) through your access point or HUB. After your request has been verified by the RADIUS server, your machine can access the network.

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Related Information

Use IEEE 802.1x Authentication for a Wired or a Wireless Network

▲ Home > Security > Network Security Features > Use IEEE 802.1x Authentication for a Wired or a Wireless Network > Configure IEEE 802.1x Authentication for a Wired or a Wireless Network Using Web Based Management (Web Browser)

Configure IEEE 802.1x Authentication for a Wired or a Wireless Network Using Web Based Management (Web Browser)

- If you configure your machine using EAP-TLS authentication, you must install the client certificate issued by a CA before you start configuration. Contact your network administrator about the client certificate. If you have installed more than one certificate, we recommend writing down the certificate name you want to use.
- Before you verify the server certificate, you must import the CA certificate that has been issued by the CA that signed the server certificate. Contact your network administrator or your Internet Service Provider (ISP) to confirm whether a CA certificate import is necessary.



You can also configure IEEE 802.1x authentication using:

- BRAdmin Professional (Wired and wireless network)
- Wireless setup wizard from the control panel (Wireless network)
- Wireless setup wizard on the installation disc (Wireless network)
- 1. Start your web browser.
- 2. Type "http://machine's IP address" in your browser's address bar (where "machine's IP address" is the machine's IP address).

For example:

http://192.168.1.2



- If you are using a Domain Name System or enable a NetBIOS name, you can type another name, such as "SharedPrinter" instead of the IP address.
 - For example:

http://SharedPrinter

If you enable a NetBIOS name, you can also use the node name.

For example:

http://brnxxxxxxxxxxxx

The NetBIOS name can be found in the Network Configuration Report.

- For Mac, access Web Based Management by clicking the machine's icon on the Status Monitor screen.
- 3. No password is required by default. Type a password if you have set one, and then click



- 4. Click the Network tab.
- 5. Do one of the following:

Option	Description
Wired network	Click the Wired tab, and then select Wired 802.1x Authentication in the left navigation bar.
Wireless network	Click the Wireless tab, and then select Wireless (Enterprise) in the left navigation bar.

6. Configure the IEEE 802.1x authentication settings.



- To enable IEEE 802.1x authentication for wired networks, select Enabled for Wired 802.1x status on the Wired 802.1x Authentication page.
- If you are using **EAP-TLS** authentication, you must select the client certificate that has been installed (shown with certificate name) for verification from the **Client Certificate** drop-down list.
- If you select **EAP-FAST**, **PEAP**, **EAP-TTLS**, or **EAP-TLS** authentication, select the verification method from the **Server Certificate Verification** drop-down list. Verify the server certificate using the CA certificate, imported to the machine in advance, that has been issued by the CA that signed the server certificate.

Select one of the following verification methods from the Server Certificate Verification drop-down list:

Option	Description
No Verification	The server certificate can always be trusted. The verification is not performed.
CA Cert.	The verification method to check the CA reliability of the server certificate, using the CA certificate that has been issued by the CA that signed the server certificate.
CA Cert. + ServerID	The verification method to check the common name ¹ value of the server certificate, in addition to the CA reliability of the server certificate.

7. When finished with configuration, click **Submit**.

For wired networks: After configuring, connect your machine to the IEEE 802.1x supported network. After a few minutes, print the Network Configuration Report to check the **<Wired IEEE 802.1x>** Status.

Option	Description	
Success	s The wired IEEE 802.1x function is enabled and the authentication was successful.	
Failed	The wired IEEE 802.1x function is enabled; however, the authentication failed.	
Off	The wired IEEE 802.1x function is not available.	

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Related Information

Use IEEE 802.1x Authentication for a Wired or a Wireless Network

The common name verification compares the common name of the server certificate to the character string configured for the **Server ID**. Before you use this method, contact your system administrator about the server certificate's common name and then configure **Server ID**.

▲ Home > Security > Network Security Features > Use IEEE 802.1x Authentication for a Wired or a Wireless Network > IEEE 802.1x Authentication Methods

IEEE 802.1x Authentication Methods

LEAP (Wireless network)

Lightweight Extensible Authentication Protocol (LEAP) is a proprietary EAP method developed by Cisco Systems, Inc., which uses a user ID and password for authentication.

EAP-FAST

Extensible Authentication Protocol-Flexible Authentication via Secured Tunneling (EAP-FAST) has been developed by Cisco Systems, Inc., which uses a user ID and password for authentication, and symmetric key algorithms to achieve a tunnelled authentication process.

The Brother machine supports the following inner authentication methods:

- EAP-FAST/NONE
- EAP-FAST/MS-CHAPv2
- EAP-FAST/GTC

EAP-MD5 (Wired network)

Extensible Authentication Protocol-Message Digest Algorithm 5 (EAP-MD5) uses a user ID and password for challenge-response authentication.

PEAP

Protected Extensible Authentication Protocol (PEAP) is a version of EAP method developed by Cisco Systems, Inc., Microsoft Corporation and RSA Security. PEAP creates an encrypted Secure Sockets Layer (SSL)/Transport Layer Security (TLS) tunnel between a client and an authentication server, for sending a user ID and password. PEAP provides mutual authentication between the server and the client.

The Brother machine supports the following inner authentications:

- PEAP/MS-CHAPv2
- PEAP/GTC

EAP-TTLS

Extensible Authentication Protocol-Tunneled Transport Layer Security (EAP-TTLS) has been developed by Funk Software and Certicom. EAP-TTLS creates a similar encrypted SSL tunnel to PEAP, between a client and an authentication server, for sending a user ID and password. EAP-TTLS provides mutual authentication between the server and the client.

The Brother machine supports the following inner authentications:

- EAP-TTLS/CHAP
- EAP-TTLS/MS-CHAP
- EAP-TTLS/MS-CHAPv2
- FAP-TTLS/PAP

EAP-TLS

Extensible Authentication Protocol-Transport Layer Security (EAP-TLS) requires digital certificate authentication both at a client and an authentication server.

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Related Information

• Use IEEE 802.1x Authentication for a Wired or a Wireless Network

▲ Home > Security > Network Security Features > Store Print Log to Network

Store Print Log to Network

- Store Log to Network Overview
- Configure the Store Print Log to Network Settings Using Web Based Management
- Use the Store Print Log to Network's Error Detection Setting
- Use Store Print Log to Network with Secure Function Lock 3.0

▲ Home > Security > Network Security Features > Store Print Log to Network > Store Log to Network Overview

Store Log to Network Overview

The Store Print Log to Network feature allows you to save the print log file from your Brother machine to a network server using the Common Internet File System (CIFS) protocol. You can record the ID, type of print job, job name, user name, date, time and the number of printed pages for every print job. CIFS is a protocol that runs over TCP/IP, allowing computers on a network to share files over an intranet or the Internet.

The following print functions are recorded in the print log:

- · Print jobs from your computer
- USB Direct Print
- Copy
- Received Fax (supported models only)



- The Store Print Log to Network feature supports Kerberos authentication and NTLMv2 authentication.
 You must configure the SNTP protocol (network time server), or you must set the date, time and time zone correctly on the control panel for authentication.
- You can set the file type to TXT or CSV when storing a file to the server.

\checkmark

Related Information

Store Print Log to Network

▲ Home > Security > Network Security Features > Store Print Log to Network > Configure the Store Print Log to Network Settings Using Web Based Management

Configure the Store Print Log to Network Settings Using Web Based Management

- 1. Start your web browser.
- 2. Type "http://machine's IP address" in your browser's address bar (where "machine's IP address" is the machine's IP address).

For example:

http://192.168.1.2

3. No password is required by default. Type a password if you have set one, and then click



- 4. Click the Administrator tab.
- 5. Click the Store Print Log to Network menu.
- 6. In the Print Log field, click On.
- 7. Configure the following settings:

Option	Description	
Network Folder Path	Type the destination folder where your log will be stored on the CIFS server (i.e., \ComputerName\SharedFolder).	
File Name	Type the file name you want to use for the print log (up to 32 characters).	
File Type	Select the TXT or CSV option for the Print Log file type.	
Auth. Method	Select the authentication method required for access to the CIFS server: Auto , Kerberos , or NTLMv2 . Kerberos is an authentication protocol which allows devices or individuals to securely prove their identity to network servers using a single sign-on. NTLMv2 is the authentication method used by Windows to log into servers.	
	Auto: If you select Auto, NTLMv2 will be used to the authentication method.	
	Kerberos: Select the Kerberos option to use Kerberos authentication only.	
	NTLMv2: Select the NTLMv2 option to use NTLMv2 authentication only.	
	 For the Kerberos and NTLMv2 authentication, you must also configure the Date&Time settings or the SNTP protocol (network time server) and DNS server. You can also configure the Date & Time settings from the machine's control panel. 	
Username	Type the user name for the authentication (up to 96 characters).	
	If the user name is part of a domain, enter the user name in one of the following styles: user@domain or domain\user.	
Password	Type the password for the authentication (up to 32 characters).	
Kerberos Server Address (if needed)	Type the KDC host address (for example: kerberos.example.com; up to 64 characters) or the IP address (for example: 192.168.56.189).	
Error Detection Setting	Choose what action should be taken when the Print Log cannot be stored to the server due to a network error.	

8. In the Connection Status field, confirm the last log status.



You can also confirm the error status on the LCD of your machine.

9. Click **Submit** to display the **Test Print Log to Network** page.

To test your settings, click **Yes** and then go to the next step.

To skip the test, click No. Your settings will be submitted automatically.

- 10. The machine will test your settings.
- 11. If your settings are accepted, **Test OK** appears on the screen.

If **Test Error** appears, check all settings, and then click **Submit** to display the Test page again.



Related Information

· Store Print Log to Network

▲ Home > Security > Network Security Features > Store Print Log to Network > Use the Store Print Log to Network's Error Detection Setting

Use the Store Print Log to Network's Error Detection Setting

Use Error Detection Settings to determine the action that is taken when the print log cannot be stored to the server due to a network error.

- 1. Start your web browser.
- 2. Type "http://machine's IP address" in your browser's address bar (where "machine's IP address" is the machine's IP address).

For example:

http://192.168.1.2

3. No password is required by default. Type a password if you have set one, and then click



- 4. Click the Administrator tab.
- 5. Click the Store Print Log to Network menu in the left navigation bar.
- 6. In the Error Detection Setting section, select the Cancel Print or Ignore Log & Print option.

Option	Description
Cancel Print	If you select the Cancel Print option, the print jobs are cancelled when the print log cannot be stored to the server.
	Even if you select the Cancel Print option, your machine will print a received fax.

Ignore Log & Print

If you select the **Ignore Log & Print** option, the machine prints the documentation even if the print log cannot be stored to the server.

When the store print log function has recovered, the print log is recorded as follows:

```
Id, Type, Job Name, User Name, Date, Time, Print Pages, Color Pages
1, Print(xxxxxxx), "Document01.doc", "user01", 03/03/20xx, 14:01:32, 52, 21

2, Print(xxxxxxx), "Document02.doc", "user01", 03/03/20xx, 14:45:30, ?, ?

3, <Error>, ?, ?, ?, ?, ?, ?

4, Print(xxxxxxx), "Report01.xls", "user02", 03/03/20xx, 19:30:40, 4, 4
```

- a. If the log cannot be stored at the end of printing, the print log except the number of printed pages will be recorded.
- b. If the print log cannot be stored at the beginning and the end of printing, the print log of the job will not be recorded. When the function has recovered, the error is reflected in the log.
- 7. Click **Submit** to display the **Test Print Log to Network** page.

To test your settings, click Yes and then go to the next step.

To skip the test, click **No**. Your settings will be submitted automatically.

- 8. The machine will test your settings.
- 9. If your settings are accepted, **Test OK** appears on the screen.

If **Test Error** appears, check all settings, and then click **Submit** to display the Test page again.

Related Information

Store Print Log to Network

▲ Home > Security > Network Security Features > Store Print Log to Network > Use Store Print Log to Network with Secure Function Lock 3.0

Use Store Print Log to Network with Secure Function Lock 3.0

When Secure Function Lock 3.0 is active, the names of the registered users for copy, Fax RX and USB Direct Print (if available) are recorded in the Store Print Log to Network report. When the Active Directory Authentication is enabled, logged on user name will be recorded in the Store Print Log to Network report:

```
Id, Type, Job Name, User Name, Date, Time, Print Pages, Color Pages
1, Copy, -, -, 04/04/20xx, 09:05:12, 3, 3
2, Fax, -, -, 04/04/20xx, 09:45:30, 5, 0
3, Copy, -, "BOB", 04/04/20xx, 10:20:30, 4, 0
4, Fax, -, "BOB", 04/04/20xx, 10:35:12, 3, 0
5, USB Direct, -, "JOHN", 04/04/20xx, 11:15:43, 6, 6
```

Related Information

Store Print Log to Network

▲ Home > Mobile/Web Connect

Mobile/Web Connect

- AirPrint
- Mobile Printing for Windows
- Mopria[®] Print Service
- Brother iPrint&Scan
- Near-Field Communication (NFC)

▲ Home > Mobile/Web Connect > AirPrint

AirPrint

- AirPrint Overview
- Before Using AirPrint
- Print Using AirPrint
- Scan Using AirPrint
- Send a Fax Using AirPrint (For MFC Models)

▲ Home > Mobile/Web Connect > AirPrint > AirPrint Overview

AirPrint Overview

AirPrint is a printing solution for Apple operating systems that allows you to wirelessly print photos, email, web pages and documents from your iPad, iPhone, iPod touch and Mac computer without the need to install a driver.

AirPrint also lets you send faxes directly from your Mac computer without printing them and lets you scan documents to your Mac computer.

For more information, visit Apple's website.

Use of the Works with Apple badge means that an accessory has been designed to work specifically with the technology identified in the badge and has been certified by the developer to meet Apple performance standards.



V

Related Information

- AirPrint
- · AirPrint Problems

▲ Home > Mobile/Web Connect > AirPrint > Before Using AirPrint

Before Using AirPrint

- Network Settings for Using AirPrint
- Disable and Enable AirPrint Using Web Based Management (Web Browser)

▲ Home > Mobile/Web Connect > AirPrint > Before Using AirPrint > Network Settings for Using AirPrint

Network Settings for Using AirPrint

In order to use AirPrint, your mobile device must connect to the wireless network to which your Brother machine is connected. AirPrint supports wireless connections that use infrastructure mode or Wi-Fi Direct[®].

To configure your mobile device for a wireless network, refer to your mobile device's user's guide. A link to your mobile device's user's guide on Apple's website can be found by tapping in Safari.

To configure your Brother machine for a wireless network, see the *Quick Setup Guide* or related topics in this guide. If your Brother machine supports a wired network, you can use a network cable to connect to the wireless access point/router.

If your Brother machine supports Wi-Fi Direct[®] and you want to configure your Brother machine for a Wi-Fi Direct[®] network, see related topics in this Online Guide.

✓

Related Information

· Before Using AirPrint

▲ Home > Mobile/Web Connect > AirPrint > Before Using AirPrint > Disable and Enable AirPrint Using Web Based Management (Web Browser)

Disable and Enable AirPrint Using Web Based Management (Web Browser)

Confirm that your Brother machine is connected to the same network as your computer.

- 1. Start your web browser.
- 2. Type "http://machine's IP address" in your browser's address bar (where "machine's IP address" is the machine's IP address).

For example:

http://192.168.1.2

3. No password is required by default. Type a password if you have set one, and then click



- 4. Click the Network tab.
- 5. Click the **Protocol** menu in the left navigation bar.
- 6. To disable AirPrint, clear the AirPrint check box. To enable AirPrint, select the AirPrint check box.



By default, AirPrint is enabled.

- 7. Click Submit.
- 8. Restart your machine to activate the configuration.

✓

Related Information

· Before Using AirPrint

▲ Home > Mobile/Web Connect > AirPrint > Print Using AirPrint

- Print from iPad, iPhone, or iPod Touch
- Before Printing Using AirPrint (macOS)
- Print Using AirPrint (macOS)

▲ Home > Mobile/Web Connect > AirPrint > Print Using AirPrint > Print from iPad, iPhone, or iPod Touch

Print from iPad, iPhone, or iPod Touch

The procedure used to print may vary by application. Safari is used in the example below.

- 1. Make sure your Brother machine is turned on.
- 2. Use Safari to open the page that you want to print.
- 3. Tap or 🗂
- 4. Tap Print.
- 5. Make sure your Brother machine is selected.
- 6. If a different machine (or no printer) is selected, tap **Printer**.
 - A list of available machines appears.
- 7. Tap your machine's name in the list.
- 8. Select the desired options, such as the number of pages to print and 2-sided printing (if supported by your machine).
- 9. Tap Print.

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Related Information

▲ Home > Mobile/Web Connect > AirPrint > Print Using AirPrint > Before Printing Using AirPrint (macOS)

Before Printing Using AirPrint (macOS)

Before printing using macOS, add your Brother machine to the printer list on your Mac computer.

- 1. Select **System Preferences** from the Apple Menu.
- 2. Click Printers & Scanners.
- 3. Click the + icon below the Printers pane on the left.
- 4. Click Add Printer or Scanner.... The Add screen appears.
- 5. Select your Brother machine, and then select **AirPrint** from the **Use** pop-up menu.
- 6. Click Add.

Related Information

▲ Home > Mobile/Web Connect > AirPrint > Print Using AirPrint > Print Using AirPrint (macOS)

Print Using AirPrint (macOS)

The procedure used to print may vary by application. Safari is used in the example below. Before printing, make sure your Brother machine is in the printer list on your Mac computer.

- 1. Make sure your Brother machine is turned on.
- 2. On your Mac computer, use Safari to open the page that you want to print.
- 3. Click the File menu, and then select Print.
- 4. Make sure your Brother machine is selected. If a different machine (or no printer) is selected, click the **Printer** pop-up menu, and then select your Brother machine.
- 5. Select the desired options, such as the number of pages to print and 2-sided printing (if supported by your machine).
- 6. Click Print.

Related Information

▲ Home > Mobile/Web Connect > AirPrint > Scan Using AirPrint

Scan Using AirPrint

- Before Scanning Using AirPrint (macOS)
- Scan Using AirPrint (macOS)

▲ Home > Mobile/Web Connect > AirPrint > Scan Using AirPrint > Before Scanning Using AirPrint (macOS)

Before Scanning Using AirPrint (macOS)

Before scanning using macOS, add your Brother machine to the scanner list on your Mac computer.

- 1. Select **System Preferences** from the Apple Menu.
- 2. Click Printers & Scanners.
- 3. Click the + icon below the Scanners pane on the left.
- 4. Click Add Printer or Scanner....

The Add screen appears.

- 5. Select your Brother machine, and then select **AirPrint** from the **Use** pop-up menu.
- 6. Click Add.

Related Information

Scan Using AirPrint

▲ Home > Mobile/Web Connect > AirPrint > Scan Using AirPrint > Scan Using AirPrint (macOS)

Scan Using AirPrint (macOS)

Before scanning, make sure your Brother machine is in the scanner list on your Mac computer.

- 1. Load your document.
- 2. Select **System Preferences** from the Apple Menu.
- 3. Click Printers & Scanners.
- 4. Select your Brother machine from the scanner list.
- 5. Click the **Scan** tab, and then click the **Open Scanner...** button.
 - The Scanner screen appears.
- 6. If you place the document in the ADF, select **Use Document Feeder** check box, and then select the size of your document from the scan size setting pop-up menu.
- 7. Select the destination folder or destination application from the destination setting pop-up menu.
- 8. Click **Show Details** to change the scanning settings if needed.
 - You can crop the image manually by dragging the mouse pointer over the portion you want to scan when scanning from the scanner glass.
- 9. Click Scan.

\checkmark

Related Information

Scan Using AirPrint

▲ Home > Mobile/Web Connect > AirPrint > Send a Fax Using AirPrint (For MFC Models)

Send a Fax Using AirPrint (For MFC Models)

- Before Sending a Fax Using AirPrint (macOS)
- Send a Fax Using AirPrint (macOS)

■ Home > Mobile/Web Connect > AirPrint > Send a Fax Using AirPrint (For MFC Models) > Before Sending a Fax Using AirPrint (macOS)

Before Sending a Fax Using AirPrint (macOS)

Before sending a fax, add your Brother machine to the printer list on your Mac computer. Make sure your Brother machine is connected to the telephone line and works correctly.

- 1. Select **System Preferences** from the Apple Menu.
- 2. Click Printers & Scanners.
- 3. Click the + icon below the Printers pane on the left.
- 4. Click Add Printer or Scanner.... The Add screen appears.
- 5. Select your Brother machine, and then select **AirPrint** from the **Use** pop-up menu.
- 6. Click Add.

V

Related Information

• Send a Fax Using AirPrint (For MFC Models)

■ Home > Mobile/Web Connect > AirPrint > Send a Fax Using AirPrint (For MFC Models) > Send a Fax Using AirPrint (macOS)

Send a Fax Using AirPrint (macOS)

Make sure your Brother machine is in the printer list on your Mac computer. Apple TextEdit is used in the example below.



- · AirPrint supports only monochrome fax documents.
- 1. Make sure your Brother machine is turned on.
- 2. On your Mac computer, open the file that you want to send as a fax.
- 3. Click the **File** menu, and then select **Print**.
- 4. Click the **Printer** pop-up menu, and then select **Brother MFC-XXXX Fax** (where XXXX is your model name).
- 5. Type the fax recipient information.
- 6. Click Fax.

4

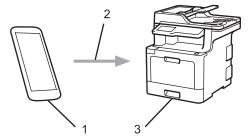
Related Information

• Send a Fax Using AirPrint (For MFC Models)

▲ Home > Mobile/Web Connect > Mobile Printing for Windows

Mobile Printing for Windows

Mobile printing for Windows is a function to print wirelessly from your Windows mobile device. You can connect to the same network that your Brother machine is connected to and print without installing the printer driver on the device. Many Windows apps support this function.



- 1. Windows mobile device (Windows 10 Mobile or later)
- 2. Wi-Fi® connection
- 3. Your Brother machine

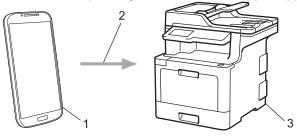
Related Information

· Mobile/Web Connect

▲ Home > Mobile/Web Connect > Mopria® Print Service

Mopria® Print Service

Mopria[®] Print Service is a print feature on Android[™] mobile devices (Android[™] version 4.4 or later) developed by the Mopria[®] Alliance. With this service, you can connect to the same network as your machine and print without additional setup. Many native Android[™] apps support printing.



- 1. Android[™] 4.4 or later
- 2. Wi-Fi® Connection
- 3. Your Brother machine

You must download the Mopria[®] Print Service from the Google $Play^{\mathsf{TM}}$ Store and install it on your Android device. Before using this service, you must turn it on.

✓

Related Information

Mobile/Web Connect

▲ Home > Mobile/Web Connect > Brother iPrint&Scan

Brother iPrint&Scan

Use Brother iPrint&Scan to print and scan from various mobile devices.

For Android[™] Devices

Brother iPrint&Scan allows you to use features of your Brother machine directly from your Android[™] device, without using a computer.

Go to your model's **Downloads** page on the Brother Solutions Center at <u>support.brother.com</u> to download Brother iPrint&Scan.

· For Apple Devices

Brother iPrint&Scan allows you to use features of your Brother machine directly from your Apple device. Download and install Brother iPrint&Scan from the App Store.

· For Windows Devices

Brother iPrint&Scan allows you to use features of your Brother machine directly from your Windows device, without using a computer.

Download and install Brother iPrint&Scan from the Microsoft Store.

For more detailed information, see the *Mobile Print/Scan Guide for Brother iPrint&Scan*. Go to your model's **Manuals** page on the Brother Solutions Center at <u>support.brother.com</u>.



Related Information

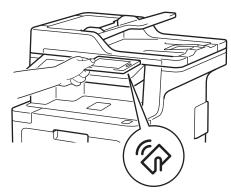
· Mobile/Web Connect

▲ Home > Mobile/Web Connect > Near-Field Communication (NFC)

Near-Field Communication (NFC)

Near-Field Communication (NFC) allows for simple transactions, data exchange, and wireless connections between two devices that are in close range of each other.

If your Android[™] device is NFC-enabled, you can print data (photos, PDF files, text files, web pages and email messages) from the device or scan photos and documents to the device by touching it to the NFC symbol on the machine's control panel.



You must download and install Brother iPrint&Scan on your Android[™] device to use this feature. For more detailed information, see the *Mobile Print/Scan Guide for Brother iPrint&Scan*. Go to your model's **Manuals** page on the Brother Solutions Center at <u>support.brother.com</u>.

4

Related Information

- Mobile/Web Connect
- · Register an External IC Card Reader

▲ Home > Mobile/Web Connect > Near-Field Communication (NFC) > Register an External IC Card Reader

Register an External IC Card Reader

When you connect an external IC card reader, use Web Based Management to register the card reader. Your machine supports HID class driver supported external IC card readers.

- 1. Start your web browser.
- 2. Type "http://machine's IP address" in your browser's address bar (where "machine's IP address" is the machine's IP address).

For example:

http://192.168.1.2

3. No password is required by default. Type a password if you have set one, and then click



- 4. Click the Administrator tab.
- 5. Click the External Card Reader menu, and then enter the necessary information.
- 6. Click Submit.
- 7. Restart your Brother machine to activate the configuration.

V

Related Information

Near-Field Communication (NFC)

▲ Home > ControlCenter

ControlCenter

Use Brother's ControlCenter software utility to quickly access your frequently-used applications. Using ControlCenter gives you direct access to specific applications.

- ControlCenter4 (Windows)
- ControlCenter2 (Mac)

▲ Home > ControlCenter > ControlCenter4 (Windows)

ControlCenter4 (Windows)

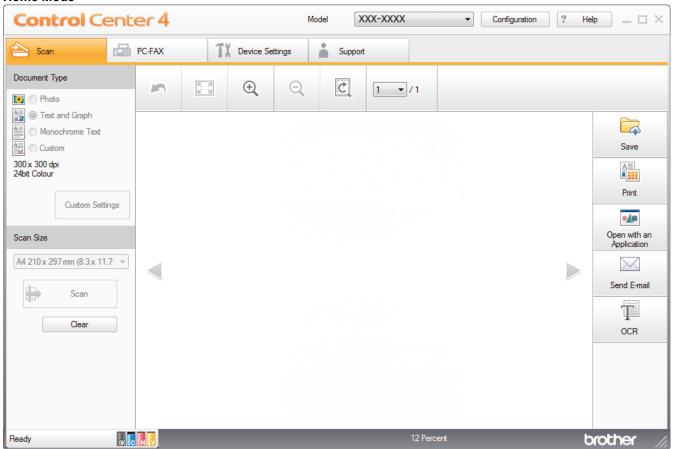
- Change the Operation Mode in ControlCenter4 (Windows)
- Scan Using ControlCenter4 Home Mode (Windows)
- Scan Using ControlCenter4 Advanced Mode (Windows)
- Set Up the Brother Machine Using ControlCenter4 (Windows)
- Create a Custom Tab Using ControlCenter4 Advanced Mode (Windows)

▲ Home > ControlCenter > ControlCenter4 (Windows) > Change the Operation Mode in ControlCenter4 (Windows)

Change the Operation Mode in ControlCenter4 (Windows)

ControlCenter4 has two operation modes: **Home Mode** and **Advanced Mode**. You can change modes at any time.

Home Mode



Advanced Mode



Home Mode

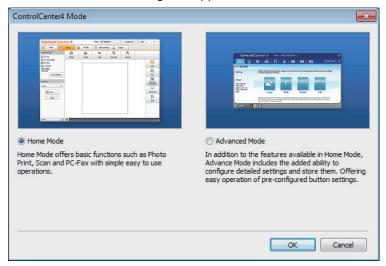
ControlCenter4 Home Mode lets you access your machine's main features easily.

Advanced Mode

ControlCenter4 Advanced Mode gives you more control over the details of your machine's features and allows you to customise one-button scan actions.

To change operation mode:

- 1. Click the <a>(ControlCenter4) icon in the task tray, and then select Open.
- 2. Click the Configuration button, and then select Mode Select.
- 3. The mode selection dialog box appears. Select either the Home Mode or Advanced Mode option.



4. Click OK.

Related Information

ControlCenter4 (Windows)

▲ Home > ControlCenter > ControlCenter4 (Windows) > Scan Using ControlCenter4 Home Mode (Windows)

Scan Using ControlCenter4 Home Mode (Windows)

Use ControlCenter4 Home Mode to access your machine's main features.

- Scan Using ControlCenter4 Home Mode (Windows)
- Save Scanned Data to a Folder as a PDF File Using ControlCenter4 Home Mode (Windows)
- Scan Both Sides of a Document Automatically Using ControlCenter4 Home Mode (Windows)
- Scan Settings for ControlCenter4 Home Mode (Windows)

▲ Home > ControlCenter > ControlCenter4 (Windows) > Scan Using ControlCenter4 Advanced Mode (Windows)

Scan Using ControlCenter4 Advanced Mode (Windows)

ControlCenter4 Advanced Mode gives you more control over the details of your machine's features and allows you to customise one-button scan actions.

- Scan Photos and Graphics Using ControlCenter4 Advanced Mode (Windows)
- Save Scanned Data to a Folder as a PDF File Using ControlCenter4 Advanced Mode (Windows)
- Scan Both Sides of a Document Automatically Using ControlCenter4 Advanced Mode (Windows)
- Scan Both Sides of an ID Card Using ControlCenter4 Advanced Mode (Windows)
- Scan to Email Attachment Using ControlCenter4 Advanced Mode (Windows)
- Scan to an Editable Text File (OCR) Using ControlCenter4 Advanced Mode (Windows)
- Scan Settings for ControlCenter4 Advanced Mode (Windows)

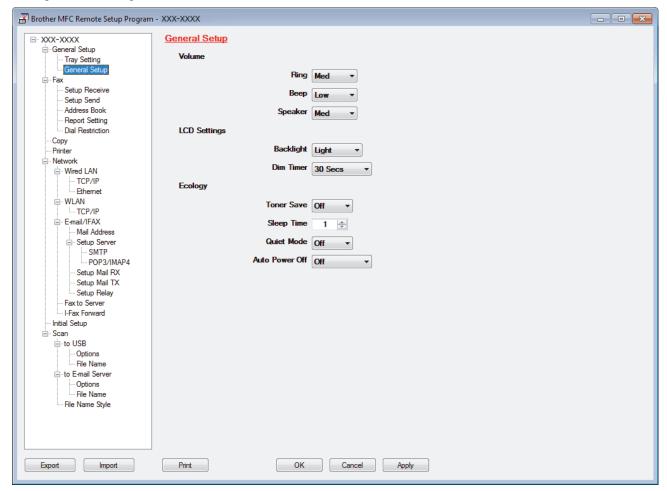
▲ Home > ControlCenter > ControlCenter4 (Windows) > Set Up the Brother Machine Using ControlCenter4 (Windows)

Set Up the Brother Machine Using ControlCenter4 (Windows)



If Secure Function Lock is set to On, you cannot use Remote Setup.

- 1. Click the (ControlCenter4) icon in the task tray, and then click Open.
- 2. Click the Device Settings tab.
- 3. Click the Remote Setup button.
- Configure the settings as needed.



Export

Click to save the current configuration settings to a file.



Click Export to save your address book or all settings for your machine.

Import

Click to import a file and read its settings.

Print

Click to print the selected items on the machine. You cannot print the data until it is uploaded to the machine. Click **Apply** to upload the new data to the machine, and then click **Print**.

OK

Click to start uploading data to the machine, and then exit the Remote Setup Program. If an error message appears, confirm that your data is correct, and then click **OK**.

Cancel

Click to exit the Remote Setup Program without uploading data to the machine.

Apply

Click to upload data to the machine without exiting the Remote Setup Program.

5. Click OK.

- If your computer is protected by a firewall and is unable to use Remote Setup, you may need to configure the firewall settings to allow communication through port numbers 137 and 161.
- If you are using Windows Firewall and you installed the Brother software and drivers from the installation disc, the necessary firewall settings have already been set.

✓

- ControlCenter4 (Windows)
- Remote Setup (Windows)

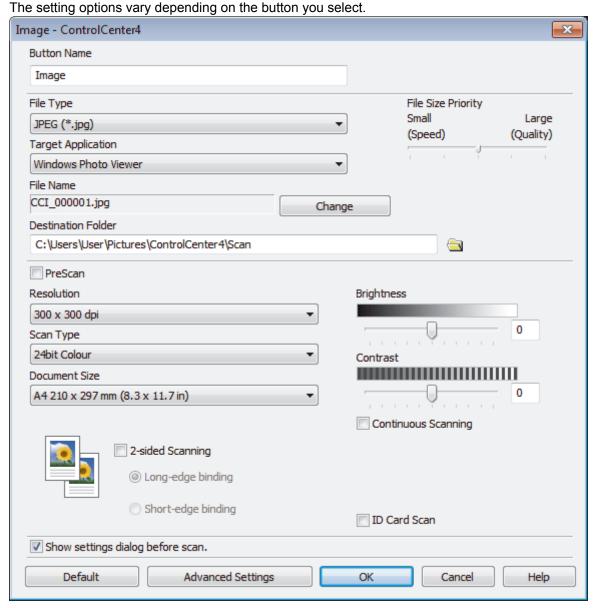
▲ Home > ControlCenter > ControlCenter4 (Windows) > Create a Custom Tab Using ControlCenter4 Advanced Mode (Windows)

Create a Custom Tab Using ControlCenter4 Advanced Mode (Windows)

You can create up to three customised tabs, each including up to five customised buttons, with your preferred settings.

Select Advanced Mode as the mode setting for ControlCenter4.

- 1. Click the <a>(ControlCenter4) icon in the task tray, and then click Open.
- Click the Configuration button, and then select Create custom tab.A custom tab is created.
- 3. To change the name of a custom tab, right-click the custom tab, and then select **Rename custom tab**.
- 4. Click the **Configuration** button, select **Create custom button**, and then select the button you want to create. The settings dialog box appears.
- 5. Type the button name, and then change the settings, if needed. Click **OK**.





You can change or remove the created tab, button, or settings. Click the **Configuration** button, and then follow the menu.



Related Information

• ControlCenter4 (Windows)

▲ Home > ControlCenter > ControlCenter2 (Mac)

ControlCenter2 (Mac)

- Scan Using ControlCenter2 (Mac)
- Set Up the Brother Machine Using ControlCenter2 (Mac)

▲ Home > ControlCenter > ControlCenter2 (Mac) > Scan Using ControlCenter2 (Mac)

Scan Using ControlCenter2 (Mac)

Use Brother's ControlCenter software to scan photos and save them as JPEGs, PDFs, or other file formats.

- Scan Using ControlCenter2 (Mac)
- Save Scanned Data to a Folder as a PDF File Using ControlCenter2 (Mac)
- Scan Both Sides of a Document Automatically Using ControlCenter2 (Mac)
- Scan Both Sides of an ID Card Using ControlCenter2 (Mac)
- Scan to Email Attachment Using ControlCenter2 (Mac)
- Scan to an Editable Text File (OCR) Using ControlCenter2 (Mac)
- Scan Settings for ControlCenter2 (Mac)

▲ Home > ControlCenter > ControlCenter2 (Mac) > Set Up the Brother Machine Using ControlCenter2 (Mac)

Set Up the Brother Machine Using ControlCenter2 (Mac)



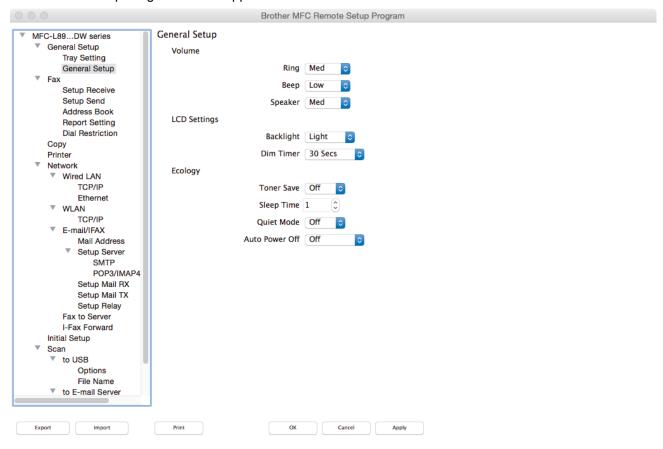
If Secure Function Lock is set to On, you cannot use Remote Setup.

1. In the Finder menu bar, click Go > Applications > Brother, and then double-click the (ControlCenter) icon.

The ControlCenter2 screen appears.

- 2. Click the **DEVICE SETTINGS** tab.
- 3. Click the **Remote Setup** button.

The Remote Setup Program screen appears.



4. Configure the settings as needed.

Export

Click to save the current configuration settings to a file.



Click Export to save your address book or all settings for your machine.

Import

Click to import a file and read its settings.

Print

Click to print the selected items on the machine. You cannot print the data until it is uploaded to the machine. Click **Apply** to upload the new data to the machine, and then click **Print**.

OK

Click to start uploading data to the machine, and then exit the Remote Setup Program. If an error message appears, enter the correct data again, and then click **OK**.

Cancel

Click to exit the Remote Setup Program without uploading data to the machine.

Apply

Click to upload data to the machine without exiting the Remote Setup Program.

5. When finished, click **OK**.

4

- ControlCenter2 (Mac)
- Remote Setup (Mac)

Home > Troubleshooting

Troubleshooting

Use this section to resolve typical problems you may encounter when using your Brother machine. You can correct most problems yourself.

IMPORTANT

For technical help, you must call Brother customer service or your local Brother dealer.

Using non-Brother supplies may affect the print quality, hardware performance, and machine reliability.



If you need additional help, go to the Brother Solutions Center at support.brother.com.

First, check the following:

- The machine's power cord is connected correctly and the machine's power is on. See the Quick Setup Guide.
- All of the protective materials have been removed. See the Quick Setup Guide.
- Paper is loaded correctly in the paper tray.
- The interface cables are securely connected to the machine and the computer, or the wireless connection is set up on both the machine and your computer.
- · Error and maintenance messages

If you did not solve the problem with the checks, identify the problem and then see *Related Information*.

- · Error and Maintenance Messages
- Document Jams
- Paper Jams
- Printing Problems
- · Improve the Print Quality
- · Telephone and Fax Problems
- Network Problems
- AirPrint Problems
- Other Problems
- · Check the Machine Information
- · Reset Your Brother Machine

Error and Maintenance Messages



(MFC-L8900CDW)

If the LCD displays errors and your Android[™] device supports the NFC feature, touch your device to the NFC symbol on your Brother machine to access the Brother Solutions Center and browse the latest FAQs from your device. (Your mobile telephone provider's message and data rates may apply.)

Make sure the NFC settings of both your Brother machine and your Android[™] device are set to On.

As with any sophisticated office product, errors may occur and supply items may have to be replaced. If this happens, your machine identifies the error or required routine maintenance and shows the appropriate message. The most common error and maintenance messages are shown in the table.

Follow the instructions in the **Action** column to solve the error and remove the message.

You can correct most errors and perform routine maintenance by yourself. If you need more tips: Visit support.brother.com, and click the **FAQs & Troubleshooting** page.

Error Message	Cause	Action
2-sided Disabled	The back cover of the machine is not closed completely.	Close the back cover of the machine until it locks in the closed position.
2-sided Disabled Reload paper, then press [Retry].	Although the size of paper in the paper tray matches the paper size that was selected from the control panel or printer driver, the machine has stopped printing when it encountered an additional, different size of paper in the tray.	Make sure the paper tray contains only the size of paper you select in either the control panel or printer driver, then press Start.
	The paper tray was pulled out before the machine completed printing on both sides of the paper.	Reinstall the paper tray and press Start.
Access Denied	The function you want to use is restricted by Secure Function Lock 3.0.	Call your administrator to check your Secure Function Lock Settings.
Calibration	Calibration failed.	 Press and hold down to turn the machine off. Wait a few seconds, and then turn it on again. Perform the colour calibration again using the LCD. Install a new belt unit. If the problem continues, contact Brother
Cartridge Error	The toner cartridge is not installed correctly.	customer service or your local Brother dealer. Pull out the drum unit, remove the toner cartridge for the colour that is indicated on the LCD, and place it back in the drum unit. Install the drum unit in the machine again. If the problem continues, contact Brother customer service or your local Brother dealer.
Comm.Error	Poor telephone line quality caused a communication error.	Send the fax again or connect the machine to another telephone line. If the problem continues, contact the telephone company and ask them to check your telephone line.
Condensation	Condensation may have formed inside the machine after a room temperature change.	Leave the machine turned on. Wait for 30 minutes with the front cover in the open position. Then turn off the machine and close the cover. Turn it on again.

Error Message	Cause	Action
Cooling Down	The temperature of the inside of the machine is too hot. The machine pauses its current print job and goes into cooling down mode.	Wait until the machine has finished cooling down. Make sure all vents on the machine are clear of obstructions. When the machine has cooled down, the machine will resume printing.
Cover is Open	The front cover is not completely closed.	Open and then firmly close the front cover of the machine.
Cover is Open.	The fuser cover is not completely closed or paper was jammed in the back of the machine when you turned on the power.	Close the fuser cover located inside the back cover of the machine. Make sure paper is not jammed inside the back of the machine, and then close the fuser cover.
Cover is Open.	The ADF cover is not completely closed.	Close the ADF cover. If the error message remains, press
Disconnected	The other person or other person's fax machine stopped the call.	Try to send or receive again. If calls are stopped repeatedly and you are using a VoIP (Voice over IP) system, try changing the Compatibility to Basic (for VoIP).
Document Jam	The document was not inserted or fed correctly, or the document scanned from the ADF was too long.	Remove the jammed paper from the ADF unit. Clear any debris or scraps of paper from the ADF unit paper path. Press
Supplies Drum End Soon	The drum unit is near the end of its life.	Order a new drum unit before the LCD displays Replace Drum.
Drum !	The corona wires on the drum unit must be cleaned.	Clean the corona wires on the drum unit. See Related Information: Clean the Corona Wires. If the problem continues, replace the drum unit with a new one.
	The drum unit or the toner cartridge and drum unit assembly is not installed correctly.	Remove the drum unit, remove the toner cartridges from the drum unit, and put the toner cartridges back into the drum unit. Reinstall the drum unit in the machine.
Drum Stop	It is time to replace the drum unit.	Replace the drum unit.
Jam 2-sided	The paper is jammed underneath the paper tray or the fuser unit.	Remove the paper tray or open the back cover to pull out all jammed paper.
Jam Inside	The paper is jammed inside the machine.	Open the front cover, remove the toner cartridge and drum unit assembly, and pull out all jammed paper. Close the front cover.
Jam MP Tray	The paper is jammed in the MP tray.	Remove all jammed paper from in and around the MP tray. Press Retry.

Error Message	Cause	Action
Jam Rear	The paper is jammed in the back of the machine.	Open the fuser cover and remove all jammed paper. Close the fuser cover. If the error message remains, press Retry
Jam Tray 1 Jam Tray 2 Jam Tray 3	The paper is jammed in the indicated paper tray.	Pull out the paper tray and remove all jammed paper as shown in the animation on the LCD.
Jam Tray 4		
Limit Exceeded	The print limit set in Secure Function Lock 3.0 was reached.	Call your administrator to check your Secure Function Lock Settings.
Media Type Mismatch	The media type specified in the printer driver differs from the paper type specified in the machine's menu.	Load the correct type of paper in the tray indicated on the LCD, and then select the correct media type in the Paper Type setting on the machine.
No Belt Unit	The belt unit is not installed or not installed correctly.	Reinstall the belt unit.
No HUB Support	A USB hub device is connected to the USB direct interface.	Disconnect the USB hub device from the USB direct interface.
No Drum Unit	The drum unit is not installed correctly.	Reinstall the toner cartridge and drum unit assembly.
No Paper	The machine is out of paper, or paper is not loaded correctly in the paper tray.	 Refill paper in the paper tray. Make sure the paper guides are set to the correct size. If paper is in the tray, remove it and load it again. Make sure the paper guides are set to the correct size. Do not overfill the paper tray.
No Paper Fed T1 No Paper Fed T2 No Paper Fed T3 No Paper Fed T4	The machine failed to feed paper from the indicated paper tray.	Pull out the paper tray indicated on the LCD and remove all jammed paper.
No Paper MP	The MP tray is out of paper, or paper is not loaded correctly in the MP tray.	 Do one of the following: Refill paper in the MP tray. Make sure the paper guides are set to the correct size. If paper is in the tray, remove it and load it again. Make sure the paper guides are set to the correct size.
No Paper T1 No Paper T2 No Paper T3 No Paper T4	The machine failed to feed paper from the indicated paper tray.	 Do one of the following: Refill paper in the paper tray indicated on the LCD. Make sure the paper guides are set to the correct size. If paper is in the tray, remove it and load it again. Make sure the paper guides are set to the correct size. Do not overfill the paper tray.
No Toner	The toner cartridge for the colour indicated on the LCD is not installed or not installed correctly.	Remove the toner cartridge for the colour indicated on the LCD from the drum unit, and put the toner cartridge back into the drum unit. If the problem continues, replace the toner cartridge.
No Tray T1 No Tray T2 No Tray T3	The paper tray is not installed or not installed correctly.	Reinstall the paper tray indicated on the LCD.
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Error Message	Cause	Action
No Waste Toner	The waste toner box is not installed or not installed correctly.	Reinstall the waste toner box.
Out of Fax Memory	The machine's fax memory is full.	If you are using Fax Preview function, delete unwanted received fax data.
		If you are using Memory Receive function and are not using fax preview function, print received fax data.
		See Related Information: Print a Fax Stored in the Machine's Memory.
Out of Memory	The machine's memory is full.	If a fax-sending or copy operation is in process
		Do one of the following:
		Press Send Now to send the pages scanned so far.
		Press Partial Print to copy the pages scanned so far.
		Press Quit or and wait until the other
		operations that are in progress finish, and then try again.
		If a scan operation is in process
		Split the document into multiple parts.
		Reduce the Resolution.
		Reduce the File Size.
		Select the high compression PDF file type.
		Clear faxes from the memory.
		If a print operation is in process
		Press and reduce the print resolution.
Paper Low	The paper tray is nearly empty.	Refill the paper in the paper tray indicated on the
Paper Low T1		LCD.
Paper Low T2		
Paper Low T3		
Paper Low T4		
Print Data Full	The machine's memory is full.	Press and delete the previously stored secure print data.
Print Unable##	The machine has a mechanical problem.	 Press and hold to turn the machine off, wait a few minutes, and then turn it on again. If the problem continues, contact Brother
		customer service.
Registration	Registration failed.	Press and hold down to turn the machine
		off. Wait a few seconds, and then turn it on again. Perform the colour registration again using the LCD.
		 Install a new belt unit.
		If the problem continues, contact Brother
		customer service or your local Brother dealer.

Supplies Replace Drum	It is time to replace the drum	D 1 " " "
	unit.	Replace the drum unit with a new one.
	The drum unit counter was not reset when a new drum was installed.	Reset the drum unit counter. See the instructions included with the new drum unit.
Replace Toner	The toner cartridge is at the end of its life. The machine stops all print operations.	Replace the toner cartridge for the colour indicated on the LCD.
	While memory is available, faxes are stored in the memory.	
Replace WT Box	It is time to replace the waste toner box.	Replace the waste toner box with a new one.
Scan Unable	The document is too long for 2-sided scanning.	Press For 2-sided scanning, use A4 size paper. Other paper must be within the following size:
		Length: 147.3 to 355.6 mm Width: 105 to 215.9 mm
Scan Unable##	The machine has a mechanical problem.	 Press and hold to turn the machine off, and then turn it on again. If the problem continues, contact Brother customer service.
Self-Diagnostic	The temperature of the fuser unit does not rise to a specified temperature within the specified time.	Press and hold to turn the machine off, wait a few seconds, and then turn it on again. Leave the machine idle for 15 minutes with the power on.
	The fuser unit is too hot.	
Service Error##	Machine's firmware has a problem.	Contact Brother customer service.
Short paper	The length of the paper in the tray is too short for the machine to deliver it to the Face down output tray.	Open the back cover (Face up output tray) to let the printed page exit onto the Face up output tray. Remove the printed pages, and then press Retry.
Size Error	The paper size defined in the printer driver is not supported by the defined tray.	Choose a paper size supported by the defined tray.
Size Error 2-sided	The paper size specified in the machine's paper size setting is not available for automatic 2-sided printing.	Press (if required). Load the correct size of paper in the tray and set the tray for that paper size.
	The paper in the tray is not the correct size and is not available for automatic 2-sided printing.	Choose a paper size supported by 2-sided printing. Paper size available for automatic 2-sided printing is A4.
Size Mismatch	The paper in the tray is not the correct size.	Load the correct size of paper in the tray indicated on the LCD and set the size of paper for the tray.
Supplies Belt End Soon	The belt unit is near the end of its life.	Order a new belt unit before the LCD displays Replace Belt.
Supplies	It is time to replace the belt unit.	Replace the belt unit with a new one.

Error Message	Cause	Action
Supplies Toner Low: X (X indicates the toner cartridge or drum unit colour that is near the end of its life. BK=Black, C=Cyan, M=Magenta, Y=Yellow.)	If the LCD displays this message, you can still print. The toner cartridge is near the end of its life.	Order a new toner cartridge before the LCD displays Replace Toner.
Supplies WT Box End Soon	The waste toner box is almost full.	Order a new waste toner box before the LCD displays Replace WT Box.
Toner Error	One or more toner cartridges are not installed or not installed correctly.	Pull out the drum unit. Remove all the toner cartridges, and then put them back into the drum unit.
Too Many Trays	The number of installed Optional Trays exceeds the maximum number.	Reduce the number of Optional Trays.
Touchscreen Initialisation Failed	The touchscreen was pressed before the power on initialisation was completed.	Make sure nothing is touching the touchscreen.
	Debris may be stuck between the lower part of the touchscreen and its frame.	Insert a piece of stiff paper between the lower part of the touchscreen and its frame and slide it back and forth to push out any debris.
Tray 2 Error Tray 3 Error Tray 4 Error	The optional lower tray is not installed correctly.	Reinstall the lower tray.
Unusable Device	A USB device or USB Flash memory drive that is encrypted or not supported has been connected to the USB direct interface.	Unplug the device from the USB direct interface.
Unusable Device Remove the Device. Turn the power off and back on again.	A defective USB device or a high power consumption USB device has been connected to the USB direct interface.	 Unplug the device from the USB direct interface. Press and hold to turn the machine off, and then turn it on again.
Wrong Paper Size MP Wrong Paper Size T1 Wrong Paper Size T2 Wrong Paper Size T3 Wrong Paper Size T4	The specified tray ran out of paper during copying and the machine could not feed the same size paper from the next priority tray.	Refill the paper in the paper tray.

- Troubleshooting
- Transfer Your Faxes or Fax Journal Report
- Replace Supplies
- Load and Print Using the Paper Tray
- Load and Print Using the Multi-purpose Tray (MP Tray)
- Replace the Drum Unit
- Clean the Corona Wires

▲ Home > Troubleshooting > Error and Maintenance Messages > Transfer Your Faxes or Fax Journal Report

Transfer Your Faxes or Fax Journal Report

If the LCD displays:

- [Print Unable] ##
- [Scan Unable] ##

We recommend transferring your faxes to another fax machine or to your computer.

You can also transfer the Fax Journal report to see if there are any faxes you must transfer.



If there is an error message on the LCD after you transfer the faxes, disconnect your Brother machine from the power source for several minutes, and then reconnect it.

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- · Error and Maintenance Messages
- · Transfer Faxes to Another Fax Machine
- · Transfer Faxes to Your Computer
- · Transfer the Fax Journal Report to Another Fax Machine

▲ Home > Troubleshooting > Error and Maintenance Messages > Transfer Your Faxes or Fax Journal Report > Transfer Faxes to Another Fax Machine

Transfer Faxes to Another Fax Machine

If you have not set up your Station ID, you cannot enter Fax Transfer mode.

1. Press [Settings] > [All Settings] > [Service] > [Data Transfer] > [Fax Transfer].



If your machine displays the [All Settings] menu on the Home screen, skip the [Settings] menu.

- 2. Do one of the following:
 - If the LCD displays [No Data], there are no faxes left in the machine's memory. Press [Close].
 - Enter the fax number to which faxes will be forwarded.
- 3. Press [Fax Start].

- · Transfer Your Faxes or Fax Journal Report
- · Set Your Station ID

▲ Home > Troubleshooting > Error and Maintenance Messages > Transfer Your Faxes or Fax Journal Report > Transfer Faxes to Your Computer

Transfer Faxes to Your Computer

1. Make sure you have installed the software and drivers on your computer, and then turn on **PC-FAX Receive** on the computer.

Do one of the following:

• (Windows 7)

From the (Start) menu, select All Programs > Brother > Brother Utilities.

Click the drop-down list and select your model name (if not already selected). Click **PC-FAX** in the left navigation bar, and then click **Receive**.

• (Windows 8 and Windows 10)

Click (Brother Utilities), and then click the drop-down list and select your model name (if not already selected). Click PC-FAX in the left navigation bar, and then click Receive.

2. Make sure you have set [PC Fax Receive] on the machine.

If faxes are in the machine's memory when you set up PC-Fax Receive, the LCD displays [Send Fax to PC?].

- 3. Do one of the following:
 - To transfer all faxes to your computer, press [Yes].
 - To exit and leave the faxes in the memory, press [No].
- 4. Press

Related Information

Transfer Your Faxes or Fax Journal Report

▲ Home > Troubleshooting > Error and Maintenance Messages > Transfer Your Faxes or Fax Journal Report > Transfer the Fax Journal Report to Another Fax Machine

Transfer the Fax Journal Report to Another Fax Machine

If you have not set up your Station ID, you cannot enter fax transfer mode.

Press [Settings] > [All Settings] > [Service] > [Data Transfer] > [Report Transfer].



If your machine displays the <code>[All Settings]</code> menu on the Home screen, skip the <code>[Settings]</code> menu.

- 2. Enter the fax number to which the Fax Journal will be forwarded.
- 3. Press [Fax Start].

- · Transfer Your Faxes or Fax Journal Report
- · Set Your Station ID

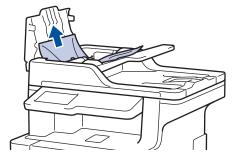
▲ Home > Troubleshooting > Document Jams

- Document is Jammed in the Top of the ADF Unit
- Document is Jammed under the Document Cover
- · Remove Small Scraps of Paper Jammed in the ADF

▲ Home > Troubleshooting > Document Jams > Document is Jammed in the Top of the ADF Unit

Document is Jammed in the Top of the ADF Unit

- 1. Remove any paper from the ADF that is not jammed.
- 2. Open the ADF cover.
- 3. Pull the jammed document out to the left. If the document rips or tears, be sure you remove any debris or scraps to prevent future jams.



- 4. Close the ADF cover.
- 5. Press X



▲ Home > Troubleshooting > Document Jams > Document is Jammed under the Document Cover

Document is Jammed under the Document Cover

- 1. Remove any paper from the ADF that is not jammed.
- 2. Lift the document cover.
- 3. Pull the jammed document out to the right. If the document rips or tears, be sure you remove any debris or scraps to prevent future jams.



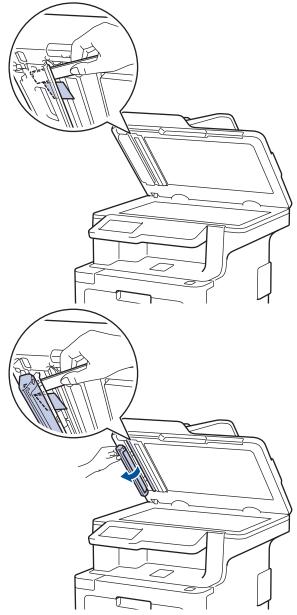
- 4. Close the document cover.
- 5. Press X

Related Information

▲ Home > Troubleshooting > Document Jams > Remove Small Scraps of Paper Jammed in the ADF

Remove Small Scraps of Paper Jammed in the ADF

- 1. Lift the document cover.
- 2. Insert a piece of stiff paper, such as cardstock, into the ADF to push any small paper scraps through.



- 3. Close the document cover.
- 4. Press



▲ Home > Troubleshooting > Paper Jams

Paper Jams

Always remove the remaining paper from the paper tray and straighten the stack when you are adding new paper. This helps prevent multiple sheets of paper from feeding through the machine at one time and prevents paper jams.

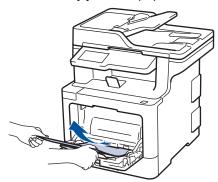
- Paper is Jammed in the MP tray
- Paper is Jammed in the Paper Tray
- · Paper is Jammed in the Back of the Machine
- · Paper is Jammed Inside the Machine
- Paper is Jammed underneath the Paper Tray

▲ Home > Troubleshooting > Paper Jams > Paper is Jammed in the MP tray

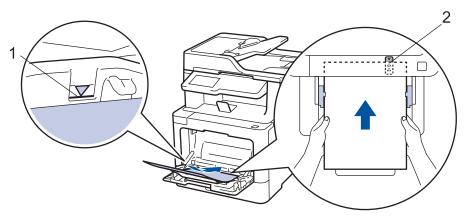
Paper is Jammed in the MP tray

If the machine's control panel or the Status Monitor indicates that there is a jam in the machine's MP tray, follow these steps:

- 1. Remove the paper from the MP tray.
- 2. Remove any jammed paper from in and around the MP tray.



- 3. Fan the paper stack, and then put it back in the MP tray.
- 4. Reload paper in the MP tray and make sure the paper stays under the maximum paper height guides (1) on both sides of the tray. Place the paper's leading edge (top of paper) between the [▲] and ▼ arrows (2).



5. Follow the instructions on the machine's LCD.

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Related Information

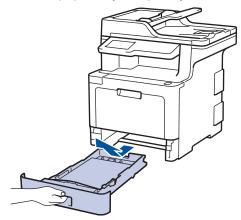
• Paper Jams

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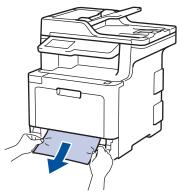
Paper is Jammed in the Paper Tray

If the machine's control panel or the Status Monitor indicates that there is a jam in the paper tray, follow these steps:

1. Pull the paper tray completely out of the machine.



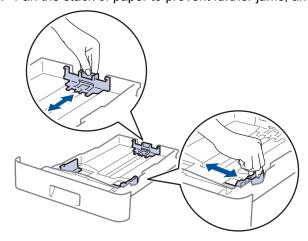
2. Slowly pull out the jammed paper.



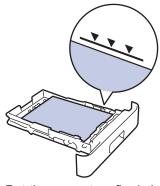


Pulling the jammed paper downward using both hands allows you to remove the paper more easily.

3. Fan the stack of paper to prevent further jams, and slide the paper guides to fit the paper size.



4. Make sure the paper is below the maximum paper mark (▼ ▼ ▼).



5. Put the paper tray firmly back in the machine.



Related Information

• Paper Jams

▲ Home > Troubleshooting > Paper Jams > Paper is Jammed in the Back of the Machine

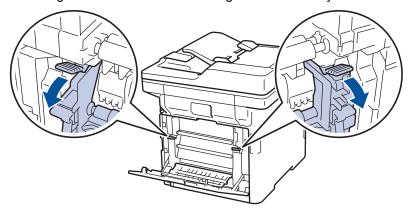
Paper is Jammed in the Back of the Machine

If the machine's control panel or the Status Monitor indicates that there is a jam in the back (Rear) of the machine, follow these steps:

- 1. Leave the machine turned on for 10 minutes for the internal fan to cool the extremely hot parts inside the machine.
- 2. Open the back cover.



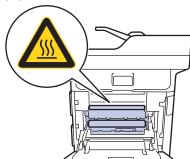
3. Pull the green levers at the left and right sides toward you to release the fuser cover.



MARNING

HOT SURFACE

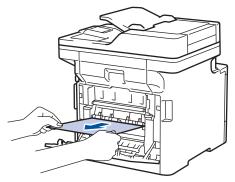
The machine's internal parts will be extremely hot. Wait for the machine to cool down before touching them.



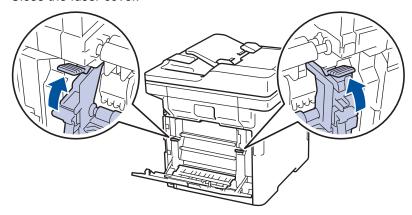


If the grey envelope levers inside the back cover are pulled down to the envelope position, lift these levers to the original position before pulling the green tabs down.

4. Use both hands to gently pull the jammed paper out of the fuser unit.



5. Close the fuser cover.





If you print on envelopes, pull down the grey envelope levers to the envelope position again before closing the back cover.

6. Close the back cover until it locks in the closed position.

V

Related Information

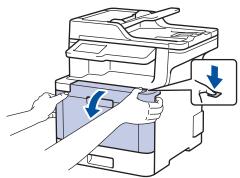
• Paper Jams

▲ Home > Troubleshooting > Paper Jams > Paper is Jammed Inside the Machine

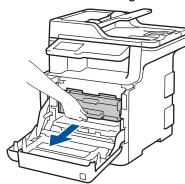
Paper is Jammed Inside the Machine

If the machine's control panel or the Status Monitor indicates that there is a jam inside the machine, follow these steps:

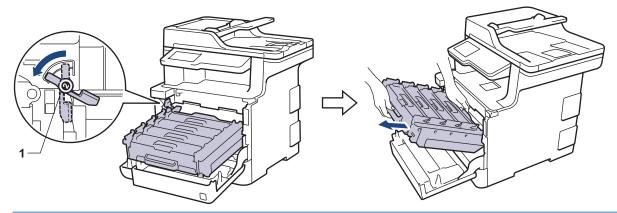
1. Press the front cover release button and pull open the front cover.



2. Hold the drum unit's green handle. Pull the drum unit out of the machine until it stops.



3. Turn the green lock lever (1) counterclockwise until it locks in the release position. Holding the green handles of the drum unit, lift the front of the drum unit and remove it from the machine.

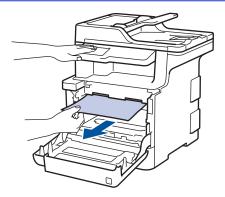


IMPORTANT

Hold the green handles of the drum unit when you carry it. DO NOT hold the sides of the drum unit.

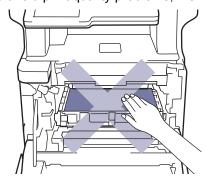


4. Pull out the jammed paper slowly.

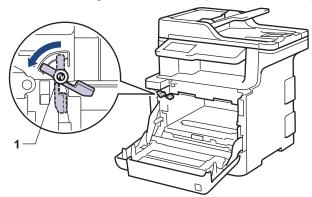


NOTE

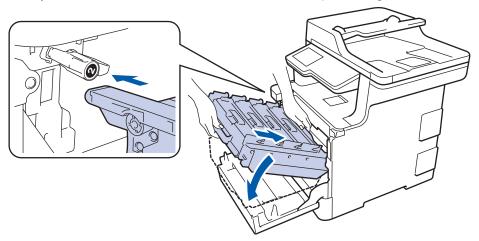
To avoid print quality problems, DO NOT touch the shaded parts shown in the illustrations.



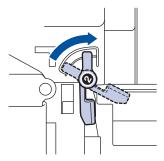
5. Make sure the green lock lever (1) is in the release position, as shown in the illustration.



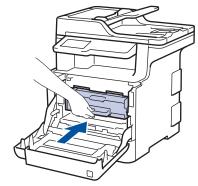
6. Gently slide the drum unit into the machine until it stops at the green lock lever.



7. Turn the green lock lever clockwise to the lock position.



8. Using the green handle, push the drum unit back into the machine until it locks in place.



9. Close the machine's front cover.

4

Related Information

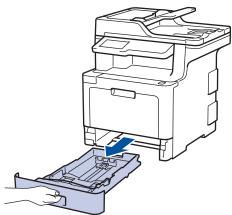
• Paper Jams

▲ Home > Troubleshooting > Paper Jams > Paper is Jammed underneath the Paper Tray

Paper is Jammed underneath the Paper Tray

If the machine's control panel or the Status Monitor indicates that there is a jam in the paper tray, follow these steps:

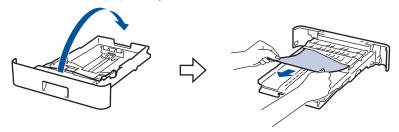
- 1. Leave the machine turned on for 10 minutes for the internal fan to cool the extremely hot parts inside the machine.
- 2. Pull the paper tray completely out of the machine.



3. Make sure the jammed paper does not remain inside the machine.



4. If paper is not jammed inside the machine, remove the paper from the paper tray, flip it over, and check underneath the paper tray.



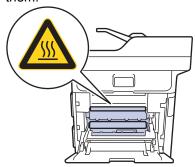
5. If the paper is not jammed in the paper tray, open the back cover.



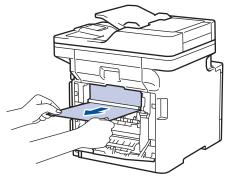
MARNING

HOT SURFACE

The machine's internal parts will be extremely hot. Wait for the machine to cool down before touching them.



6. Use both hands to gently pull the jammed paper out of the back of the machine.



- 7. Close the back cover until it locks in the closed position.
- 8. Put the paper tray firmly back in the machine.

Related Information

• Paper Jams

Printing Problems

Difficulties	Suggestions
No printout	Check the machine is not in Power Off mode.
	If the machine is in Power Off mode, press (b) on the
	control panel, and then send the print data again.
	Check that the correct printer driver has been installed and selected.
	Check to see if the Status Monitor or the machine's control panel displays an error status.
	Check that the machine is online:
	Windows 7 and Windows Server 2008 R2
	Click (Start) > Devices and Printers . Right-click
	Brother XXX-XXXX and click See what's printing. Click Printer in the menu bar. Make sure Use Printer Offline is not selected.
	Windows Server 2008
	Click 👩 (Start) >Control Panel > Hardware and
	Sound > Printers. Right-click Brother XXX-XXXX. Make sure Use Printer Online is not listed. If it is listed, click this option to set the driver Online.
	Windows 8 and Windows Server 2012
	Move your mouse to the lower right corner of your desktop. When the menu bar appears, click Settings > Control Panel. In the Hardware and Sound group, click Devices and Printers. Right-click the Brother XXX-XXXX. Click See what's printing. If printer driver options appear, select your printer driver. Click Printer in the menu bar and make sure that Use Printer Offline is not selected.
	Windows 10 and Windows Server 2016
	Click
	the Hardware and Sound group, click View devices and printers. Right-click the Brother XXX-XXXX. Click See what's printing. If printer driver options appear, select your printer driver. Click Printer in the menu bar and make sure that Use Printer Offline is not selected.
	Windows Server 2012 R2
	Click Control Panel on the Start screen. In the Hardware group, click View devices and printers. Right-click the Brother XXX-XXXX. Click See what's printing. If printer driver options appear, select your printer driver. Click Printer in the menu bar and make sure Use Printer Offline is not selected.
	• Mac
	Click the System Preferences menu, and then select the Printers & Scanners option. When the machine is offline, delete it using the button, and then add it using the button.
	-

Difficulties	Suggestions
The machine is not printing or has stopped printing.	Cancel the print job and clear it from the machine's memory. The printout may be incomplete. Send the print data again. See Related Information: Cancel a Print Job.
The headers or footers appear when the document displays on the screen but they do not show up when it is printed.	There is an unprintable area on the top and bottom of the page. Adjust the top and bottom margins in your document to allow for this.
The machine prints unexpectedly or it prints garbage.	Cancel the print job and clear it from the machine's memory. The printout may be incomplete. Send the print data again. See Related Information:Cancel a Print Job.
	Check the settings in your application to make sure they are set up to work with your machine.
	Confirm that the Brother printer driver is selected in your application's Print window.
The machine prints the first couple of pages correctly, then some pages have missing text.	Check the settings in your application to make sure they are set up to work with your machine.
	Your machine is not receiving all of the data sent from the computer. Make sure you connected the interface cable correctly.
The machine does not print on both sides of the paper even though the printer driver setting is 2-sided and the machine supports automatic 2-sided printing.	Check the paper size setting in the printer driver. You must select A4 paper that is 60 to 105 g/m ² .
Print speed is too slow.	Try changing the printer driver setting. The highest resolution needs longer data processing, sending and printing time.
	If you have enabled the Quiet Mode, disable the Quiet Mode on the printer driver or the machine's menu setting.
The machine does not feed paper.	If there is paper in the paper tray, make sure it is straight. If the paper is curled, straighten it. Sometimes it is helpful to remove the paper, turn the stack over and place it back in the paper tray.
	Reduce the amount of paper in the paper tray, and then try again.
	Make sure MP Tray is not selected for Paper Source in the printer driver.
	Clean the paper pick-up rollers.
The machine does not feed paper from the MP tray.	Fan the paper well and place it back in the MP tray firmly.
	Make sure MP Tray is selected as Paper Source in the printer driver.
The machine does not feed envelopes.	Load envelopes in the MP tray. Your application must be set to print the envelope size you are using. This is usually done in the Page Setup or Document Setup menu of your application.

1

- Troubleshooting
- Monitor the Status of the Machine from Your Computer (Windows)
- Monitor the Status of the Machine from Your Computer (Mac)
- · Cancel a Print Job
- Load and Print Using the Paper Tray
- Clean the Paper Pick-up Rollers

• Load and Print Using the Multi-purpose Tray (MP Tray)

▲ Home > Troubleshooting > Improve the Print Quality

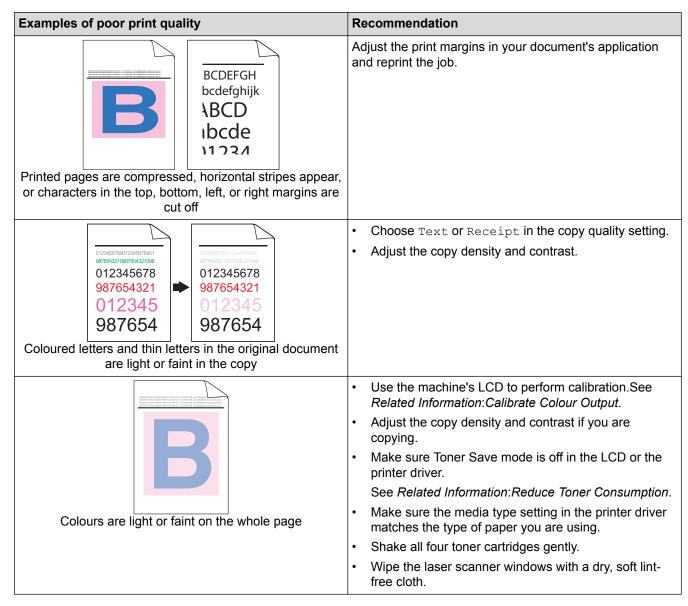
Improve the Print Quality

If you have a print quality problem, print a test page first. If the printout looks good, the problem is probably not the machine. Check the interface cable connections and try printing a different document. If the printout or test page printed from the machine has a quality problem, check the examples of poor print quality and follow the recommendations in the table.

IMPORTANT

Using non-genuine supplies may affect the print quality, hardware performance, and machine reliability.

- 1. To get the best print quality, we suggest using recommended print media. Make sure you use paper that meets our specifications.
- 2. Check that the drum unit and toner cartridges are installed correctly.



Examples of poor print quality



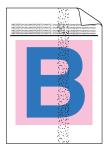


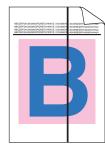


Vertical white streaks or bands appear on the page

Recommendation

- Wipe the laser scanner windows with a dry, soft lintfree cloth.
- Wipe the scanner glass strip with a dry lint free soft cloth.
- Make sure foreign material such as a torn piece of paper, sticky notes, or dust is not inside the machine and around the drum unit and toner cartridge.



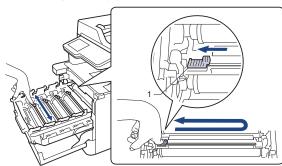


Vertical coloured streaks or bands appear on the page

- Wipe the scanner glass strip with a dry lint free soft cloth.
- Clean all four corona wires (one for each colour) inside the drum unit by sliding the green tab.



Make sure the green tab of the corona wire is in the home position(1).



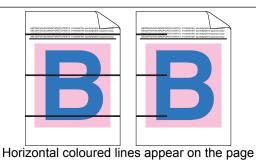
 Replace the toner cartridge that matches the colour of the streak or band.

To identify the colour of the toner cartridge, visit the Brother Solutions Center at <u>support.brother.com</u> and view the **FAQs & Troubleshooting** page for your Brother model.

See Related Information:Replace the Toner Cartridge.

· Install a new drum unit.

See Related Information:Replace the Drum Unit.



 Identify the colour causing the problem and replace the toner cartridge that matches the colour of the line.
 To identify the colour of the toner cartridge, visit the

Brother Solutions Center at <u>support.brother.com</u> to see the **FAQs & Troubleshooting** page.

See Related Information: Replace the Toner Cartridge.

Install a new drum unit.

See Related Information: Replace the Drum Unit.

Make sure the media type setting in the printer driv matches the type of paper you are using. Check the machine's environment. Conditions such high humidity can cause hollow print. If the problem is not solved after printing a few pag the drum may have foreign material, such as glue from a label, stuck on the drum surface. Clean the drum unit. See Related Information:Clean the Drum Unit. Install a new drum unit. See Related Information:Replace the Drum Unit. Identify the colour causing the problem and install a new toner cartridge. To identify the colour of the toner cartridge, visit the Brother Solutions Center at support.brother.com to see the FAQs & Troubleshooting page. See Related Information:Replace the Toner Cartridge.
Check the machine's environment. Conditions such high humidity can cause hollow print. If the problem is not solved after printing a few page the drum may have foreign material, such as glue from a label, stuck on the drum surface. Clean the drum unit. See Related Information: Clean the Drum Unit. Install a new drum unit. See Related Information: Replace the Drum Unit. Identify the colour causing the problem and install a new toner cartridge. To identify the colour of the toner cartridge, visit the Brother Solutions Center at support. brother.com to see the FAQs & Troubleshooting page.
the drum may have foreign material, such as glue from a label, stuck on the drum surface. Clean the drum unit. See Related Information: Clean the Drum Unit. Install a new drum unit. See Related Information: Replace the Drum Unit. Identify the colour causing the problem and install a new toner cartridge. To identify the colour of the toner cartridge, visit the Brother Solutions Center at support. brother.com to see the FAQs & Troubleshooting page.
 Install a new drum unit. See Related Information: Replace the Drum Unit. Identify the colour causing the problem and install a new toner cartridge. To identify the colour of the toner cartridge, visit the Brother Solutions Center at support.brother.com to see the FAQs & Troubleshooting page.
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Brother Solutions Center at <u>support.brother.com</u> to see the FAQs & Troubleshooting page.
See Related Information:Replace the Toner Cartrid
Install a new drum unit.
Blank page or some missing colours See Related Information:Replace the Drum Unit.
• If the problem is not solved after printing a few pag the drum may have foreign material, such as glue from a label, stuck on the drum surface. Clean the drum unit.
See Related Information:Clean the Drum Unit.
• Install a new drum unit.
See Related Information:Replace the Drum Unit.
Coloured spots at 94 mm
Identify the colour causing the problem and install a new toner cartridge.
To identify the colour of the toner cartridge, visit the Brother Solutions Center at support.brother.com to see the FAQs & Troubleshooting page. See Related Information:Replace the Toner Cartrid
Coloured spots at 29 mm
Check the machine's environment. Conditions such high humidity and high temperatures may cause the print quality problem. Identify the colour causing the problem and put in a
new toner cartridge.
To identify the colour of the toner cartridge, visit the Brother Solutions Center at support.brother.com to see the FAQs & Troubleshooting page.
Toner scatter or toner stain See Related Information:Replace the Toner Cartrid
Install a new drum unit.See Related Information:Replace the Drum Unit.
The colour of your printouts is not what you expected • To improve the colour density, calibrate the colours using the LCD.
To adjust the print position of colours for sharper edges, perform the colour registration using the LC
Adjust the copy density and contrast if you are copying.

Examples of poor print quality	Recommendation
	Make sure Toner Save mode is off in the LCD or the printer driver.
	If the print quality of the black portion is not what you expected, select the Enhance Black Printing check box in the printer driver.
	Clear the Improve Grey Colour check box in the printer driver.
	Identify the colour causing the problem and put in a new toner cartridge.
	To identify the colour of the toner cartridge, visit the Brother Solutions Center at support.brother.com to see the FAQs & Troubleshooting page.
	See Related Information:Replace the Toner Cartridge.
	Install a new drum unit.
	See Related Information:Replace the Drum Unit.
	Make sure the machine is on a solid level surface.
ASSIGNATION CONTINUE CONTINUE AND QUARTER	Perform the colour registration using the LCD.
	Install a new drum unit.
	See Related Information:Replace the Drum Unit.
	Install a new belt unit.
	See Related Information:Replace the Belt Unit.
Colour offset	
	Perform the calibration using the LCD.
Additional analysis of the control o	Adjust the copy density and contrast if you are copying.
	Clear the Improve Grey Colour check box in the printer driver.
	Identify the colour causing the problem and put in a new toner cartridge.
Uneven colour density across the page	To identify the colour of the toner cartridge, visit the Brother Solutions Center at support.brother.com to see the FAQs & Troubleshooting page.
	See Related Information:Replace the Toner Cartridge.
	Install a new drum unit.
	See Related Information:Replace the Drum Unit.
	 Make sure Toner Save mode is off in the LCD or the printer driver.
WXYZ A	Change the print resolution.
B	If you use a Windows printer driver, choose Improve Pattern Printing in Print Setting of the Basic tab.
Missing thin lines in images	
	Check the paper type and quality.
ARTIFICIAL PROPERTY OF THE PRO	Make sure the back cover is closed correctly.
	Make sure the two grey levers inside the back cover are in the up position.
	Make sure the media type setting in the printer driver matches the type of paper you are using.
Wrinkled printout	

Examples of poor print quality	Recommendation	
Ghosting images Chost images	 Check the machine's environment. Conditions such as low humidity and low temperatures may cause this print quality problem. Make sure the media type setting in the printer driver matches the type of paper you are using. Make sure the two grey levers inside the back cover are in the up position. Install a new drum unit. See Related Information:Replace the Drum Unit. Make sure the two grey levers inside the back cover are in the up position. Make sure the media type setting in the printer driver matches the type of paper you are using. Choose Improve Toner Fixing mode in the printer driver. If this selection does not provide enough improvement, change the printer driver setting in Media Type to a thick setting. If you are printing an envelope, choose Env. Thick in the media type 	
Curled or wavy image	 Choose Reduce Paper Curl mode in the printer driver. If the problem is not solved, choose Plain Paper in the media type setting. If you are printing an envelope, chooseEnv. Thin in the Media Type Setting of the printer driver. If you do not use the machine often, the paper may have been in the paper tray too long. Turn over the stack of paper in the paper tray. Also, fan the paper stack and then rotate the paper 180° in the paper tray. Store the paper where it will not be exposed to high temperatures and high humidity. Open the back cover (Face up output tray) to let the printed paper exit onto the Face up output tray. 	
ABCDEFG Envelope creases	Make sure the envelope levers inside the back cover are pulled down to the envelope position when you print envelopes. NOTE When you have finished printing, open the back cover and reset the two grey levers back to their original position (1) by lifting them up until they stop.	

Recommendation If creases occur with the envelope levers in the envelope position, print with the back cover open and feed one envelope at a time from the MP tray. Recommendation If creases occur with the envelope levers in the envelope position, print with the back cover open and feed one envelope at a time from the MP tray.

- Troubleshooting
- Test Print
- Clean the Drum Unit
- Calibrate Colour Output
- Reduce Toner Consumption
- Replace the Toner Cartridge
- Replace the Drum Unit
- Replace the Belt Unit

Telephone and Fax Problems

Telephone Line or Connections

Difficulties	Suggestions	
Dialling does not work. (No dial tone)	Check all line cord connections. Make sure the telephone line cord is plugged into the telephone wall socket and the LINE socket of the machine. Make sure your machine has a dial tone by pressing the Hook button in Fax mode. If you subscribe to DSL or VoIP services, contact your service provider for connection instructions.	
	Change the Tone/Pulse setting.	
	Send a manual fax by pressing Hook or Hook/Hold button, and dialing the number. Wait to hear fax-receiving tones before pressing Start button.	
	If there is no dial tone, connect a known working telephone and telephone line cord to the socket. Then lift the external telephone's handset and listen for a dial tone. If there is still no dial tone, ask your telephone company to check the line and/or wall socket.	
The machine does not	Make sure the machine is in the correct receive mode for your setup.	
answer when called.	Check for a dial tone. If possible, call your machine to hear it answer. If there is still no answer, check that the telephone line cord is plugged into the telephone wall socket and the LINE socket of the machine. Make sure your machine has a dial tone by pressing the Hook button in Fax mode. If there is no ringing when you call your machine, ask your telephone company to check the line.	

Handling Incoming Calls

Difficulties	Suggestions
Sending a Fax Call to the machine.	When your machine answers, hang up.
Custom features on a single line.	If you have Call Waiting, Voice Mail, an answering machine, an alarm system or other custom feature on a single telephone line with your machine, it may create a problem sending or receiving faxes.
	For Example: If you subscribe to Call Waiting or some other custom service and its signal comes through the line while your machine is sending or receiving a fax, the signal can temporarily interrupt or disrupt the faxes. Brother's ECM (Error Correction Mode) feature should help overcome this problem. This condition is related to the telephone system industry and is common to all devices that send and receive information on a single, shared line with custom features. If avoiding a slight interruption is crucial to your business, we recommend using a separate telephone line with no custom features.

Receiving Faxes

Difficulties	Suggestions
Cannot receive a fax.	Check all line cord connections. Make sure the telephone line cord is plugged into the telephone wall socket and the LINE socket of the machine. If you subscribe to DSL or VoIP services, contact your service provider for connection instructions. If you are using a VoIP system, try changing the VoIP setting to <i>Basic (for VoIP)</i> . This will lower modem speed and turn off Error Correction Mode (ECM).
	Make sure your machine has a dial tone by pressing Hook or Hook/Hold button in Fax mode. If you hear static or interference on your fax line, contact your local telephone provider.

Difficulties	Suggestions	
Cannot receive a fax.	Make sure the machine is in the correct Receive Mode. This is determined by the external devices and telephone subscriber services you have on the same line as the Brother machine.	
	If you have a dedicated fax line and want your Brother machine to automatically answer all incoming faxes, you should select Fax Auto mode.	
	If your Brother machine shares a line with other telephones and you want it to automatically answer all incoming faxes, you should select the Fax Auto mode. In Fax Auto mode, your Brother machine will receive faxes automatically and produce a pseudo/double-ring to alert you to answer voice calls.	
	If you do not want your Brother machine to answer any incoming faxes automatically, you should select the Manual mode. In Manual mode, you must answer every incoming call and activate the machine to receive faxes.	
	Another device or service at your location may be answering the call before your Brother machine answers. To test this, lower the Ring Delay setting:	
	If the Receive Mode is set to Fax Auto, reduce the Ring Delay to one ring.	
	See Related Information: Set the Number of Rings Before the Machine Answers (Ring Delay).	
	If the Receive Mode is set to Manual, DO NOT adjust the Ring Delay setting.	
	Have someone send you a test fax:	
	If you received the test fax successfully, your machine is operating correctly. Remember to reset your Ring Delay or answering machine setting back to your original setting. If receiving problems recur after resetting the Ring Delay, then a person, device, or subscriber service is answering the fax call before the machine has a chance to answer.	
	If you were not able to receive the fax, then another device or subscriber service may be interfering with your fax reception or there may be a problem with your fax line.	
	Make sure your Brother machine's Fax Detect feature is turned On. Fax Detect is a feature that allows you to receive a fax even if you answered the call on an external or extension telephone.	
	If you often get transmission errors due to possible interference on the telephone line or if you are using a VoIP system, try changing the Compatibility setting to Basic(for VoIP).	
	Contact your administrator to check your Secure Function Lock Settings.	

Sending Faxes

Difficulties	Suggestions	
Cannot send a fax.	Check all line cord connections. Make sure the telephone line cord is plugged into the telephone wall socket and the LINE socket of the machine. Make sure your machine has dial tone by pressing the Hook button in Fax mode. If you subscribe to DSL or VoIP services, contact your service provider for connection instructions.	
	Make sure you pressed Fax and the machine is in Fax mode.	
	Print the Transmission Verification Report and check for an error.	
	Contact your administrator to check your Secure Function Lock Settings.	
	Ask the other party to check that the receiving machine has paper.	
Poor sending quality.	Try changing your resolution to Fine. Make a copy to check your machine's scanner operation. If the copy quality is poor, clean the scanner.	
Sent faxes are blank.	Make sure you are loading the document correctly. When using the ADF, the document should be face up. When using the scanner glass, the document should be face down.	
Vertical black lines when sending.	Black vertical lines on faxes you send are typically caused by dirt or correction fluid on the glass strip. Clean the glass strip.	

Printing received faxes

Difficulties	Suggestions
Condensed print Horizontal streaks Top and bottom sentences are cut off Missing lines BCDEFGH bcdefghijk ABCD ibcde 11234	This is usually caused by a poor telephone connection. Make a copy; if your copy looks good, you probably had a bad connection, with static or interference on the telephone line. Ask the other party to send the fax again.
Vertical black lines when receiving	The corona wires for printing may be dirty. Clean the corona wires in the drum unit.
	The sender's scanner may be dirty. Ask the sender to make a copy to see if the problem is with the sending machine. Try receiving from another fax machine.
Received faxes appear as split or blank	Left and right margins are cut off or a single page is printed on two pages.
pages.	Turn on Auto Reduction.



- Troubleshooting
- Set Dial Tone Detection
- Set Telephone Line Compatibility for Interference and VoIP Systems

▲ Home > Troubleshooting > Telephone and Fax Problems > Set Dial Tone Detection

Set Dial Tone Detection

Setting the Dial Tone to [Detection] will shorten the Dial Tone detect pause.

1. Press [Settings] > [All Settings] > [Initial Setup] > [Dial Tone].



If your machine displays the [All Settings] menu on the Home screen, skip the [Settings] menu.

- 2. Press [Detection] or [No Detection]
- 3. Press .

Related Information

• Telephone and Fax Problems

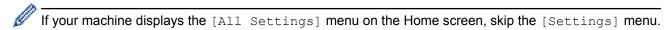
▲ Home > Troubleshooting > Telephone and Fax Problems > Set Telephone Line Compatibility for Interference and VoIP Systems

Set Telephone Line Compatibility for Interference and VoIP Systems

Problems sending and receiving faxes due to possible interference on the telephone line may be solved by reducing the modem speed to minimise errors in fax transmission. If you are using a Voice over IP (VoIP) service, Brother recommends changing the compatibility to Basic (for VoIP).



- VoIP is a type of phone system that uses an Internet connection, rather than a traditional phone line.
- Telephone providers frequently bundle VoIP together with Internet and cable services.
- 1. Press [Settings] > [All Settings] > [Initial Setup] > [Compatibility].



- 2. Press the option you want.
 - Select [High] to set the modem speed to 33600 bps.
 - Select [Normal] to set the modem speed to 14400 bps.
 - Select [Basic (for VoIP)] to reduce the modem speed to 9600 bps and turn off Error Correction Mode (ECM). Unless interference is a recurring problem on your telephone line, you may prefer to use this option only when needed.
- 3. Press

Related Information

· Telephone and Fax Problems

▲ Home > Troubleshooting > Network Problems

Network Problems

- Error Messages
- Use the Network Connection Repair Tool (Windows)
- Where Can I Find My Brother Machine's Network Settings?
- I Cannot Complete the Wireless Network Setup Configuration
- My Brother Machine Cannot Print, Scan, or PC-FAX Receive over the Network
- I Want to Check that My Network Devices are Working Correctly

Error Messages

Your Brother machine will display an error message if an error occurs. The most common error messages are shown in the table.

Error Messages	Cause	Action	
The maximum number of devices are already connected using Wi-Fi Direct.	Two mobile devices are already connected to the Wi-Fi Direct network when the Brother machine is the Group Owner (G/O).	After the current connection between your Brother machine and another mobile device has shut down, try to configure the Wi-Fi Direct settings again. You can confirm the connection status by printing the Network Configuration Report.	
Authentication Error, contact your administrator.	Your authentication setting for the Store Print Log to Network feature is not correct.	 Make sure the Username and Password in Authentication Setting are correct. If the username is part of a domain, enter the username in one of the following styles: user@domain or domain\user. Make sure the time of the log file server matches the time from the SNTP server, or the Date&Time settings. Make sure the SNTP time server settings are configured correctly so the time matches the time used for authentication by Kerberos or NTLMv2. If there is no SNTP server, make sure the Date&Time and Time Zone settings are set correctly using Web Based Management or the control panel so the machine matches the time being used by the server providing the authentication. 	
Check User ID and Password.	The Kerberos Authentication error.	Make sure you have entered a correct user name and a password for the Kerberos server. For more information on the Kerberos server settings, contact your network administrator.	
	The date, time and time zone settings of the Brother machine are not correct.	Confirm your machine's date, time and time zone settings.	
	The DNS server configuration is not correct.	Contact your network administrator for the information on the DNS server settings.	
	The Brother machine cannot connect to the Kerberos server.	Contact your network administrator for the information on the Kerberos server settings.	
Connection Error	Other devices are trying to connect to the Wi-Fi Direct network at the same time.	Make sure there are no other devices trying to connect to the Wi-Fi Direct network, and then try to configure the Wi-Fi Direct settings again.	
Connection Failed	The Brother machine and your mobile device cannot communicate during the Wi-Fi Direct network configuration.	 Move the mobile device closer to your Brother machine. Move your Brother machine and the mobile device to an obstruction-free area. If you are using the PIN Method of WPS, make sure you have entered the correct PIN. 	
File Access Error, contact your administrator.	The Brother machine cannot access the destination folder for the Store Print Log to Network feature.	 Make sure the stored directory name is correct. Make sure the stored directory is write-enabled. Make sure the file is not locked. 	
	In Web Based Management, you have selected the Cancel Print option in the Error Detection Setting of Store Print Log to Network.	Wait for about 60 seconds until this message disappears from the LCD.	

Error Messages	Cause	Action
No Device	When configuring the Wi-Fi Direct network, the Brother	Make sure your machine and mobile device are in the Wi-Fi Direct mode.
	machine cannot find your mobile device.	Move the mobile device closer to your Brother machine.
		Move your Brother machine and the mobile device to an obstruction-free area.
		If you are manually configuring the Wi-Fi Direct network, make sure you have entered the correct password.
		If your mobile device has a configuration page for how to obtain an IP address, make sure the IP address of your mobile device has been configured via DHCP.
Server Timeout,	The Brother machine cannot	Make sure your server address is correct.
contact your administrator. Store Print Log to feature.	connect to the server for the	Make sure your server is connected to the network.
		Make sure the machine is connected to the network.
Server Timeout	The Brother machine cannot	Make sure your server address is correct.
	connect to the LDAP server.	Make sure your server is connected to the network.
		Make sure the machine is connected to the network.
	The Brother machine cannot	Make sure your server address is correct.
	connect to the Active Directory	Make sure your server is connected to the network.
	server.	Make sure the machine is connected to the network.
Wrong Date&Time,	The Brother machine does not	Make sure the settings to access the SNTP time server
contact your	obtain the time from the SNTP	are configured correctly in Web Based Management.
administrator.	time server or you have not configured the Date&Time for the machine.	Confirm the Date&Time settings of your machine are correct in Web Based Management.
Internal Error	The Brother machine's LDAP protocol is disabled.	Confirm your authentication method, and then enable the necessary protocol setting in the Web Based
The Brother machine's CIFE protocol is disabled.		Management.

✓

Related Information

• Network Problems

▲ Home > Troubleshooting > Network Problems > Use the Network Connection Repair Tool (Windows)

Use the Network Connection Repair Tool (Windows)

Use the Network Connection Repair Tool to fix the Brother machine's network settings. It will assign the correct IP address and Subnet Mask.

- Windows 7/Windows 8/Windows 10
 You must log on with Administrator rights.
- Make sure the Brother machine is turned on and is connected to the same network as your computer.
- 1. Do one of the following:

Option	Description
Windows 7	Click (Start) > All Programs > Brother > Brother Utilities.
	Click the drop-down list and select your model name (if not already selected). Click Tools in the left navigation bar, and then click Network Connection Repair Tool .
Windows 8/ Windows 10	Launch (Brother Utilities), and then click the drop-down list and select your model name (if not already selected). Click Tools in the left navigation bar, and then click Network Connection Repair Tool.



- If the User Account Control screen appears, click Yes.
- 2. Follow the on-screen instructions.
- 3. Check the diagnosis by printing the Network Configuration Report.



The Network Connection Repair Tool will start automatically if you select the **Enable Connection Repair Tool** option in the Status Monitor. Right-click the Status Monitor screen, and then click **Other Settings** > **Enable Connection Repair Tool**. This is not recommended when your network administrator has set the IP address to Static, since it will automatically change the IP address.

If the correct IP address and the Subnet Mask are still not assigned even after using the Network Connection Repair Tool, ask your network administrator for this information.

- · Network Problems
- Print the Network Configuration Report
- My Brother Machine Cannot Print, Scan, or PC-FAX Receive over the Network
- · I Want to Check that My Network Devices are Working Correctly

▲ Home > Troubleshooting > Network Problems > Where Can I Find My Brother Machine's Network Settings?

Where Can I Find My Brother Machine's Network Settings?

- Print the Network Configuration Report
- Change Machine Settings from Your Computer

▲ Home > Troubleshooting > Network Problems > I Cannot Complete the Wireless Network Setup Configuration

I Cannot Complete the Wireless Network Setup Configuration

Turn your wireless router off and back on. Then try to configure the wireless settings again. If you are unable to resolve the problem, follow the instructions below:

Investigate the problem using the WLAN Report.

Cause	Action	Interface
Your security settings (SSID/ Network Key) are not correct.	Confirm the security settings using the Wireless Setup Helper utility. For more information and to download the utility, go to your model's Downloads page on the Brother Solutions Center at support.brother.com.	Wireless
	Select and confirm that you are using the correct security settings.	
	 See the instructions supplied with your wireless LAN access point/router for information on how to find the security settings. 	
	 The manufacturer's name or model number of the wireless LAN access point/router may be used as the default security settings. 	
	 Consult with the access point/router manufacturer, your Internet provider, or network administrator. 	
Your Brother machine's MAC address is not allowed.	Confirm that the Brother machine's MAC Address is allowed in the filter. You can find the MAC Address on your Brother machine's control panel.	Wireless
Your wireless LAN access	Enter the correct SSID name or Network Key manually.	Wireless
point/router is in stealth mode (not broadcasting the SSID).	Check the SSID name or the Network Key in the instructions supplied with your wireless LAN access point/router and reconfigure the wireless network setup.	
Your security settings (SSID/	Confirm the SSID and password.	Wi-Fi Direct
password) are not correct.	 When you are configuring the network manually, the SSID and password are displayed on your Brother machine. If your mobile device supports the manual configuration, the SSID and password will be displayed on your mobile device's screen. 	
You are using Android [™] 4.0.	If your mobile device disconnects (approximately six minutes after using Wi-Fi Direct), try the one-push configuration using WPS (recommended) and set the Brother machine as a G/O.	Wi-Fi Direct
Your Brother machine is placed too far from your mobile device.	Move your Brother machine within about 3.3 feet (1 metre) of the mobile device when you configure the Wi-Fi Direct network settings.	Wi-Fi Direct
There are some obstructions (walls or furniture, for example) between your machine and the mobile device.	Move your Brother machine to an obstruction-free area.	Wi-Fi Direct
There is a wireless computer, Bluetooth-supported device, microwave oven, or digital cordless phone near the Brother machine or the mobile device.	Move other devices away from the Brother machine or the mobile device.	Wi-Fi Direct
If you have checked and tried all of the above, but still cannot complete the Wi-Fi	Turn your Brother machine off and back on. Then try to configure the Wi-Fi Direct settings again.	Wi-Fi Direct

Cause	Action	Interface
Direct configuration, do the following:	If you are using your Brother machine as a client, confirm how many devices are allowed in the current Wi-Fi Direct network, and then check how many devices are connected.	

For Windows

If your wireless connection has been interrupted, and you have checked and tried all of the above, we recommend using the Network Connection Repair Tool.

✓

- Network Problems
- Configure Your Machine for a Wireless Network When the SSID Is Not Broadcast
- Use Wi-Fi Direct[®]

My Brother Machine Cannot Print, Scan, or PC-FAX Receive over the Network

Cause	Action	Interface
Your security software blocks your machine's access to the network. (The Network scanning feature does not work.)	 Windows Configure the third-party Security/Firewall Software to allow Network scanning. To add port 54925 for Network scanning, type the information below:	Wired/Wireless
Your security software blocks your machine's access to the network. (The network PC-Fax Receive feature does not work.) (Windows)	Set the third-party Security/Firewall Software to allow PC-FAX Rx. To add port 54926 for Network PC-FAX Rx, type the information below: In Name: Type any description, for example Brother PC-FAX Rx. In Port number: Type 54926. In Protocol: UDP is selected. See the instruction manual that came with your third-party Security/Firewall Software or contact the software manufacturer.	Wired/Wireless
Your security software blocks your machine's access to the network.	Some security software might block access without showing a security alert dialog box even after successful installation. To allow access, see the instructions for your security software or ask the software manufacturer.	Wired/Wireless
Your Brother machine was not assigned an available IP address.	 Confirm the IP address and the Subnet Mask. Verify that both the IP addresses and Subnet Masks of your computer and the Brother machine are correct and located on the same network. For more information about how to verify the IP address and the Subnet Mask, ask your network administrator. Windows Confirm the IP address and the Subnet Mask using the Network Connection Repair Tool. 	Wired/Wireless
The failed print job is still in your computer's print queue.	 If the failed print job is still in your computer's print queue, delete it. Otherwise, double-click the printer icon in the following folder and cancel all documents: Windows 7 Click (Start) > Devices and Printers > Printers and Faxes. 	Wired/Wireless

Cause	Action	Interface
	- Windows 8	
	Move your mouse to the lower right corner of your desktop. When the menu bar appears, click Settings > Control Panel . In the Hardware and Sound group, click View devices and printers > Printers .	
	- Windows 10 and Windows Server 2016	
	Click = > Windows System > Control Panel. In the	
	Hardware and Sound group, click View devices and printers > Printers.	
	- Windows Server 2008	
	Click Start > Control Panel > Printers.	
	- Windows Server 2012	
	Move your mouse to the lower right corner of your desktop. When the menu bar appears, click Settings > Control Panel . In the Hardware group, click View devices and printers > Printers .	
	- Windows Server 2012 R2	
	Click Control Panel on the Start screen. In the Hardware group, click View devices and printers.	
	- macOS v10.10.5, v10.11.x, v10.12	
	Click System Preferences > Printers & Scanners.	
Your Brother machine is not connected to the wireless network.	Print the WLAN Report to check the error code on the printed report.	Wireless

If you have checked and tried all of the above, but your Brother machine still cannot print and scan, uninstall the Brother software and drivers and reinstall them.

V

- Network Problems
- Print the WLAN Report
- Wireless LAN Report Error Codes
- Use the Network Connection Repair Tool (Windows)
- I Want to Check that My Network Devices are Working Correctly

▲ Home > Troubleshooting > Network Problems > I Want to Check that My Network Devices are Working Correctly

I Want to Check that My Network Devices are Working Correctly

Check	Action	Interface
Check that your Brother machine, access point/ router, or network hub is turned on.	 Check the following: The power cord is connected correctly and the Brother machine is turned on. The access point/router or hub is turned on and its link button is blinking. All protective packaging has been removed from the machine. The toner cartridge and drum unit are installed correctly. The front and back covers are fully closed. Paper is inserted correctly in the paper tray. (For wired networks) A network cable is securely connected to the Brother machine and to the router or hub. 	Wired/Wireless
Check the Link Status in the Network Configuration Report.	Print the Network Configuration Report and check that Ethernet Link Status or Wireless Link Status is Link OK .	Wired/Wireless
Check that you can "ping" the Brother machine from your computer.	Ping the Brother machine from your computer using the IP address or the node name in the Windows command prompt or Mac Terminal application: ping <ipaddress> or <nodename>. • Successful: Your Brother machine is working correctly and connected to the same network as your computer. • Unsuccessful: Your Brother machine is not connected to the same network as your computer. (Windows) Ask the network administrator and use the Network Connection Repair Tool to fix the IP address and the subnet mask. (Mac) Confirm that the IP address and the Subnet Mask are set correctly.</nodename></ipaddress>	Wired/Wireless
Check that your Brother machine is connected to the wireless network.	Print the WLAN Report to check the error code on the printed report.	Wireless

If you have checked and tried all of the above but you are still having problems, see the instructions supplied with your wireless LAN access point/router to find the SSID and the Network Key information and set them correctly.

- · Network Problems
- · Print the Network Configuration Report
- Print the WLAN Report
- Wireless LAN Report Error Codes
- Use the Network Connection Repair Tool (Windows)
- · My Brother Machine Cannot Print, Scan, or PC-FAX Receive over the Network

▲ Home > Troubleshooting > AirPrint Problems

AirPrint Problems

Difficulty	Suggestions
My Brother machine is not displayed in the printer list.	Make sure your Brother machine is turned on.
	Confirm the network settings. See Related Information.
	Move the mobile device closer to the wireless access point/router, or to your Brother machine.
I cannot print.	Make sure your Brother machine is turned on.
	Confirm the network settings. See Related Information.
I am trying to print a multiple-page document from an	Make sure you are running the latest version of iOS.
Apple device, but ONLY the first page is printing.	Refer to the following Apple support article for more information about AirPrint: support.apple.com/kb/HT4356 .

V

- Troubleshooting
- AirPrint Overview

Other Problems

Difficulties	Suggestions
The machine will not turn on.	Adverse conditions on the power connection (such as lightning or a power surge) may have triggered the machine's internal safety mechanisms. Unplug the power cord. Wait for ten minutes, then plug in the power cord
	and press (b) to turn on the machine.
	If the problem is not solved and you are using a power breaker, disconnect it to make sure it is not the problem. Plug the machine's power cord directly into a different known working wall electrical socket. If there is still no power, try a different power cable.
The machine cannot print EPS data that includes binary	(Windows)
with the BR-Script3 printer driver.	To print EPS data, do the following: 1. For Windows 7 and Windows Server 2008 R2:
	Click the 6 Start button > Devices and Printers.
	For Windows Server 2008:
	Click the 🚱 (Start) button > Control Panel >
	Hardware and Sound > Printers.
	For Windows 8 and Windows Server 2012:
	Move your mouse to the lower right corner of your desktop. When the menu bar appears, click Settings > Control Panel . In the Hardware and Sound ¹ group, click View devices and printers .
	For Windows 10 and Windows Server 2016:
	Click = > Windows System > Control Panel. In
	the Hardware and Sound group, click View devices and printers.
	For Windows Server 2012 R2:
	Click Control Panel on the Start screen. In the Hardware group, click View devices and printers.
	2. Right-click the Brother XXX-XXXX BR-Script3 icon, select Printer properties .
	3. From the Device Settings tab, choose TBCP (Tagged binary communication protocol) in Output Protocol .
	(Mac)
	If your machine is connected to a computer with a USB interface, you cannot print EPS data that includes binary. You can print the EPS data at the machine through a network. For help installing the BR-Script3 printer driver through the network, go to the Brother Solutions Center at support.brother.com.
The Brother software cannot be installed.	(Windows)
	If the Security Software warning appears on the computer screen during the installation, change the Security Software settings to permit the Brother product setup program or other program to run. (Mac)
	If you are using a firewall function of anti-spyware or antivirus security software, temporarily disable it and then install the Brother software.

1 For Windows Server 2012: Hardware and Sound

Copying difficulties

Difficulties	Suggestions
Cannot make a copy.	Make sure you pressed Copy and the machine is in Copy mode.
	Contact your administrator to check your Secure Function Lock Settings.
Vertical black line appears in copies.	Black vertical lines on copies are typically caused by dirt or correction fluid on the glass strip, or the corona wires are dirty. Clean the glass strip and scanner glass and the white bar and white plastic above them.
Copies are blank.	Make sure you are loading the document correctly.

Scanning difficulties

Difficulties	Suggestions
TWAIN or WIA errors appear when starting to scan. (Windows)	Make sure the Brother TWAIN or WIA driver is selected as the primary source in your scanning application. For example, in Nuance [™] PaperPort [™] 14SE, click Desktop > Scan Settings > Select to choose the Brother TWAIN/WIA driver.
TWAIN or ICA errors appear when starting to scan. (Mac)	Make sure the Brother TWAIN driver is selected as the primary source.
	You can also scan documents using the ICA Scanner Driver.
OCR does not work.	Try increasing the scanning resolution.
Cannot scan.	Contact your administrator to check your Secure Function Lock Settings.

Software difficulties

Difficulties	Suggestions
Cannot install software or print.	(Windows)
	Run the install program again. This program will repair and reinstall the software.



Related Information

Troubleshooting

▲ Home > Troubleshooting > Check the Machine Information

Check the Machine Information

Follow these instructions to check your Brother machine's serial number and firmware version.

1. Press [Settings] > [All Settings] > [Machine Info.].



If your machine displays the [All Settings] menu on the Home screen, skip the [Settings] menu.

2. Press one of the following options:

Option	Description
Serial No.	Check your machine's serial number.
Firmware Version	Check your machine's firmware version.
Page Counter	Check the number of total pages the machine has printed.
Parts Life	Check the percentage of the supplies' life that remains available.

3. Press .

Related Information

Troubleshooting

▲ Home > Troubleshooting > Reset Your Brother Machine

Reset Your Brother Machine

1. Press [Settings] > [All Settings] > [Initial Setup] > [Reset].



If your machine displays the [All Settings] menu on the Home screen, skip the [Settings] menu.

2. Swipe up or down or press ▲ or ▼ to display the type of reset functions, and then press the reset function you want to use.



- The network settings, the security settings and address book data will not be reset by the [Machine Reset].
- If you discard or transfer the machine, we recommend accomplishment of the [Factory Reset] to erase the personal data in the machine.
- 3. [Machine will reboot after resetting. Press [OK] for 2 seconds to confirm.] appears. Press [OK] for two seconds to confirm.

The machine will restart.

4. Press



You can also reset the Network settings by pressing [Settings] > [All Settings] > [Network] > [Network Reset].

- Troubleshooting
- · Reset Functions Overview

▲ Home > Troubleshooting > Reset Your Brother Machine > Reset Functions Overview

Reset Functions Overview

The following reset functions are available:



Unplug the interface cable before you choose Network Settings Reset function, All Settings Reset function or Factory Reset function.

1. Machine Reset

Reset all the machine's settings that you have changed, such as Date and Time and Ring Delay.

The Address Book, fax reports, and Call history will remain. (For MFC Models)

2. Network Settings Reset (For Network Models)

Reset the print server back to its default factory settings (includes Password and IP Address information).

3. Address Book and Fax Settings Reset (For MFC Models)

This function resets the following settings:

· Address Book

(Addresses and Groups)

Programmed fax jobs in the memory

(Delayed Fax)

Station ID

(name and number)

· Fax receive settings

(Remote Access Code, and PC-Fax Receive (Windows only))

- · Report
- Setting Lock password
- 4. All Settings Reset

Reset all the machine's settings back to the settings that were set at the factory.

All Settings Reset takes less time than Factory Reset.

5. Factory Reset

Use the Settings Reset function to reset all machine's settings to the settings originally set at the factory.

Factory Reset takes more time than All Settings Reset.

Brother strongly recommends you perform this operation when you dispose of the machine.



Unplug the interface cable before you choose Network Settings Reset function, All Settings Reset function or Factory Reset function.



Related Information

· Reset Your Brother Machine

▲ Home > Routine Maintenance

Routine Maintenance

- Replace Supplies
- · Clean the Machine
- Calibrate Colour Output
- Correct Colour Print Alignment (Colour Registration)
- Check the Remaining Part Life
- · Pack and Ship Your Brother Machine
- Replace Periodic Maintenance Parts

▲ Home > Routine Maintenance > Replace Supplies

Replace Supplies

You must replace supplies when the machine indicates that the life of the supply is over.

Using non-Brother supplies may affect the print quality, hardware performance, and machine reliability. The toner cartridge and drum unit are two separate supplies. Make sure both are installed as an assembly. The model name of supplies may vary depending on the country.

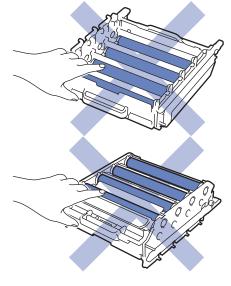
NOTE

- Be sure to seal up the used supplies tightly in a bag so that toner powder does not spill out of the cartridge.
- Discard used consumable items according to local regulations, keeping it separate from domestic waste.
 If you have questions, call your local waste disposal office. Be sure to reseal the consumable items tightly so that the material inside does not spill.
- We recommend placing used and new supplies on a piece of paper to prevent accidentally spilling or scattering the material inside.
- If you use paper that is not a direct equivalent for the recommended print media, the life of supplies and machine parts may be reduced.
- The projected life for each of the toner cartridges is based on ISO/IEC 19798. Frequency of replacement will vary depending on the print volume, percentage of coverage, types of media used, and powering on/off the machine.
- Frequency of replacing supplies except toner cartridges will vary depending on the print volume, types of media used, and powering on/off the machine.
- Handle the toner cartridge carefully. If toner scatters on your hands or clothes, immediately wipe or wash
 it off with cold water.
- To avoid print quality problems, DO NOT touch the shaded parts shown in the illustrations.

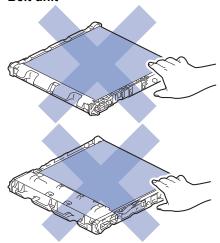
Toner cartridge



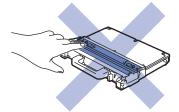
Drum unit



Belt unit



Waste toner box



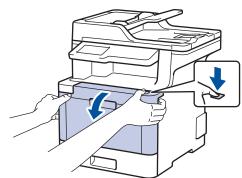
- Routine Maintenance
- Replace the Toner Cartridge
- Replace the Drum Unit
- Replace the Belt Unit
- Replace the Waste Toner Box
- Error and Maintenance Messages
- Supplies

▲ Home > Routine Maintenance > Replace Supplies > Replace the Toner Cartridge

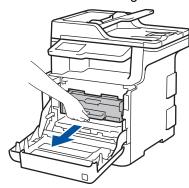
Replace the Toner Cartridge

Before starting the replacement procedure, see Related Information: Replace Supplies.

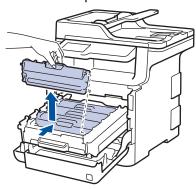
- 1. Make sure the machine is turned on.
- 2. Press the front cover release button and pull open the front cover.



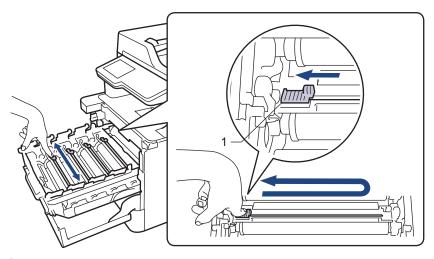
3. Hold the drum unit's green handle. Pull the drum unit out of the machine until it stops.



4. Hold the handle of the toner cartridge and gently push it away from you to unlock it. Pull it up and out of the drum unit. Repeat this for all toner cartridges.



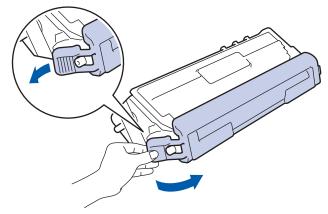
5. Clean the corona wire inside the drum unit by gently sliding the green tab from left to right and right to left several times. Repeat this for all the corona wires.



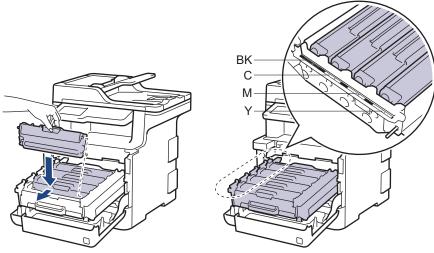


To avoid poor print quality, be sure to lock the green tab into the home position (1), flush left with the left side of the drum.

- 6. Unpack the new toner cartridge.
- 7. Remove the protective cover.



8. Insert the toner cartridge into the drum unit and gently pull it toward you until you hear it lock into place. Make sure that you match the toner cartridge colour to the same colour label on the drum unit. Repeat this for all toner cartridges.

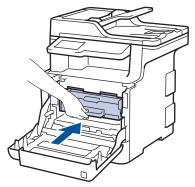


- BK: Black
- C: Cyan
- M: Magenta
- Y: Yellow



Make sure you put the toner cartridge in correctly or it may separate from the drum unit.

9. Using the green handle, push the drum unit back into the machine until it locks in place.



10. Close the machine's front cover.



- After replacing a toner cartridge, DO NOT turn the machine off or open the front cover until the machine's display returns to Ready Mode.
- The toner cartridge that comes with your Brother machine is a Inbox toner cartridge.
- We recommend keeping a new toner cartridge ready for use when you see the Toner Low warning.
- To ensure high quality printing, we recommend using only Brother Original toner cartridges. When you want to buy toner cartridges, contact Brother Customer Service or your Brother Dealer.
- DO NOT unpack the new toner cartridge until you are ready to install it.
- If a toner cartridge is left unpacked for a long time, the toner life will be shortened.
- Brother strongly recommends you DO NOT refill the toner cartridge provided with your machine. We also strongly recommend you continue to use only Brother Original replacement toner cartridges. Use or attempted use of third-party toner and/or cartridges in the Brother machine may cause damage to the machine and/or may result in unsatisfactory print quality. Our limited warranty coverage does not apply to any problem that is caused by the use of third party toner and/or cartridges. To protect your investment and obtain premium performance from the Brother machine, we strongly recommend the use of Brother Original Supplies.

Related Information

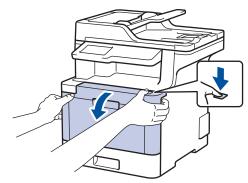
- Replace Supplies
- · Improve the Print Quality

▲ Home > Routine Maintenance > Replace Supplies > Replace the Drum Unit

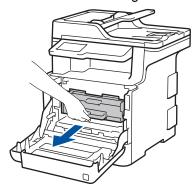
Replace the Drum Unit

Before starting the replacement procedure, see Related Information: Replace Supplies.

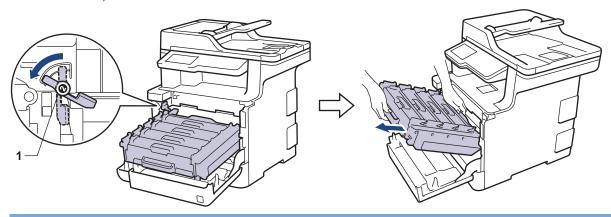
- 1. Make sure the machine is turned on.
- 2. Press the front cover release button and pull open the front cover.



3. Hold the drum unit's green handle. Pull the drum unit out of the machine until it stops.



4. Turn the green lock lever (1) counterclockwise until it locks in the release position. Holding the green handles of the drum unit, lift the front of the drum unit and remove it from the machine.



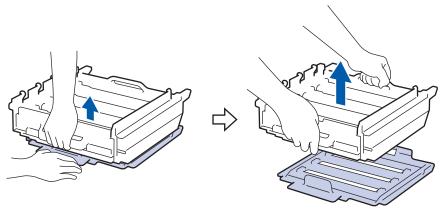
IMPORTANT

Hold the green handles of the drum unit when you carry it. DO NOT hold the sides of the drum unit.

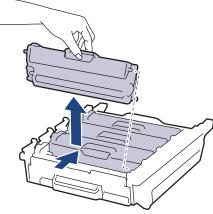


5. Unpack the new drum unit.

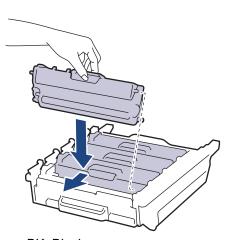
6. Remove the protective cover.

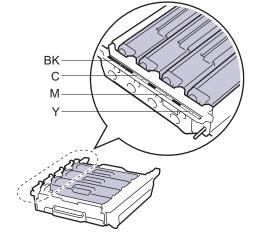


7. Hold the handle of the toner cartridge and gently push it away from you to unlock it. Pull it up and out of the drum unit. Repeat this for all toner cartridges.



8. Reinsert the toner cartridge into the new drum unit and gently pull it toward you until you hear it lock into place. Make sure that you match the toner cartridge colour to the same colour label on the drum unit. Repeat this for all toner cartridges.





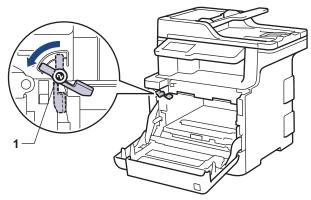
BK: BlackC: CyanM: Magenta

Wi. MageritaY: Yellow

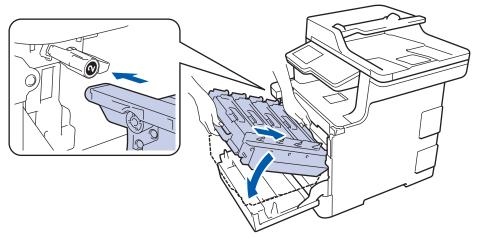


Make sure you put the toner cartridge in correctly or it may separate from the drum unit.

9. Make sure the green lock lever (1) is in the release position, as shown in the illustration.



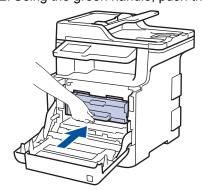
10. Gently slide the drum unit into the machine until it stops at the green lock lever.



11. Turn the green lock lever clockwise to the lock position.



12. Using the green handle, push the drum unit back into the machine until it locks in place.



13. Close the machine's front cover.

NOTE

Drum wear and tear occurs due to use and rotation of the drum and interaction with paper, toner and
other materials in the paper path. In designing this product, Brother decided to use the number of
rotations of the drum as a reasonable determinant of the drum life. When a drum reaches the factoryestablished rotation limit corresponding to the rated page yield, the product's LCD will advise you to
replace the drum. The product will continue to function; however, print quality may not be optimal.

- If an unpacked drum unit is placed in direct sunlight (or room light for long periods of time), the unit may be damaged.
- There are many factors that determine the actual drum life, such as the temperature, humidity, type of
 paper, type of toner used and so on. Under ideal conditions, the average drum life is estimated at
 approximately 30,000 pages based on 1 page per job and 50,000 pages based on 3 pages per job [A4/
 letter simplex pages]. The number of pages may be affected due to a variety of factors including but not
 limited to media type and media size.
 - Because we have no control over the many factors that determine the actual drum life, we cannot guarantee a minimum number of pages that will be printed by your drum.
- · For best performance, use only Brother Original toner.
- The machine should be used only in a clean, dust-free environment with adequate ventilation.
 Printing with a non-Brother drum unit may reduce not only the print quality but also the quality and life of the machine itself. Warranty coverage does not apply to problems caused by the use of a non-Brother drum unit.

Related Information

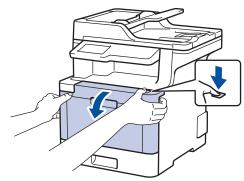
- · Replace Supplies
- · Error and Maintenance Messages
- · Improve the Print Quality

▲ Home > Routine Maintenance > Replace Supplies > Replace the Belt Unit

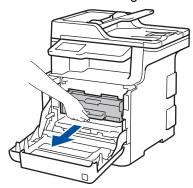
Replace the Belt Unit

Before starting the replacement procedure, see Related Information: Replace Supplies.

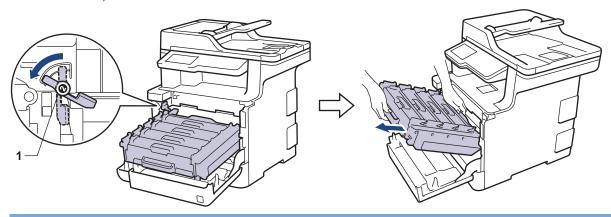
- 1. Make sure the machine is turned on.
- 2. Press the front cover release button and pull open the front cover.



3. Hold the drum unit's green handle. Pull the drum unit out of the machine until it stops.



4. Turn the green lock lever (1) counterclockwise until it locks in the release position. Holding the green handles of the drum unit, lift the front of the drum unit and remove it from the machine.

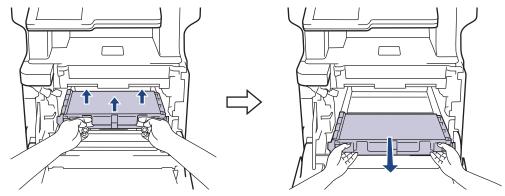


IMPORTANT

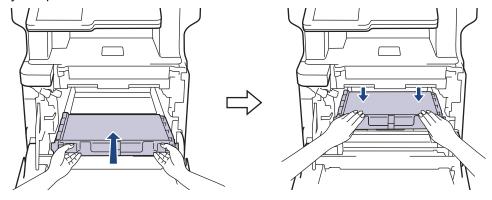
Hold the green handles of the drum unit when you carry it. DO NOT hold the sides of the drum unit.



5. Hold the green handle of the belt unit with both hands and lift the belt unit up, then pull it out.

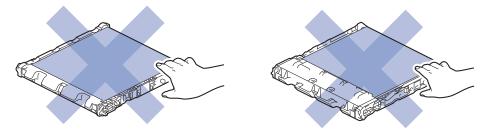


6. Unpack the new belt unit and install the new belt unit in the machine. Make sure the belt unit is level and fits firmly into place.

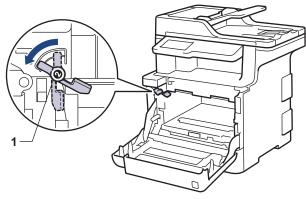


NOTE

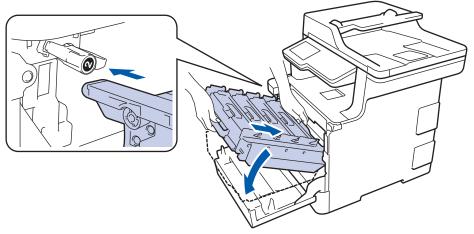
To avoid print quality problems, DO NOT touch the shaded parts shown in the illustrations.



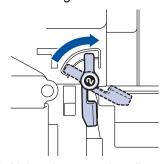
7. Make sure the green lock lever (1) is in the release position, as shown in the illustration.



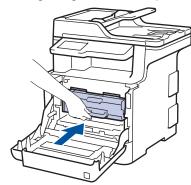
8. Gently slide the drum unit into the machine until it stops at the green lock lever.



9. Turn the green lock lever clockwise to the lock position.



10. Using the green handle, push the drum unit back into the machine until it locks in place.



11. Close the machine's front cover.

\checkmark

Related Information

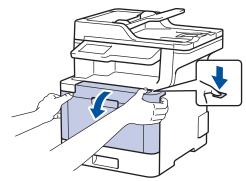
- Replace Supplies
- Improve the Print Quality

▲ Home > Routine Maintenance > Replace Supplies > Replace the Waste Toner Box

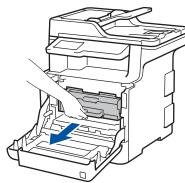
Replace the Waste Toner Box

Before starting the replacement procedure, see Related Information: Replace Supplies.

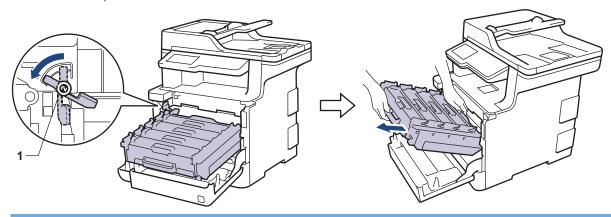
- 1. Make sure the machine is turned on.
- 2. Press the front cover release button and pull open the front cover.



3. Hold the drum unit's green handle. Pull the drum unit out of the machine until it stops.

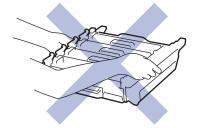


4. Turn the green lock lever (1) counterclockwise until it locks in the release position. Holding the green handles of the drum unit, lift the front of the drum unit and remove it from the machine.

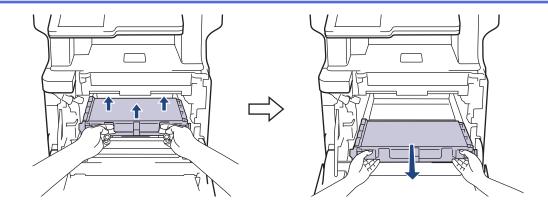


IMPORTANT

Hold the green handles of the drum unit when you carry it. DO NOT hold the sides of the drum unit.

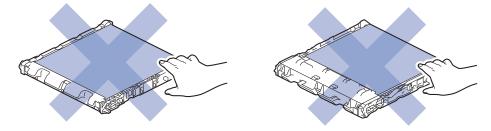


5. Hold the green handle of the belt unit with both hands and lift the belt unit up, then pull it out.

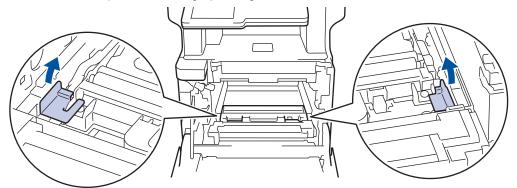


NOTE

To avoid print quality problems, DO NOT touch the shaded parts shown in the illustrations.



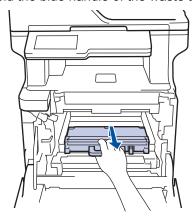
6. Remove the two pieces of orange packing material and discard them.





This step is only necessary when you are replacing the waste toner box for the first time, and is not required for the replacement waste toner box. The orange packing pieces are installed at the factory to protect your machine during shipment.

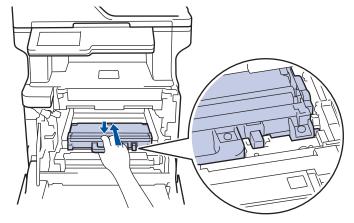
7. Hold the blue handle of the waste toner box and remove the waste toner box from the machine.



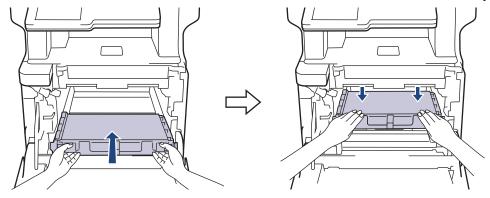


DO NOT reuse the waste toner box.

8. Unpack the new waste toner box and install the new waste toner box in the machine using the blue handle. Make sure the waste toner box is level and fits firmly into place.

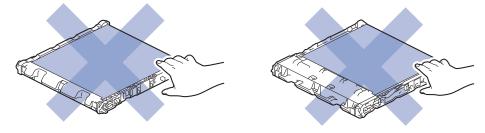


9. Slide the belt unit back into the machine. Make sure the belt unit is level and fits firmly into place.

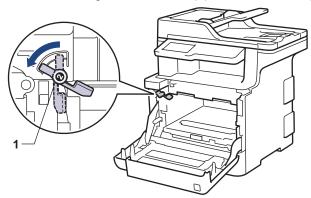


NOTE

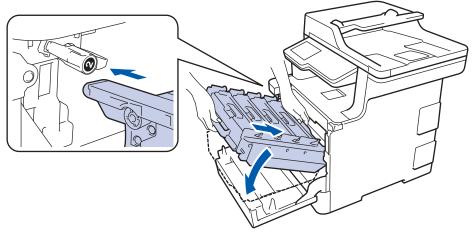
To avoid print quality problems, DO NOT touch the shaded parts shown in the illustrations.



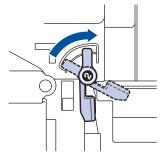
10. Make sure the green lock lever (1) is in the release position, as shown in the illustration.



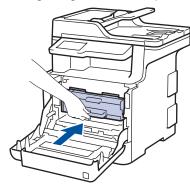
11. Gently slide the drum unit into the machine until it stops at the green lock lever.



12. Turn the green lock lever clockwise to the lock position.



13. Using the green handle, push the drum unit back into the machine until it locks in place.



14. Close the machine's front cover.



Related Information

• Replace Supplies

▲ Home > Routine Maintenance > Clean the Machine

Clean the Machine

Clean the outside and inside of the machine regularly with a dry, lint-free cloth.

When you replace the toner cartridge or the drum unit, make sure you clean the inside of the machine. If printed pages are stained with toner, clean the inside of the machine with a dry, lint-free cloth.

WARNING

 DO NOT use flammable substances, any type of spray, or an organic solvent/liquid containing alcohol or ammonia to clean the inside or outside of the product. Doing so could cause a fire. Instead, use only a dry, lint-free cloth.



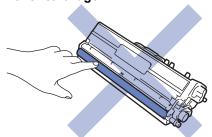




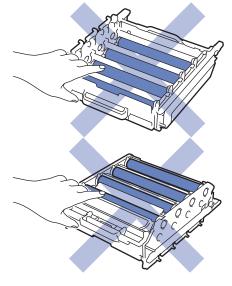
IMPORTANT

- DO NOT use isopropyl alcohol to remove dirt from the control panel. It may crack the panel.
- To avoid print quality problems, DO NOT touch the shaded parts shown in the illustrations.

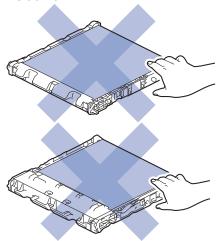
Toner cartridge



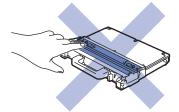
Drum unit



Belt unit



Waste toner box



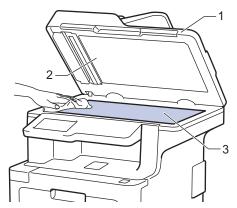
Related Information

- Routine Maintenance
- Clean the Scanner
- Clean the Laser Scanner Windows
- Clean the Touchscreen LCD
- · Clean the Corona Wires
- Clean the Drum Unit
- Clean the Paper Pick-up Rollers

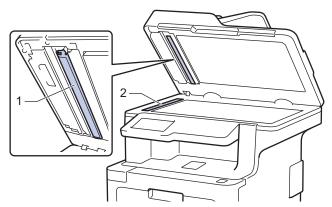
▲ Home > Routine Maintenance > Clean the Machine > Clean the Scanner

Clean the Scanner

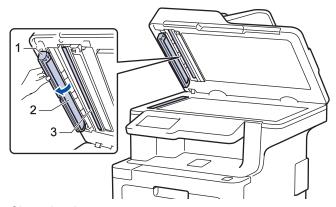
- 1. Press and hold to turn the machine off.
- 2. Lift the document cover (1). Clean the white plastic surface (2) and scanner glass (3) underneath it with a soft lint-free cloth moistened with water.



3. In the ADF unit, clean the white bar (1) and the scanner glass strip (2) underneath it with a soft lint-free cloth moistened with water.



4. Open the scanner glass cover (1), and then clean the other white bar (2) and scanner glass strip (3) (supported models only).



- 5. Close the document cover.
- 6. Press (b) to turn the machine on.

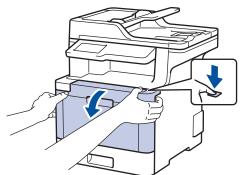
Related Information

· Clean the Machine

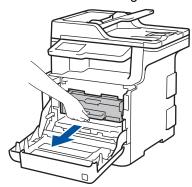
▲ Home > Routine Maintenance > Clean the Machine > Clean the Laser Scanner Windows

Clean the Laser Scanner Windows

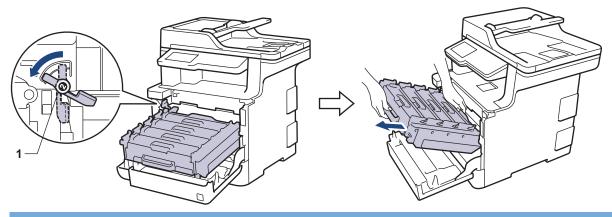
- 1. Press and hold to turn the machine off.
- 2. Press the front cover release button and pull open the front cover.



3. Hold the drum unit's green handle. Pull the drum unit out of the machine until it stops.



4. Turn the green lock lever (1) counterclockwise until it locks in the release position. Holding the green handles of the drum unit, lift the front of the drum unit and remove it from the machine.

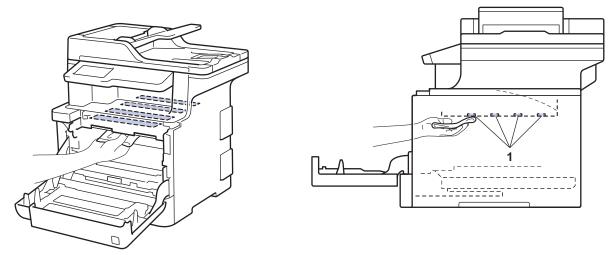


IMPORTANT

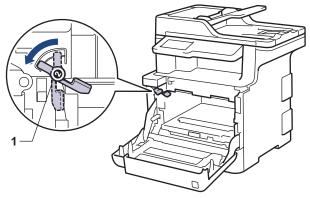
Hold the green handles of the drum unit when you carry it. DO NOT hold the sides of the drum unit.



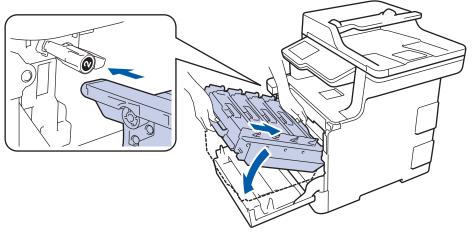
5. Wipe the four laser scanner windows (1) with a dry, soft, lint-free cloth.



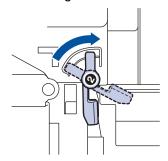
6. Make sure the green lock lever (1) is in the release position, as shown in the illustration.



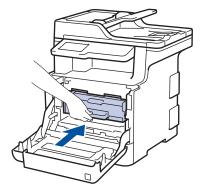
7. Gently slide the drum unit into the machine until it stops at the green lock lever.



8. Turn the green lock lever clockwise to the lock position.



9. Using the green handle, push the drum unit back into the machine until it locks in place.



- 10. Close the machine's front cover.
- 11. Press (b) to turn the machine on.



Related Information

· Clean the Machine

▲ Home > Routine Maintenance > Clean the Machine > Clean the Touchscreen LCD

Clean the Touchscreen LCD

IMPORTANT

DO NOT use any type of liquid cleaners (including ethanol).

- 1. Press and hold (b) to turn the machine off.
- 2. Clean the touchscreen with a dry, soft lint-free cloth.



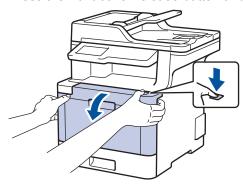
3. Press (b) to turn the machine on.

Related Information

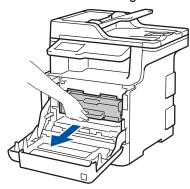
· Clean the Machine

Clean the Corona Wires

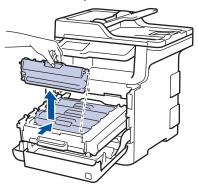
1. Press the front cover release button and pull open the front cover.



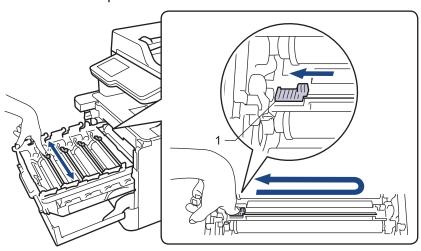
2. Hold the drum unit's green handle. Pull the drum unit out of the machine until it stops.



3. Hold the handle of the toner cartridge and gently push it away from you to unlock it. Pull it up and out of the drum unit. Repeat this for all toner cartridges.



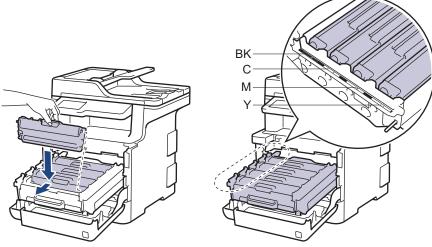
4. Clean the corona wire inside the drum unit by gently sliding the green tab from left to right and right to left several times. Repeat this for all the corona wires.





To avoid poor print quality, be sure to lock the green tab into the home position (1), flush left with the left side of the drum.

5. Insert the toner cartridge into the drum unit and gently pull it toward you until you hear it lock into place. Make sure that you match the toner cartridge colour to the same colour label on the drum unit. Repeat this for all toner cartridges.

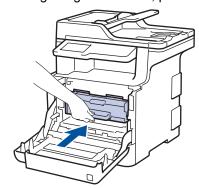


- BK: Black
- · C: Cyan
- M: Magenta
- · Y: Yellow



Make sure you put the toner cartridge in correctly or it may separate from the drum unit.

6. Using the green handle, push the drum unit back into the machine until it locks in place.



7. Close the machine's front cover.

1

Related Information

- · Clean the Machine
- Error and Maintenance Messages

▲ Home > Routine Maintenance > Clean the Machine > Clean the Drum Unit

Clean the Drum Unit

If your printout has black or white dots or other repeating marks at 94 mm intervals, the drum may have foreign material, such as glue from a label, stuck on the drum surface.

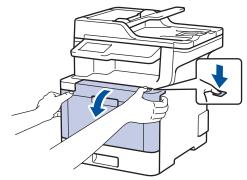
- 1. Make sure the machine is in Ready Mode.
- 2. Press [Settings] > [All Settings] > [Print Reports] > [Drum Dot Print].
- Ø

If your machine displays the [All Settings] menu on the Home screen, skip the [Settings] menu.

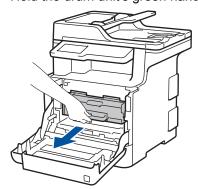
3. Press [Yes].

The machine prints the Drum Dot Check Sheet.

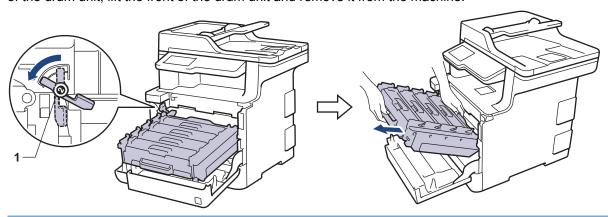
- 4. Press and hold to turn the machine off.
- 5. Press the front cover release button and pull open the front cover.



6. Hold the drum unit's green handle. Pull the drum unit out of the machine until it stops.

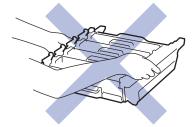


7. Turn the green lock lever (1) counterclockwise until it locks in the release position. Holding the green handles of the drum unit, lift the front of the drum unit and remove it from the machine.

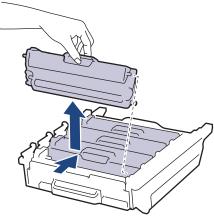


IMPORTANT

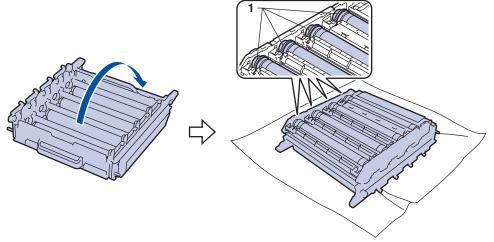
Hold the green handles of the drum unit when you carry it. DO NOT hold the sides of the drum unit.



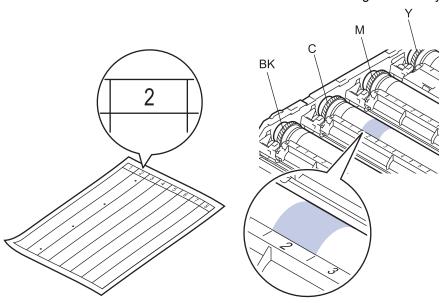
8. Hold the handle of the toner cartridge and gently push it away from you to unlock it. Pull it up and out of the drum unit. Repeat this for all toner cartridges.



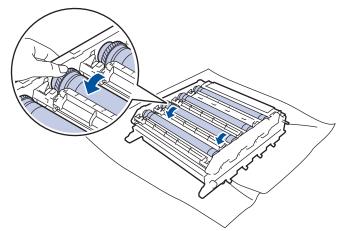
9. Turn the drum unit over by holding the green handles. Make sure that the drum unit gears (1) are on the left side.



10. Use the numbered markers next to the drum roller to find the mark. For example, a cyan dot in column 2 on the check sheet would mean that there is a mark in the "2" region of the cyan drum.



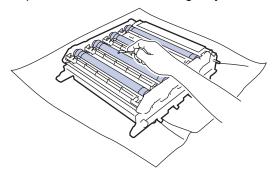
- BK: Black
- C: Cyan
- M: Magenta
- Y: Yellow
- 11. Hold the drum unit frame with both hands, place your left thumb on the drum unit gear, and roll the drum toward you by hand while looking at the surface of the suspected area.





To avoid print quality problems, DO NOT touch the surface of the drum unit except the edge.

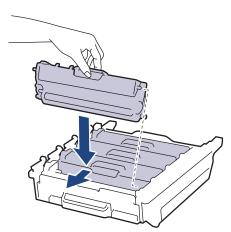
12. Wipe the surface of the drum gently with a dry cotton swab until the mark on the surface comes off.

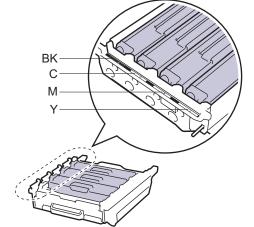


NOTE

DO NOT clean the surface of the photosensitive drum with a sharp object or any liquids.

- 13. Turn the drum unit over by holding the green handles.
- 14. Reinsert the toner cartridge into the new drum unit and gently pull it toward you until you hear it lock into place. Make sure that you match the toner cartridge colour to the same colour label on the drum unit. Repeat this for all toner cartridges.





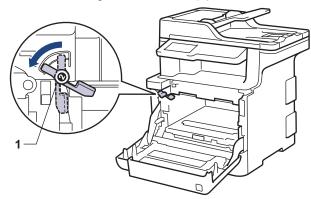
BK: Black

- C: Cyan
- M: Magenta
- Y: Yellow

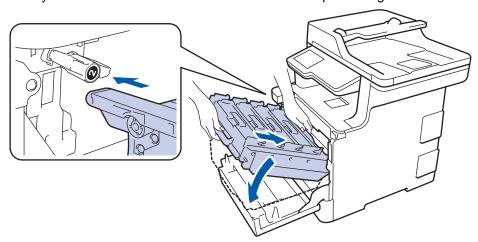


Make sure you put the toner cartridge in correctly or it may separate from the drum unit.

15. Make sure the green lock lever (1) is in the release position, as shown in the illustration.



16. Gently slide the drum unit into the machine until it stops at the green lock lever.



17. Turn the green lock lever clockwise to the lock position.



18. Using the green handle, push the drum unit back into the machine until it locks in place.



- 19. Close the machine's front cover.
- 20. Press (b) to turn the machine on.

4

Related Information

- · Clean the Machine
- Improve the Print Quality

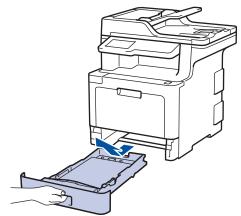
▲ Home > Routine Maintenance > Clean the Machine > Clean the Paper Pick-up Rollers

Clean the Paper Pick-up Rollers

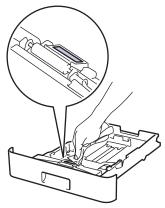
Cleaning the paper pick-up rollers periodically may prevent paper jams by ensuring that paper feeds properly.

If you have paper feed problems, clean the pick-up rollers as follows:

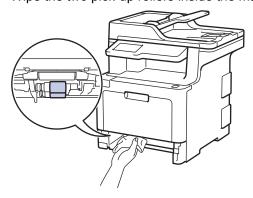
- 1. Press and hold to turn the machine off.
- 2. Pull the paper tray completely out of the machine.



- 3. If paper is loaded or something is stuck inside in the paper tray, remove it.
- 4. Tightly wring out a lint-free cloth soaked in lukewarm water, and then wipe the separator pad on the paper tray to remove dust.



5. Wipe the two pick-up rollers inside the machine to remove dust.



- 6. Reload the paper and put the paper tray firmly back in the machine.
- 7. Press (b) to turn the machine on.

Related Information

- · Clean the Machine
- Printing Problems

▲ Home > Routine Maintenance > Calibrate Colour Output

Calibrate Colour Output

The output density for each colour may vary depending on the machine's environment, including factors like temperature and humidity. Calibrating your machine helps improve the output colour density.



If you are using the Mac printer driver, the printer driver automatically retrieves the calibration data. To retrieve the data manually, you must perform the calibration using Brother's **Status Monitor**.

- 1. Press [Toner] > [Calibration] > [Calibrate]
- 2. Press [Yes].



Calibration starts automatically, and will take a few minutes.

3. Press



- · Routine Maintenance
- · Reset the Machine's Calibration Settings
- · Improve the Print Quality
- Monitor the Status of the Machine from Your Computer (Windows)
- Monitor the Status of the Machine from Your Computer (Mac)

▲ Home > Routine Maintenance > Calibrate Colour Output > Reset the Machine's Calibration Settings

Reset the Machine's Calibration Settings

If the output colour differs from what you see on your monitor, try resetting your machine's calibration parameters.

- 1. Press [Toner] > [Calibration] > [Reset]
- 2. Press [Yes].
- 3. Press .

Related Information

Calibrate Colour Output

▲ Home > Routine Maintenance > Correct Colour Print Alignment (Colour Registration)

Correct Colour Print Alignment (Colour Registration)

If solid areas of colour or images have cyan, magenta or yellow fringes, use the Colour Registration function.

- 1. Press [Toner] > [Registration]
- 2. Press [Yes].



Colour registration starts automatically, and will take around 10 seconds or more.

3. Press .

Related Information

· Routine Maintenance

▲ Home > Routine Maintenance > Check the Remaining Part Life

Check the Remaining Part Life

1. Press [Settings] > [All Settings] > [Machine Info.] > [Parts Life].



If your machine displays the [All Settings] menu on the Home screen, skip the [Settings] menu.

Press the machine part you want to check.The LCD displays the approximate remaining part life.

3. Press .



To display the approximate remaining life of the toner cartridge, press on the LCD.

Related Information

• Routine Maintenance

▲ Home > Routine Maintenance > Pack and Ship Your Brother Machine

Pack and Ship Your Brother Machine

WARNING

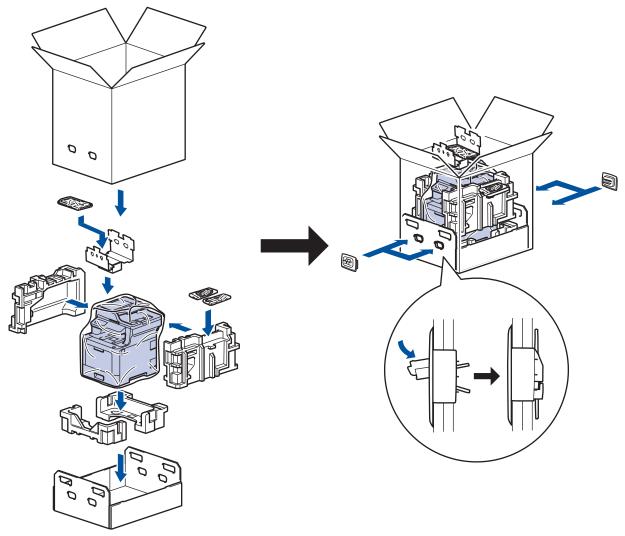
- This product is heavy and weighs more than 28.7 kg. To prevent possible injuries, at least two people should lift the product by holding it at the front and back.
- When you move the machine, carry the machine as shown in the illustration below.



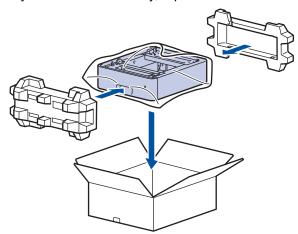
- If the machine has the Optional Tray(s) installed, remove the Optional Tray(s) BEFORE moving the machine. Attempting to move the machine without removing the Optional Tray(s) may cause injury to you or damage to the machine.
- Pack the Optional Tray(s) separately in its original carton with original packing material.



- If for any reason you must ship your machine, carefully repack the machine in the original packaging to avoid any damage during transit. The machine should be adequately insured with the carrier.
- 1. Press and hold (1) to turn the machine off. Leave the machine off for at least 10 minutes to cool down.
- 2. Disconnect all the cables, and then unplug the power cord from the electrical socket.
- 3. Put the machine into the bag it originally came in.
- 4. Pack the machine, the printed materials, and the AC power cord (if applicable) in the original carton with the original packing material as shown.



- 5. Close the carton and tape it shut.
- 6. If you have a Lower Tray, repack it as shown.



Related Information

• Routine Maintenance

▲ Home > Routine Maintenance > Replace Periodic Maintenance Parts

Replace Periodic Maintenance Parts

Replace the following parts regularly to maintain print quality. The parts listed below must be replaced after printing approximately 50,000 pages ¹ for the PF Kit MP and 100,000 pages ¹ for the other parts.

Contact Brother customer service or your local Brother dealer when the following message appears on the LCD:

LCD Message	Description
Replace Fuser ²	Replace the Fuser Unit.
Replace Laser ²	Replace the Laser Unit.
Replace PF Kit 1 ²	Replace the Paper Feeding Kit for the Paper Tray.
Replace PF Kit 2 ²³	Replace the Paper Feeding Kit for the Optional Tray(s).
Replace PF Kit MP ²	Replace the Paper Feeding Kit for the Multi-purpose Tray.

Related Information

· Routine Maintenance

¹ Letter or A4 size 1-sided pages

² Replacement frequency depends on the complexity of printed pages, percentage of coverage, and the type of media used.

³ If you use the Optional Tray(s) with your machine, this message will appear on the LCD. When the machine has multiple Optional Trays, the machine displays messages using numbers corresponding to each Optional Tray.

▲ Home > Machine Settings

Machine Settings

Customise settings and features, create shortcuts, and work with options displayed on the machine's LCD to make your Brother machine a more efficient work tool.

- Change Machine Settings from the Control Panel
- Change Machine Settings from Your Computer

▲ Home > Machine Settings > Change Machine Settings from the Control Panel

Change Machine Settings from the Control Panel

- In the Event of Power Failure (Memory Storage)
- General Settings
- · Save Your Favourite Settings as a Shortcut
- Print Reports
- Settings and Features Tables

■ Home > Machine Settings > Change Machine Settings from the Control Panel > In the Event of Power Failure (Memory Storage)

In the Event of Power Failure (Memory Storage)

Your menu settings are stored permanently, and in the event of a power failure will not be lost. Temporary settings (for example, Contrast, Overseas Mode) will be lost.

• During a power failure, the machine will retain the date and time and programmed fax timer jobs (for example: Delayed Fax) for approximately 60 hours. Other fax jobs in the machine's memory will not be lost.

Related Information

· Change Machine Settings from the Control Panel

▲ Home > Machine Settings > Change Machine Settings from the Control Panel > General Settings

- · Adjust the Machine's Volume
- Set Sleep Mode Countdown
- About Deep Sleep Mode
- Set Auto Power Off Mode
- Set the Date and Time
- Set the Time Zone
- Adjust the LCD Backlight Brightness
- Change How Long the LCD Backlight Stays On
- Set Your Station ID
- Set Tone or Pulse Dialling Mode
- Reduce Toner Consumption
- Add a Prefix to Every Fax Number
- Prevent Dialling a Wrong Number (Dial Restriction)
- Reduce Printing Noise
- Change the Language on the LCD

▲ Home > Machine Settings > Change Machine Settings from the Control Panel > General Settings > Adjust the Machine's Volume

Adjust the Machine's Volume

1. Press [Settings] > [All Settings] > [General Setup] > [Volume].



If your machine displays the [All Settings] menu on the Home screen, skip the [Settings] menu.

2. Press one of the following options:

(The options will vary depending on your machine.)

• [Ring]

Adjust the ring volume.

• [Beep]

Adjust the volume of the beep you hear when you press a button, make a mistake, or after you send or receive a fax.

• [Speaker]

Adjust the speaker volume.

- 3. Select the [Off], [Low], [Med] or [High] option, and then press the option you want.
- 4. Press

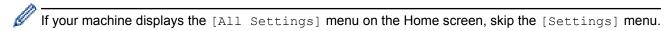
Related Information

▲ Home > Machine Settings > Change Machine Settings from the Control Panel > General Settings > Set Sleep Mode Countdown

Set Sleep Mode Countdown

The Sleep Mode (or Power Save Mode) setting can reduce power consumption. When the machine is in Sleep Mode, it acts as though it is turned off. The machine will wake up and start printing when it receives a print job or a fax. Use these instructions to set a time delay (countdown) before the machine enters Sleep Mode.

- You can choose how long the machine must be idle before it goes into Sleep Mode.
- The timer will restart if any operation is carried out on the machine, such as receiving a print job.
- 1. Press [Settings] > [All Settings] > [General Setup] > [Ecology] > [Sleep Time].



- 2. Enter the length of time (maximum 50 minutes) the machine will remain idle before entering Sleep Mode, and then press <code>[OK]</code>.
- 3. Press

Related Information

▲ Home > Machine Settings > Change Machine Settings from the Control Panel > General Settings > About Deep Sleep Mode

About Deep Sleep Mode

If the machine is in Sleep Mode and does not receive any jobs for certain length of time, the machine will automatically enter Deep Sleep Mode. The length of time is based on your specific model and settings. Deep Sleep Mode uses less power than Sleep Mode.

Applicable Models	Machine's LCD in Deep Sleep Mode	Conditions That Will Wake the Machine
MFC-L8900CDW	The LCD backlight turns off and the Power LED brightens and dims.	 The machine receives a job. Someone presses , (1) or the touchscreen LCD.

✓

Related Information

▲ Home > Machine Settings > Change Machine Settings from the Control Panel > General Settings > Set Auto Power Off Mode

Set Auto Power Off Mode

If the machine is in Deep Sleep Mode for certain length of time, based on your model and settings, the machine will go into Power Off Mode automatically. The machine does not go into Power Off Mode when the machine is connected to a network or a telephone line, or has secure print data in the memory.

- To start printing, press (b) on the control panel and then send a print job.
- 1. Press [Settings] > [All Settings] > [General Setup] > [Ecology] > [Auto Power Off].
- If your machine displays the [All Settings] menu on the Home screen, skip the [Settings] menu.
- 2. Press the [Off], [1hour], [2hours], [4hours] or [8hours] option you want.
- 3. Press

Related Information

▲ Home > Machine Settings > Change Machine Settings from the Control Panel > General Settings > Set the Date and Time

Set the Date and Time

1. Press [Settings] > [All Settings] > [Initial Setup] > [Date & Time] > [Date].



If your machine displays the [All Settings] menu on the Home screen, skip the [Settings] menu.

- 2. Enter the last two digits of the year using the LCD, and then press [OK].
- 3. Enter the two digits for the month using the LCD, and then press [OK].
- 4. Enter the two digits for the day using the LCD, and then press [OK].
- Press [Time].
- 6. Enter the time (in 24-hour format) using the LCD, and then press [OK]. (For example: enter 19:45 for 7:45 PM.)
- 7. Press

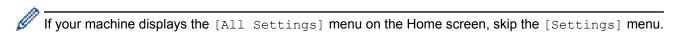
Related Information

▲ Home > Machine Settings > Change Machine Settings from the Control Panel > General Settings > Set the Time Zone

Set the Time Zone

Set the time zone for your location on the machine.

1. Press [Settings] > [All Settings] > [Initial Setup] > [Date & Time] > [Time Zone].



- 2. Enter your time zone.
- 3. Press [OK].
- 4. Press

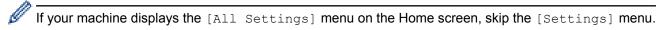
Related Information

▲ Home > Machine Settings > Change Machine Settings from the Control Panel > General Settings > Adjust the LCD Backlight Brightness

Adjust the LCD Backlight Brightness

If you are having difficulty reading the LCD, changing the brightness setting may help.

1. Press [Settings] > [All Settings] > [General Setup] > [LCD Settings] > [Backlight].



- 2. Press the [Light], [Med] or [Dark] option.
- 3. Press

Related Information

■ Home > Machine Settings > Change Machine Settings from the Control Panel > General Settings > Change How Long the LCD Backlight Stays On

Change How Long the LCD Backlight Stays On

Set how long the LCD backlight stays on.

1. Press [Settings] > [All Settings] > [General Setup] > [LCD Settings] > [Dim Timer].



If your machine displays the [All Settings] menu on the Home screen, skip the [Settings] menu.

- 2. Press the option you want:
 - [10Secs]
 - [30Secs]
 - [1Min]
 - [2Mins]
 - [3Mins]
 - [5Mins]
- 3. Press

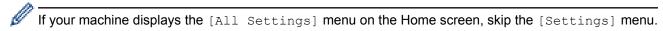
Related Information

▲ Home > Machine Settings > Change Machine Settings from the Control Panel > General Settings > Set Your Station ID

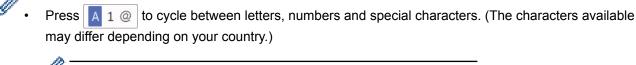
Set Your Station ID

Set the machine to print your Station ID and the fax's date and time at the top of each fax you send.

1. Press [Settings] > [All Settings] > [Initial Setup] > [Station ID] > [Fax].



- 2. Enter your fax number (up to 20 digits) using the LCD, and then press [OK].
- 3. Press [Tel].
- 4. Enter your telephone number (up to 20 digits) using the LCD, and then press [OK].
- 5. Press [Name].
- 6. Enter your name (up to 20 characters) using the LCD, and then press [OK].





- If you enter an incorrect character, press

 or

 to move the cursor to it and press

 . Press the correct character.
- To enter a space, press [Space] or ▶.
- For more detailed information, see Related Information.

7. Press

Related Information

- General Settings
- · How to Enter Text on Your Brother Machine
- · Transfer Faxes to Another Fax Machine
- · Transfer the Fax Journal Report to Another Fax Machine

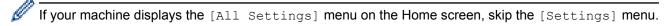
▲ Home > Machine Settings > Change Machine Settings from the Control Panel > General Settings > Set Tone or Pulse Dialling Mode

Set Tone or Pulse Dialling Mode

Your Brother machine is set for a Tone dialling service. If you have a Pulse dialling (rotary) service, you must change the dialling mode.

This feature is not available in some countries.

1. Press [Settings] > [All Settings] > [Initial Setup] > [Tone/Pulse].



- 2. Press [Tone] or [Pulse].
- 3. Press

Related Information

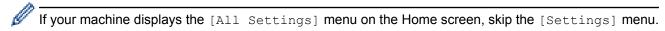
▲ Home > Machine Settings > Change Machine Settings from the Control Panel > General Settings > Reduce Toner Consumption

Reduce Toner Consumption

Using the Toner Save feature may reduce toner consumption. When Toner Save is set to on, the print on your documents appears lighter.

We DO NOT recommend using the Toner Save feature for printing photo or greyscale images.

1. Press [Settings] > [All Settings] > [General Setup] > [Ecology] > [Toner Save].



- 2. Press [On] or [Off].
- 3. Press

Related Information

- General Settings
- · Improve the Print Quality

▲ Home > Machine Settings > Change Machine Settings from the Control Panel > General Settings > Add a Prefix to Every Fax Number

Add a Prefix to Every Fax Number

The Dial Prefix setting will automatically dial a predefined number before every fax number you dial. For example: If your telephone system requires a 9 to dial an outside number, use this setting to automatically dial 9 for every fax you send.



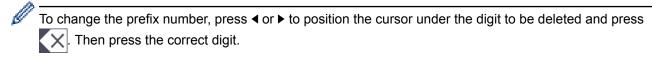
- Use the numbers and symbols from 0 to 9, #, and *. (You cannot use! with any other numbers or symbols.)
- If your telephone system requires a time break recall (hookflash), press! on the LCD.
- Press [Settings] > [All Settings] > [Initial Setup] > [Dial Prefix].



2. Press [On] or [Off].

Option	Description
On	To activate the prefix number setting, select on.
	If you selected on, go to the next step to set a prefix number.
Off	To deactivate the prefix number setting, select Off.
	If you selected Off, press to exit.

- 3. Press [Dial Prefix].
- 4. Enter a prefix number (up to five digits) using the LCD, and then press [OK].



Repeat until the prefix number is correct, and then press <code>[OK]</code>.

5. Press



▲ Home > Machine Settings > Change Machine Settings from the Control Panel > General Settings > Prevent Dialling a Wrong Number (Dial Restriction)

Prevent Dialling a Wrong Number (Dial Restriction)

This feature prevents users from sending a fax or call to the wrong number by mistake. You can set the machine to restrict dialling when you use the dial pad, Address Book, Shortcuts and LDAP search.

1. Press [Settings] > [All Settings] > [Fax] > [Dial Restriction].



If your machine displays the [All Settings] menu on the Home screen, skip the [Settings] menu.

- 2. Press one of the following options:
 - [Dial Pad]
 - [Address Book]



If you combine Address Book numbers when dialling, the numbers will be recognised as dial pad input and will not be restricted.

- [Shortcuts]
- [LDAP Server]
- 3. Press one of the following options:

Option	Description
Enter # Twice	The machine prompts you to re-enter the number, and then if you re-enter the same number correctly, the machine will start dialling. If you re-enter the wrong number, the LCD will display an error message.
On	The machine restricts all fax sending and outbound calls for that dialling method.
Off	The machine does not restrict the dialling method.



- The [Enter # Twice] setting will not work if you use an external phone or press [Hook] before entering the number. You will not be asked to re-enter the number.
- If you choose [On] or [Enter # Twice], you cannot use the Broadcasting feature.
- 4. Press



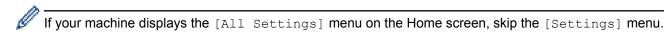
Related Information

▲ Home > Machine Settings > Change Machine Settings from the Control Panel > General Settings > Reduce Printing Noise

Reduce Printing Noise

The Quiet Mode setting can reduce printing noise. When Quiet Mode is turned on, the print speed becomes slower. The factory setting is off.

1. Press [Settings] > [All Settings] > [General Setup] > [Ecology] > [Quiet Mode].



- 2. Press [On] or [Off].
- 3. Press

Related Information

■ Home > Machine Settings > Change Machine Settings from the Control Panel > General Settings > Change the Language on the LCD

Change the Language on the LCD

Change the LCD language if needed.

This feature is not available in some countries.

1. Press [Settings] > [All Settings] > [Initial Setup] > [Local Language].



If your machine displays the [All Settings] menu on the Home screen, skip the [Settings] menu.

- 2. Press your language.
- 3. Press

Related Information

▲ Home > Machine Settings > Change Machine Settings from the Control Panel > Save Your Favourite Settings as a Shortcut

Save Your Favourite Settings as a Shortcut

- Add Shortcuts
- Change or Delete Shortcuts
- Assign a Shortcut to an ID Card

▲ Home > Machine Settings > Change Machine Settings from the Control Panel > Save Your Favourite Settings as a Shortcut > Add Shortcuts

Add Shortcuts

You can add the Fax, Copy, or Scan settings you use most frequently by saving them as your Shortcuts. Later you can press the Shortcut to apply these settings instead of manually re-entering them.

These instructions describe how to add a Copy Shortcut. The steps for adding a Fax or Scan Shortcut are very similar.

- 1. Press + [Shortcuts]. (If + [Shortcuts] is displayed.)
- 2. Press a tab.



Swipe to display the tab if needed.

- 3. Press + where you have not added a Shortcut.
- 4. Press [Copy].
- 5. Press > to access the preset copy settings.
- 6. Swipe to display the copy presets, and then press the copy preset you want.
- 7. Press [Options].
- 8. Swipe up or down or press ▲ or ▼ to display the available settings, and then press the setting you want to change.
- 9. Swipe up or down or press ▲ or ▼ to display the available options for the setting, and then press the option you want.

Repeat these two steps until you have selected all the settings and options you want.

- 10. When you have finished changing settings, press <code>[OK]</code>. (If the <code>[OK]</code> button is displayed.)
- 11. Press [Save as Shortcut].
- 12. Read and confirm the displayed list of settings you have selected, and then press [OK].
- 13. Enter a name for the Shortcut using the LCD, and then press [OK].

4

Related Information

Save Your Favourite Settings as a Shortcut

▲ Home > Machine Settings > Change Machine Settings from the Control Panel > Save Your Favourite Settings as a Shortcut > Change or Delete Shortcuts

Change or Delete Shortcuts

- 1. Press + [Shortcuts]. (If + [Shortcuts] is displayed.)
- 2. Press a tab to display the Shortcut you want to change.



Swipe to display the tab if needed.

3. Press the Shortcut you want to change.

The settings for the Shortcut you selected appear.



To delete the Shortcut or edit the name, press and hold the Shortcut until the options appear, and then follow the on-screen menus.

- 4. Press [Options].
- 5. Change the settings for the Shortcut if needed.
- 6. Press [OK] (if needed).
- 7. When finished, press [Save as Shortcut].
- 8. Read and confirm the displayed list of settings you have selected, and then press <code>[OK]</code>.
- 9. Do one of the following:
 - To overwrite the Shortcut, press [Yes].
 - If you do not want to overwrite the Shortcut, press [No] to enter a new Shortcut name. Enter a new name using the LCD, and then press [OK].



To edit the name, hold down to delete the current name.

Related Information

· Save Your Favourite Settings as a Shortcut

▲ Home > Machine Settings > Change Machine Settings from the Control Panel > Save Your Favourite Settings as a Shortcut > Assign a Shortcut to an ID Card

Assign a Shortcut to an ID Card

You can assign one machine Shortcut to your ID card. When you touch your ID card to the machine's NFC symbol, your personal Shortcut will automatically appear on the touchscreen.



- You cannot use the same ID card for different Shortcuts.
- To use the ID card for another Shortcut, unregister the card first, and then register it with the new Shortcut.
- 1. Press the tab that contains the Shortcut you want to assign to your ID card.
- 2. Press and hold the Shortcut until the options appear.
- 3. Press [Register Card/NFC].
- 4. Touch the ID card to the NFC symbol.
- 5. Press [Register].

The Shortcut is assigned to the ID Card.

V

Related Information

· Save Your Favourite Settings as a Shortcut

▲ Home > Machine Settings > Change Machine Settings from the Control Panel > Print Reports

Print Reports

- Reports
- Print a Report

▲ Home > Machine Settings > Change Machine Settings from the Control Panel > Print Reports > Reports

Reports

The following reports are available:

Address Book

The Address Book report prints an alphabetical list of names and numbers stored in the Address Book memory.

Fax Journal

The Fax Journal prints a list of information about your last 200 incoming and outgoing faxes. (TX means Transmit, RX means Receive)

User Settings

The User Settings report prints a list of your current settings.

Printer Settings

The Printer Settings report prints a list of your current printer settings.

Network Configuration (Models with network functionality)

The Network Configuration report prints a list of your current network settings.

Print File List

The Print File List prints a list of the fonts and print macros stored in the machine.

Drum Dot Print

The Drum Dot Print prints the drum dot sheet, which helps when it is time to clean the drum unit.

WLAN Report (Models with wireless network functionality)

The WLAN Report prints the wireless LAN connectivity diagnosis.



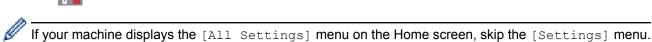
Related Information

Print Reports

▲ Home > Machine Settings > Change Machine Settings from the Control Panel > Print Reports > Print a Report

Print a Report

1. Press [Settings] > [All Settings] > [Print Reports].



- 2. Swipe up or down or press ▲ or ▼ to display the report you want to print, and then press it.
- 3. Press [Yes].
- 4. Press

Related Information

· Print Reports

▲ Home > Machine Settings > Change Machine Settings from the Control Panel > Settings and Features Tables

Settings and Features Tables

The Settings tables will help you understand the menu selections and options that are found in the machine's programs.

- Settings Tables
- Feature Tables

Settings Tables

[All Settings] > [General Setup]

Level 3	Level 4	Level 5	Descriptions	
Tray Setting	Paper Type	MP Tray	Select the paper type that matches the paper in the MP tray.	
		Tray #1	Select the paper type that matches the paper in the standard paper tray.	
		Tray #2 1	Select the paper type that matches the paper in the Optional Tray (Tray 2).	
		Tray #3 ¹	Select the paper type that matches the paper in the Optional Tray (Tray 3).	
		Tray #4 ¹	Select the paper type that matches the paper in the Optional Tray (Tray 4).	
	Paper Size	MP Tray	Select the size of paper you loaded in the MP tray.	
		Tray #1	Select the size of paper you loaded in the standard paper tray.	
		Tray #2 ¹	Select the size of paper you loaded in the Optional Tray (Tray 2).	
		Tray #3 1	Select the size of paper you loaded in the Optional Tray (Tray 3).	
		Tray #4 ¹	Select the size of paper you loaded in the Optional Tray (Tray 4).	
	Paper Low Notice	Paper Low Notice	Select whether to display a message telling you that the paper tray is nearly empty.	
		Notice Level	Select the minimum paper level that will trigger the message.	
	Check Size	-	Select whether to display a message telling you to check that the size of the paper in the machine and the machine's Paper Size setting match.	
	Tray Use: Copy	-	Select the tray to be used for Copy.	
	Tray Use: Fax	-	Select the tray to be used for Fax.	
	Tray Use: Print	-	Select the tray to be used for Print.	
Volume	Ring	-	Adjust the ring volume.	
	Веер	-	Adjust the beeper volume.	
	Speaker	-	Adjust the speaker volume.	
LCD Settings	Backlight	-	Adjust the brightness of the LCD backlight.	
	Dim Timer	-	Set how long the LCD backlight stays on after you go back to your Main Home screen.	
Notice Settings	Scan Result(Skip Blank Page)	-	Displays the total scanned pages and skipped blank pages after scanning is completed.	
Ecology	Toner Save	-	Increase the page yield of the toner cartridge.	
	Sleep Time	-	Set how much time will pass before the machine enters Power Saving Mode.	
	Quiet Mode	-	Decrease printing noise.	
	Auto Power Off	-	Set the number of hours that the machine will remain in Deep Sleep Mode before going into Power Off Mode.	

[All Settings] > [Shortcut Settings]

Level 3	Level 4	Descriptions	
(Select a Shortcut)	Rename	Change the shortcut name.	
	Edit	Change the shortcut settings.	
	Delete	Delete the shortcut.	
	Register Card/NFC	Assign a Shortcut to an ID card.	
	Delete Card/NFC	Remove a Shortcut from an ID card.	

[All Settings] > [Fax]

Level 3	Level 4	Level 5	Descriptions	
Setup Receive	Receive Mode	-	Select the Receive Mode that best suits your needs.	
	Ring Delay	-	Set the number of rings before the machine answers in Fax Auto mode.	
	Fax Preview	-	View received faxes on the LCD.	
	Fax Detect	-	Receive fax messages automatically when you answer a call and hear fax tones.	
	Remote Codes	Remote Codes	Answer calls at an extension or external telephone and	
		Act.Code	use codes to turn the Remote Codes on or off. You can personalise the codes.	
		Deact.Code		
	Auto Reduction	-	Reduce the size of incoming faxes.	
	Fax Rx Stamp	-	Print the received time and date on the top of received faxes.	
	2-sided	-	Print received faxes on both sides of the paper.	
Setup Send	Batch TX	-	Combine delayed faxes to the same fax number at the same time of day into one transmission.	
	Auto Redial	-	Set the machine to redial the last fax number after five minutes if the fax did not go through because the line was busy.	
	Destination	-	Set the machine to display the destination information on the LCD during fax dialling.	
Report Setting	Journal Period	Journal Period	Set the interval for automatic printing of the Fax Journal.	
Dial Restriction	Dial Pad	-	Set the machine to restrict dialling when using the dial pad.	
	Address Book	-	Set the machine to restrict the dialling when using the Address Book.	
	Shortcuts	-	Set the machine to restrict the dialling when using a Shortcut.	
	LDAP Server	-	Set the machine to restrict the dialling of LDAP server numbers.	
Remaining Jobs	-	-	Check which scheduled jobs are in the machine's memory and cancel selected jobs.	
Miscellaneous	Fax Mode	-	Select the transmission process when sending or receiving the faxes manually.	

[All Settings] > [Printer]

Level 3	Level 4	Level 5	Descriptions
Emulation	-	-	Select the emulation mode.
Quality	-	-	Select the print quality.
Print Options	Font List	HP LaserJet	Print a list of the machine's internal fonts.
		BR-Script 3	
	Test Print	-	Print a test page.
2-sided	2-sided Print	-	Enable or disable 2-sided printing and choose long edge or short edge.
	Single Image	-	For a print job where the last page is a 1-sided image, select the 1-sided Feed option to reduce printing time.
			When you use letterhead or preprinted paper, you must select the 2-sided Feed option. If you select 1-sided Feed for letterhead or preprinted paper, the last page will be printed on the reverse side.
Auto Continue	-	-	Select if you want the machine to clear paper size errors or media type errors automatically, and use paper from other trays.
Output Colour	-	-	Set the output colour.
HP Tray Command	-	-	Select the correct version of HP LaserJet tray emulation.
Reset Printer	-	-	Restore the printer settings to the factory settings.
Colour Correction	Calibration	Calibrate	Initiate colour calibration to check and correct colours.
		Reset	Reset the calibration parameters to the default settings.
	Registration	-	Align the print position of each colour.
	Auto Correction	-	Set the machine to perform Colour Calibration and Registration automatically.
	Colour Settings	Setting Mode	Select whether to apply the colour print settings of the machine or the printer driver.
		Colour Mode	Select the colour mode.
		Improve Grey Colour	Turn on or off to improve the image quality of shaded areas.
		Enhance Black Printing	Turn on or off if a black graphic does not print correctly.
		Brightness	Adjust the brightness.
		Contrast	Adjust the contrast.
		Red	Adjust the red colour.
		Green	Adjust the green colour.
		Blue	Adjust the blue colour.

[All Settings] > [Network]

Level 3	Level 4	Level 5	Level 6	Descriptions
Wired LAN		BOOT Method	IP Boot Tries	Select the BOOT method that best suits your needs.
		IP Address	-	Enter the IP address.

Level 3	Level 4	Level 5	Level 6	Descriptions
Wired LAN	TCP/IP	Subnet Mask	-	Enter the Subnet mask.
		Gateway	-	Enter the Gateway address.
		Node Name	-	Enter the Node name.
				(up to 32 characters)
		WINS Configuration	-	Select the WINS configuration mode.
		WINS Server	Primary	Specify the IP address of the primary WINS server.
			Secondary	Specify the IP address of the secondary WINS server.
		DNS Server	Primary	Specify the IP address of the primary DNS server.
			Secondary	Specify the IP address of the secondary DNS server.
		APIPA	-	Set the machine to allocate the IP address from the link-local address range automatically.
		IPv6	-	Turn the IPv6 protocol on or off. To use the IPv6 protocol, go to the Brother Solutions Center at support.brother.com for more information.
	Ethernet	-	-	Select the Ethernet link mode.
	Wired Status	-	-	View the current wired status.
	MAC Address	-	-	View the machine's MAC address.
	Set to Default	-	-	Restore the wired network settings to the factory settings.
	Wired Enable (For wireless network models)	-	-	Turn the Wired LAN on or off manually.
WLAN (For wireless	TCP/IP	BOOT Method	IP Boot Tries	Select the BOOT method that best suits your needs.
network models)		IP Address	-	Enter the IP address.
		Subnet Mask	-	Enter the Subnet mask.
		Gateway	-	Enter the Gateway address.
		Node Name	-	Enter the Node name.
				(up to 32 characters)
		WINS Configuration	-	Select the WINS configuration mode.
		WINS Server	Primary	Specify the IP address of the primary WINS server.
			Secondary	Specify the IP address of the secondary WINS server.
		DNS Server	Primary	Specify the IP address of the primary DNS server.
			Secondary	Specify the IP address of the secondary DNS server.

Level 3	Level 4	Level 5	Level 6	Descriptions
WLAN (For wireless network models)	TCP/IP	APIPA	-	Set the machine to allocate the IP address from the link-local address range automatically.
		IPv6	-	Turn the IPv6 protocol on or off. To use the IPv6 protocol, go to the Brother Solutions Center at support.brother.com for more information.
	Setup Wizard	-	-	Configure the wireless network settings using the setup wizard.
	WLAN Assistant	-	-	Configure your wireless network settings using the Brother installation disc.
	WPS	-	-	Configure your wireless network settings using the one-button push method.
	WPS w/ PIN Code	-	-	Configure your wireless network settings using WPS with a PIN.
	WLAN Status	Status	-	View the current wireless network status.
		Signal	-	View the current wireless network signal strength.
		SSID	-	View the current SSID.
		Comm. Mode	-	View the current Communication Mode.
	MAC Address	-	-	View the machine's MAC address.
	Set to Default	-	-	Restore the wireless network settings to the factory settings.
	WLAN Enable	-	-	Turns the wireless interface on or off.
Wi-Fi Direct (For wireless network models)	Push Button	-	-	Configure your Wi-Fi Direct network settings using the one-button push method.
	PIN Code	-	-	Configure your Wi-Fi Direct network settings using WPS with a PIN code.
	Manual	-	-	Configure your Wi-Fi Direct network settings manually.
	Group Owner	-	-	Set your machine as the Group Owner.
	Device	Device Name	-	View your machine's device name.
	Information	SSID	-	View the Group Owner's SSID. When the machine is not connected, the LCD displays Not Connected.
		IP Address	-	View your machine's current IP Address.
	Status Information	Status	-	View the current Wi-Fi Direct network status.
		Signal	-	View the current Wi-Fi Direct network signal strength.
				When your machine acts as Group Owner, the LCD always indicates a strong signal.

Level 3	Level 4	Level 5	Level 6	Descriptions
Wi-Fi Direct	I/F Enable	-	-	Turn the Wi-Fi Direct connection on
(For wireless network models)				or off.
NFC	-	-	-	Turn the NFC function on or off.
(Available only for certain models)				
E-mail/IFAX	Mail Address	-	-	Enter the email address.
	Setup Server	SMTP	Server	Enter the SMTP server name and address.
			Port	Enter the SMTP port number.
			Auth. for SMTP	Select the Security method for email notification.
			SSL/TLS	Send or receive an email via an email server that requires secure SSL/TLS communication.
			Verify Cert.	Verify the SMTP Server Certificate automatically.
		POP3/IMAP4	Protocol	Select the protocol for receiving an email from the server.
			Server	Enter the server name and address.
			Port	Enter the port number.
			Mailbox Name	Enter the mailbox name. (Up to 60 characters)
			Mailbox Password	Enter the password to login to the server.
			0-1	(Up to 32 characters)
			Select Folder	Select the specified folder in the mailbox using the IMAP4 protocol.
			SSL/TLS	Send or receive an email via an email server that requires secure SSL/TLS communication.
			Verify Cert.	Verify the SMTP Server Certificate automatically.
			APOP	Turn APOP on or off.
	Setup Mail RX	Auto Polling	Auto Polling	Check the server for new messages automatically.
			Poll Frequency	Set the interval for checking new messages on the server.
		Header	-	Select the contents of the email header to be printed.
		Del/Read Error Mail	-	The POP3 server deletes error emails automatically. The IMAP4 server deletes error emails automatically after you read them.
		Notification	-	Receive notification messages.
	Setup Mail TX	Sender Subject	-	View the subject.
		Size Limit	Size Limit	Limit the size of email documents.
			Maximum Size(MB)	

Level 3	Level 4	Level 5	Level 6	Descriptions
E-mail/IFAX	Setup Mail TX	Notification	-	Send notification messages.
	Setup Relay	Relay Broadcast	-	Relay a document to another fax machine.
		Relay Domain	Relay XX	Register the Domain name.
		Relay Report	-	Print the relay Broadcast Report.
	Manual Receive	-	-	Check the POP3 or IMAP4 server for new messages manually.
Fax to Server	Fax to Server	-	-	Select the network connection type.
	Prefix	-	-	
	Suffix	-	-	
I-Fax Forward	-	-	-	Enable or disable the I-Fax Forward function.
IPsec	-	-	-	IPsec is an optional security feature of the IP protocol that provides authentication and encryption services. We recommend contacting your network administrator before changing this setting.
Network Reset	-	-	-	Restore all network settings back to the factory settings.

[All Settings] > [Print Reports]

Level 3	Level 4	Descriptions	
Address Book	-	Print a list of names and numbers stored in the Address Book.	
Fax Journal	-	Print a list of information about your last 200 incoming and outgoing fax (TX means Transmit. RX means Receive.)	
User Settings	-	Print a list of your settings.	
Printer Settings	-	Print a list of your Printer settings.	
Network Configuration	-	Print a list of your Network settings.	
Print File List	-	Print a list of data saved in the machine's memory.	
Drum Dot Print	-	Print the Drum Dot Check Sheet.	
WLAN Report	-	Print the wireless LAN connection results.	
(For wireless network models)			

[All Settings] > [Machine Info.]

Level 3	Level 4	Level 5	Descriptions
Serial No.	-	-	Check your machine's serial number.
Firmware Version	Main Version	-	Check your machine's firmware version.
	Sub1 Version	-	
Page Counter	Total	Colour	Check the number of the pages the machine has printed
		Black and White	
	Fax	-	
	Сору	Colour	
		Black and White	

Level 3	Level 4	Level 5	Descriptions	
Page Counter	Print	Colour	Check the number of the pages the machine has printed	
		Black and White		
	Other	Colour		
		Black and White		
Parts Life 1	Drum	-	Display the remaining life of the drum unit.	
	Belt	-	Display the remaining life of the belt unit.	
	Fuser	-	Display the remaining life of the fuser unit.	
	Laser Unit	-	Display the remaining life of the laser unit.	
	PF Kit MP	-	Display the remaining life of the PF kit MP.	
	PF Kit 1	-	Display the remaining life of the PF Kit 1.	
	PF Kit 2 ²	-	Display the remaining life of the PF Kit 2.	
	PF Kit 3 ²	-	Display the remaining life of the PF Kit 3.	
	PF Kit 4 ²	-	Display the remaining life of the PF Kit 4.	

¹ Life is approximate and may vary by type of use.

[All Settings] > [Initial Setup]

Level 3	Level 4	Descriptions			
Date & Time	Date	Add the date and time on the screen and in the headings of the faxes			
	Time	you send.			
	Time Zone	Set your time zone.			
Station ID	Fax	Enter your name and fax number so it appears on each page you fax.			
	Tel				
	Name				
Tone/Pulse (Available only for some countries)	-	Select the dialling mode.			
Dial Tone	-	Shorten the dial tone detect pause.			
Dial Prefix	-	Set a prefix number to always be added before the fax number ever time you dial.			
Compatibility	-	Adjust the equalisation for transmission difficulties. VoIP service providers offer fax support using various standards. If you regularly experience fax transmission errors, select Basic (for VoIP).			
Reset Machine Reset		Restore the machine settings that you have changed, such as Date and Time.			
	Network Reset	Restore all network settings back to the factory settings.			
	Address Book & Fax	Erase all stored phone numbers and fax settings.			
	All Settings	Restore all the machine's settings back to the factory settings and delete the personal data in the memory. You cannot see the data on the machine.			

² Available if the Optional Tray(s) is installed.

Level 3	Level 4	Descriptions
Reset	Factory Reset	Restore all the machine settings back to the factory settings and delete the personal data in the machine's memory. We recommend using this menu option if you want to delete all the data from the machine.
Local Language (Available only for some	-	Change your LCD language.
countries)		



[Admin Settings]

Level 2	Level 3	Level 4	Level	5 Descriptions
Home Screen Settings	Icons	-	-	Delete icons, add icons or move icons to other places on the Home screens.
	Background Colour	-	-	Change the background colour on the touchscreen to White or Black.
	Tabs	Rename	Tab 1	Change the name of the tabs.
			Tab 2	
			Tab 3	
			Tab 4	
			Tab 5	
			Tab 6	
			Tab 7	
			Tab 8	
		Main Home Screen	-	Set your Main Home screen.
	Home Screen Settings Reset	-	-	Restore Home screen settings back to the factory settings.
Other Screen	Copy Screen	-	-	Set the default Copy screen settings.
Settings	Scan Screen	-	-	Set the default Scan screen settings.
Restriction Management	User Restriction Function	-	-	Enable or disable the restriction function, such as Secure Function Lock.
	Setting Lock	-	-	Restrict unauthorised users from changing the machine's settings.
	Setting Lock Details	-	-	Select the specific machine settings you want to restrict unauthorised users from changing.
Password	-	-	-	Register or change the password to log on to the Admin Settings menu.



Related Information

• Settings and Features Tables

▲ Home > Machine Settings > Change Machine Settings from the Control Panel > Settings and Features Tables > Feature Tables

Feature Tables

(Wired Network Setup)

Level 3	Descriptions
TCP/IP	Change the TCP/IP settings.
Ethernet	Select the Ethernet link mode.
Wired Status	View the current wired status.
MAC Address	View the machine's MAC address.
Set to Default	Restore the wired network settings to the factory settings.
Wired Enable	Turn the Wired LAN on or off manually.

WiFi

(Wi-Fi[®] Setup)

For wireless network models

Level 3	Descriptions
TCP/IP	Change the TCP/IP settings.
Setup Wizard	Configure the wireless network settings using the setup wizard.
WLAN Assistant	Configure your wireless network settings using the Brother installation disc.
WPS	Configure your wireless network settings using the one-button push method.
WPS w/ PIN Code	Configure the wireless network settings using WPS with a PIN code.
WLAN Status	Display the wireless network connection status.
MAC Address	Display the MAC address of the machine.
Set to Default	Restore wireless network settings of your machine to the factory settings.
WLAN Enable	Turn the wireless interface on or off.

Available after the Wi-Fi[®] is set up



[Toner]

Level 3	Level 4	Descriptions
Toner Life	-	View the approximate remaining toner life for each colour.
Test Print	-	Print a test page.
Calibration	Calibrate	Initiate colour calibration to check and correct colours.
	Reset	Reset the calibration parameters to the default settings.
Registration	-	Align the print position of each colour.



[Admin Settings]

Level 2	Descriptions
Admin Settings	Change the screen settings and restrict use of the machine.



[Fax] (When Fax Preview is Off)

Level 3	Level 4	Level 5	Level 6	Descriptions
Redial/ Pause	-	-	-	Redial the last number called. When you are entering a fax or telephone number on the control panel, Redial changes to Pause on the LCD. Press Pause when you need a delay while dialling numbers, such as access codes and credit card numbers. You can also store a pause when you set up addresses.
Hook	-	-	-	Press before dialling if you want to listen to make sure a fax machine has answered, and then press Fax Start.
Address Book	(Search)	-	-	Search within the Address Book.
	Edit	Add New	Name	Store Address Book numbers, set up Group
		Address	pinyin	numbers for Broadcasting, change and delete Address Book numbers.
			Address	Address Book Hambers.
		Setup	Name	
		Groups	pinyin	
			Add/ Delete	
		Change	(Select Address)	
		Delete	(Select Address)	
	(Select Address Book)	Apply	-	Start sending a fax using the Address Book.
Call	Outgoing Call	(Select	Apply	Select a number from the Outgoing Call history
History		Outgoing Call)	Edit	and then send a fax to it, add it to the Address Book, or delete it.
Fax Start	-	-	-	Send a fax.
Options	Fax Resolution	-	-	Set the resolution for outgoing faxes.
	Contrast	-	-	Adjust the contrast.
	2-sided Fax	-	-	Set the 2-sided scanning format.
	Glass Scan Size	-	-	Adjust the scan area of the scanner glass to the size of the document.
	Broadcasting	Add Number	Add Number	Send the same fax message to more than one fax number.
			Add from Address book	
			Search in Address book	

Level 3	Level 4	Level 5	Level 6	Descriptions
Options	Delayed Fax	Delayed Fax	-	Set the time of day the delayed faxes will be sent.
		Set Time	-	
	Overseas Mode	-	-	Set to On if you have difficulty sending faxes overseas.
	Set New Default	-	-	Save your settings as the default.
	Factory Reset	-	-	Restore all settings back to the factory settings.
Save as Shortcut	-	-	-	Save the current settings as a shortcut.



[Fax] (When Fax Preview is On)

Level 3	Level 4	Level 5	Level 6	Descriptions
Sending Faxes	Redial / Pause	-	-	Redial the last number called. When you are entering a fax or telephone number on the control panel, Redial changes to Pause on the LCD. Press Pause when you need a delay while dialling numbers, such as access codes and credit card numbers. You can also store a pause when you set up addresses.
	Hook	-	-	Press before dialling if you want to listen to make sure a fax machine has answered, and then press Fax Start.
	Address Book	-	-	Select the address of the recipient from the address book.
	Call History	-	-	Select a number from the Outgoing Call history and then send a fax to it, add it to the Address Book, or delete it.
	Fax Start	-	-	Send a fax.
	Options	-	-	Select your settings.
	Save as Shortcut	-	-	Save the current settings as a shortcut.
Received Faxes	Print/Delete	Print All(New Faxes)	-	Print the new received faxes.
		Print All(Old Faxes)	-	Print the old received faxes.
		Delete All (New Faxes)	-	Delete the new received faxes.
		Delete All(Old Faxes)	-	Delete the old received faxes.
Address Book	-	-	-	Select the address of the recipient from the address book.
Call History	-	-	-	Select a number from the Outgoing Call history and then send a fax to it, add it to the Address Book, or delete it.



Level 3	Level 4	Level 5	Descriptions	
Mono Start	-	-	Make a monochrome or greyscale copy.	
Colour Start	-	-	Make a colour copy.	
ID	-	-	Make a copy of your ID card.	
> (more Copy options)	Receipt	Mono Start	Set the preset copy settings of Receipt.	
		Colour Start		
		ID		
		Save as Shortcut		
		> (more Copy options)		
		Options		
	Normal	Mono Start	Set the preset copy settings of Normal.	
		Colour Start		
		ID		
		Save as Shortcut		
		> (more Copy options)		
		Options		
	2in1(ID)	Mono Start	Set the preset copy settings of 2in1(ID).	
		Colour Start		
		ID		
		Save as Shortcut		
		> (more Copy options)		
		Options		
	2in1	Mono Start	Set the preset copy settings of 2in1.	
		Colour Start		
		ID		
		Save as Shortcut		
		> (more Copy options)		
		Options		
	2sided(1⇒2)	Mono Start	Set the preset copy settings of 2-sided(1⇒2).	
		Colour Start		
		ID		
		Save as Shortcut		
		> (more Copy options)		
		Options		
	2sided(2⇒2)	Mono Start	Set the preset copy settings of 2-sided(2⇒2).	
		Colour Start		
		ID		
		Save as Shortcut		
		> (more Copy options)		
		Options		
		-		

Level 3	Level 4	Level 5	Descriptions
> (more Copy options)	Paper Save	Mono Start	Set the preset copy settings of Paper Save.
		Colour Start	
		ID	
		Save as Shortcut	
		> (more Copy options)	
		Options	
Options	Enlarge/Reduce	100%	-
		Enlarge	Select an enlargement ratio for the next copy.
		Reduce	Select a reduction ratio for the next copy.
		Custom (25-400%)	Enter an enlargement or reduction ratio.
	Density	-	Adjust the density.
	Tray Use	-	Select the tray that will be used.
	2-sided Copy	Layout	Turn off or turn on 2-sided copying and select flip on long edge or flip on short edge.
	2-sided Copy Page Layout	-	Select a page layout option when you make 2-sided N in 1 copies from a 2-sided document.
	Quality	-	Select the Copy resolution for your document type.
	Contrast	-	Adjust the contrast.
	Stack/Sort	-	Select to stack or sort multiple copies.
	Page Layout	-	Make N in 1 and 2 in 1 ID copies.
	Colour Adjust	-	Adjust the colour for copies.
	Remove Background Colour	-	Change the amount of background colour that is removed.
Save as Shortcut	-	-	Save the current settings as a shortcut.



Level 3	Level 4	Level 5	Level 6	Descriptions
to USB	Scan Actions	-	-	Scan documents to a USB Flash memory drive.
	Options	Resolution	-	
		File Type	-	
		Scan Type	-	
		2-sided Scan	-	
		Document Size	-	
		Brightness	-	
		Contrast	-	
		File Name	-	
File Size	File Name Style	-		
		File Size	-	
		ADF Auto Deskew	-	
		Skip Blank Page	-	

Level 3	Level 4	Level 5	Level 6	Descriptions	
to USB	Options	Skip Blank Page Sensitivity	-	Scan documents to a USB Flash memory drive.	
		Remove Background Colour	-		
		Set New Default	-		
		Factory Reset	-		
	Save as Shortcut	-	-		
	Start	-	-		
to PC	to File	Scan Actions	-	Scan documents and save them to	
		(Select USB or PC)	Options	a folder on your computer.	
			Save as Shortcut		
			Start		
	to OCR	Scan Actions	-	Convert your scanned document to	
		(Select USB or PC)	Options	an editable text file.	
			Save as Shortcut		
			Start		
	to Image	Scan Actions	-	Scan photos or graphics into your	
		(Select USB or PC)	Options	graphics applications.	
			Save as Shortcut		
			Start		
	to E-mail	Scan Actions	-	Send a scanned document as an email attachment.	
		(Select USB or PC)	Options		
			Save as Shortcut		
			Start		
to E-mail	Scan Actions	-	-	Scan a monochrome or a colour	
Server	Cancel	-	-	document to the email address you want.	
	Manual	-	-		
	Address Book	Q	-		
		(Search)			
		Edit	-		
		(Select Address Book)	-		
	Next	Destinations	-		
		Options	-		
		Save as Shortcut	-		
		Start	-		
	Destinations	(Select Address)	-		

Level 3	Level 4	Level 5	Level 6	Descriptions
to My E-mail	-	-	-	Scan a monochrome or a colour document to your email address.
to FTP/SFTP	Scan Actions	-	-	Send scanned data via FTP/SFTP.
	(Select Profile	Options	-	
	name)	Save as Shortcut	-	
		Start	-	
to Network	Scan Actions	-	-	Send scanned data to a CIFS
	(Select Profile	Options	-	server on your local network or on the Internet.
	name)	Save as Shortcut	-	
		Start	-	
to My Folder	-	-	-	Send scanned data to your folder in the CIFS server on your local network or on the Internet.
to SharePoint	Scan Actions	-	-	Send scanned data via a
	(Select Profile	Options	-	SharePoint server.
	name)	Save as Shortcut	-	
		Start	-	
WS Scan	Scan Actions	-	-	Scan data using the Web Service
(Appears when you install a Web Services Scanner,	Scan	-	-	protocol.
	Scan for E-mail	-	-	
which is displayed in your computer's	Scan for Fax	-	-	
Network explorer.)	Scan for Print	-	-	



[Secure Print]

Level 2	Level 3	Level 4	Descriptions
Secure Print	(Select User)	(Select Secure Print Job)	You can print data saved in the machine's memory when you enter your four-digit password.
			Active only when the machine has secure print data.



Level 2	Level 3	Descriptions
USB	Scan to USB	Scan documents to a USB Flash memory drive.
	Direct Print	Print the data directly from the USB flash drive.



Level 3	Level 4	Level 5	Descriptions
Add Shortcut	Сору	-	Select the settings you want.
	Fax	-	Select the settings you want.
	Scan	to File	Scan a monochrome or a colour document to your computer.

Level 3	Level 4	Level 5	Descriptions
Add Shortcut	Scan	to OCR	Convert your scanned document to an editable text file.
		to Image	Scan a colour picture into your graphics application.
		to USB	Scan documents to a USB Flash memory drive.
		to E-mail	Scan a monochrome or a colour document into your email application.
		to E-mail Server	Scan a monochrome or a colour document to the email address you want.
		to Network	Send scanned data to a CIFS server on your local network or on the Internet.
		to FTP/SFTP	Send scanned data via FTP/SFTP.
		to SharePoint	Send scanned data via a SharePoint server.
These lists appears when	Rename	-	Change the shortcut name.
each Shortcut name is pressed for two seconds.	Edit	-	Change the shortcut settings.
	Delete	-	Delete the shortcut.
	Register Card/NFC	-	Assign a Shortcut to an ID card.
	Delete Card/NFC	-	Remove a Shortcut from an ID card.



[Receive Mode]

Level 2	Descriptions			
Receive Mode	Select the Receive Mode that best suits your needs.			



[2 in 1 ID Copy]

L	Level 2					Descriptions
2	2 in 1 ID Copy		Сору	Copy both sides of an identification card onto one page.		

Related Information

Settings and Features Tables

▲ Home > Machine Settings > Change Machine Settings from Your Computer

Change Machine Settings from Your Computer

- Change Machine Settings Using Web Based Management
- Change the Machine Settings Using Remote Setup
- Where Can I Find My Brother Machine's Network Settings?
- Network Management Software and Utilities

▲ Home > Machine Settings > Change Machine Settings from Your Computer > Change Machine Settings Using Web Based Management

Change Machine Settings Using Web Based Management

Web Based Management is a utility that uses a standard web browser to manage your machine using the Hyper Text Transfer Protocol (HTTP) or Hyper Text Transfer Protocol over Secure Socket Layer (HTTPS).

- What is Web Based Management?
- Access Web Based Management
- Set a Login Password for Web Based Management
- Network Management Software and Utilities

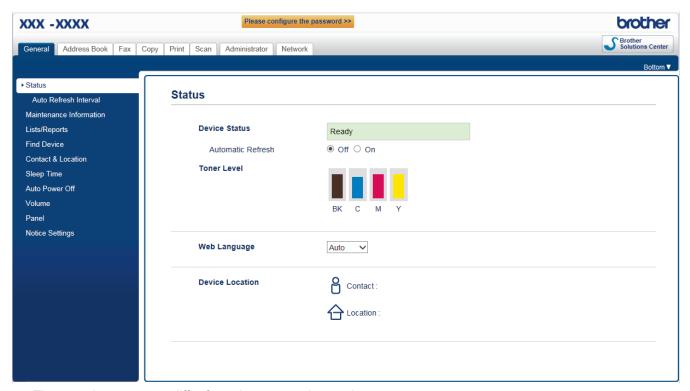
▲ Home > Machine Settings > Change Machine Settings from Your Computer > Change Machine Settings Using Web Based Management > What is Web Based Management?

What is Web Based Management?

Web Based Management is a utility that uses a standard web browser to manage your machine using the Hyper Text Transfer Protocol (HTTP) or Hyper Text Transfer Protocol over Secure Socket Layer (HTTPS). Type your machine's IP address into your web browser to access and change your print server settings.



- We recommend Microsoft Internet Explorer 11 for Windows and Safari 9 for Mac. Make sure that JavaScript and Cookies are always enabled in whichever browser you use.
- You must use the TCP/IP protocol on your network and have a valid IP address programmed into the print server and your computer.



• The actual screen may differ from the screen shown above.

Related Information

· Change Machine Settings Using Web Based Management

▲ Home > Machine Settings > Change Machine Settings from Your Computer > Change Machine Settings Using Web Based Management > Access Web Based Management

Access Web Based Management

- We recommend using the HTTPS security protocol when configuring settings using Web Based Management.
- When you use HTTPS for Web Based Management configuration, your browser will display a warning dialog box.
- 1. Start your web browser.
- 2. Type "http://machine's IP address" in your browser's address bar (where "machine's IP address" is the machine's IP address).

For example:

http://192.168.1.2



- If you are using a Domain Name System or enable a NetBIOS name, you can type another name, such as "SharedPrinter" instead of the IP address.
 - For example:

http://SharedPrinter

If you enable a NetBIOS name, you can also use the node name.

For example:

http://brnxxxxxxxxxxxx

The NetBIOS name can be found in the Network Configuration Report.

- For Mac, access Web Based Management by clicking the machine's icon on the Status Monitor screen.
- 3. No password is required by default. Type a password if you have set one, and then click



You can now change the print server settings.

If you change the protocol settings, you must restart the machine after clicking **Submit** to activate the configuration.

√

Related Information

- · Change Machine Settings Using Web Based Management
- · Print the Network Configuration Report

▲ Home > Machine Settings > Change Machine Settings from Your Computer > Change Machine Settings Using Web Based Management > Set a Login Password for Web Based Management

Set a Login Password for Web Based Management

We recommend setting a login password to prevent unauthorised access to Web Based Management.

- 1. Start your web browser.
- 2. Type "http://machine's IP address" in your browser's address bar (where "machine's IP address" is the machine's IP address).

For example:

http://192.168.1.2



- If you are using a Domain Name System or enable a NetBIOS name, you can type another name, such as "SharedPrinter" instead of the IP address.
 - For example:

http://SharedPrinter

If you enable a NetBIOS name, you can also use the node name.

For example:

http://brnxxxxxxxxxxxx

The NetBIOS name can be found in the Network Configuration Report.

- For Mac, access Web Based Management by clicking the machine's icon on the Status Monitor screen.
- 3. No password is required by default. Type a password if you have set one, and then click



- 4. Click Administrator.
- 5. Type the password you want to use in the **Enter New Password** field (8 to 32 characters).
- 6. Retype the password in the **Confirm New Password** field.
- 7. Click Submit.

In the future, every time you access Web Based Management, type the password in the **Login** field, and then click —.

After configuring the settings, log off by clicking





If you have not previously set a login password, you can also set a password by clicking the **Please configure the password** button on the machine's web page.



Related Information

Change Machine Settings Using Web Based Management

■ Home > Machine Settings > Change Machine Settings from Your Computer > Change the Machine Settings Using Remote Setup

Change the Machine Settings Using Remote Setup

The Remote Setup program lets you configure many of your Brother machine's settings from your computer. When you start Remote Setup, the settings on your Brother machine will be downloaded to your computer and displayed on your screen. If you change the settings on your computer, you can upload them directly to the machine.

- Remote Setup (Windows)
- Remote Setup (Mac)

▲ Home > Machine Settings > Change Machine Settings from Your Computer > Change the Machine Settings Using Remote Setup > Remote Setup (Windows)

Remote Setup (Windows)

- Set Up the Brother Machine from Your Computer (Windows)
- Set Up the Brother Machine Using ControlCenter4 (Windows)
- Set Up Your Machine's Address Book Using ControlCenter4 (Windows)

▲ Home > Machine Settings > Change Machine Settings from Your Computer > Change the Machine Settings Using Remote Setup > Remote Setup (Windows) > Set Up the Brother Machine from Your Computer (Windows)

Set Up the Brother Machine from Your Computer (Windows)



If Secure Function Lock is set to On, you cannot use Remote Setup.

- 1. Do one of the following:
 - · Windows 7

Click (Start) > All Programs > Brother > Brother Utilities.

Click the drop-down list and select your model name (if not already selected). Click **Tools** in the left navigation bar, and then click **Remote Setup**.

· Windows 8 and Windows 10

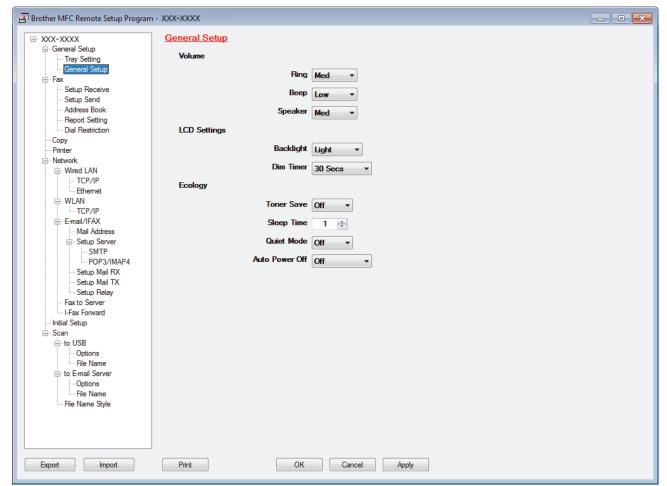
Launch (Brother Utilities), and then click the drop-down list and select your model name (if not already selected). Click **Tools** in the left navigation bar, and then click **Remote Setup**.

The Remote Setup Program window appears.



When your machine is connected via a Network, type the password if required.

2. Configure the settings as needed.



Export

Click to save the current configuration settings to a file.



Click **Export** to save your address book or all settings for your machine.

Import

Click to import a file and read its settings.

Print

Click to print the selected items on the machine. You cannot print the data until it is uploaded to the machine. Click **Apply** to upload the new data to the machine, and then click **Print**.

OK

Click to start uploading data to the machine, and then exit the Remote Setup Program. If an error message appears, confirm that your data is correct, and then click **OK**.

Cancel

Click to exit the Remote Setup Program without uploading data to the machine.

Apply

Click to upload data to the machine without exiting the Remote Setup Program.

- 3. Click OK.
- If your computer is protected by a firewall and is unable to use Remote Setup, you may need to configure the firewall settings to allow communication through port numbers 137 and 161.
- If you are using Windows Firewall and you installed the Brother software and drivers from the installation disc, the necessary firewall settings have already been set.

4

Related Information

• Remote Setup (Windows)

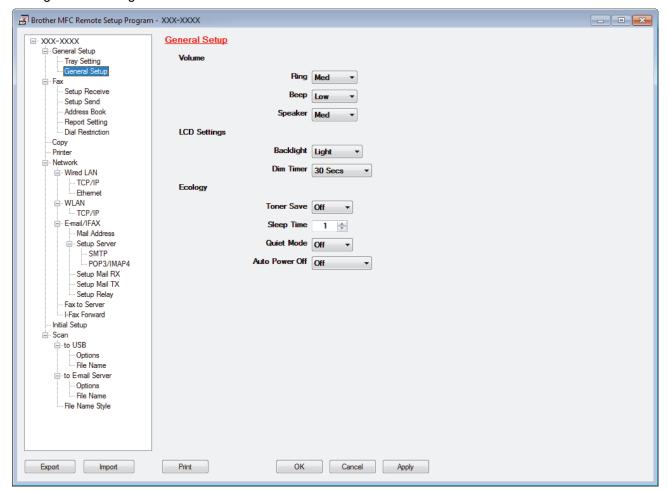
▲ Home > Machine Settings > Change Machine Settings from Your Computer > Change the Machine Settings Using Remote Setup > Remote Setup (Windows) > Set Up the Brother Machine Using ControlCenter4 (Windows)

Set Up the Brother Machine Using ControlCenter4 (Windows)



If Secure Function Lock is set to On, you cannot use Remote Setup.

- 1. Click the <a>(ControlCenter4) icon in the task tray, and then click Open.
- 2. Click the Device Settings tab.
- 3. Click the Remote Setup button.
- 4. Configure the settings as needed.



Export

Click to save the current configuration settings to a file.



Click **Export** to save your address book or all settings for your machine.

Import

Click to import a file and read its settings.

Print

Click to print the selected items on the machine. You cannot print the data until it is uploaded to the machine. Click **Apply** to upload the new data to the machine, and then click **Print**.

OK

Click to start uploading data to the machine, and then exit the Remote Setup Program. If an error message appears, confirm that your data is correct, and then click **OK**.

Cancel

Click to exit the Remote Setup Program without uploading data to the machine.

Apply

Click to upload data to the machine without exiting the Remote Setup Program.

5. Click OK.

- If your computer is protected by a firewall and is unable to use Remote Setup, you may need to configure the firewall settings to allow communication through port numbers 137 and 161.
- If you are using Windows Firewall and you installed the Brother software and drivers from the installation disc, the necessary firewall settings have already been set.

V

Related Information

- ControlCenter4 (Windows)
- Remote Setup (Windows)

▲ Home > Machine Settings > Change Machine Settings from Your Computer > Change the Machine Settings Using Remote Setup > Remote Setup (Windows) > Set Up Your Machine's Address Book Using ControlCenter4 (Windows)

Set Up Your Machine's Address Book Using ControlCenter4 (Windows)

Use Remote Setup through CC4 to add or change Address Book numbers on your computer.



If Secure Function Lock is set to On, you cannot use Remote Setup.

- 1. Click the << (ControlCenter4) icon in the task tray, and then click Open.
- 2. Click the **Device Settings** tab.
- Click the Address Book button.
 The Address Book opens in a Remote Setup window.
- 4. Add or update the Address Book information as needed.
- 5. Click OK.

✓

Related Information

• Remote Setup (Windows)

▲ Home > Machine Settings > Change Machine Settings from Your Computer > Change the Machine Settings Using Remote Setup > Remote Setup (Mac)

Remote Setup (Mac)

- Set Up the Brother Machine Using ControlCenter2 (Mac)
- Set Up Your Machine's Address Book Using ControlCenter2 (Mac)

▲ Home > Machine Settings > Change Machine Settings from Your Computer > Change the Machine Settings Using Remote Setup > Remote Setup (Mac) > Set Up the Brother Machine Using ControlCenter2 (Mac)

Set Up the Brother Machine Using ControlCenter2 (Mac)



If Secure Function Lock is set to On, you cannot use Remote Setup.

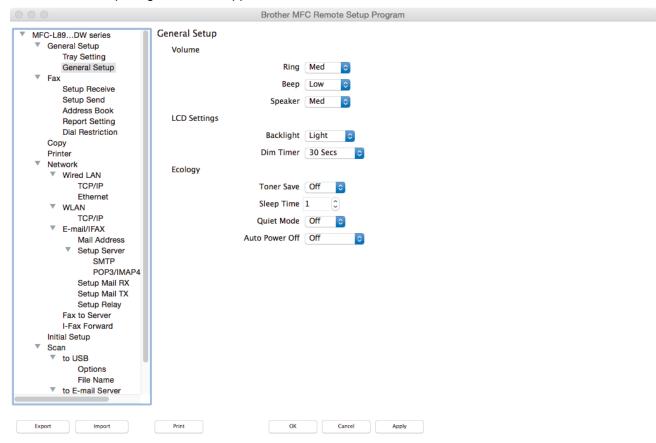
1. In the Finder menu bar, click Go > Applications > Brother, and then double-click the (ControlCenter) icon.



The ControlCenter2 screen appears.

- 2. Click the **DEVICE SETTINGS** tab.
- 3. Click the **Remote Setup** button.

The Remote Setup Program screen appears.



4. Configure the settings as needed.

Export

Click to save the current configuration settings to a file.



Click Export to save your address book or all settings for your machine.

Import

Click to import a file and read its settings.

Print

Click to print the selected items on the machine. You cannot print the data until it is uploaded to the machine. Click Apply to upload the new data to the machine, and then click Print.

OK

Click to start uploading data to the machine, and then exit the Remote Setup Program. If an error message appears, enter the correct data again, and then click **OK**.

Cancel

Click to exit the Remote Setup Program without uploading data to the machine.

Apply

Click to upload data to the machine without exiting the Remote Setup Program.

5. When finished, click **OK**.

V

Related Information

- ControlCenter2 (Mac)
- Remote Setup (Mac)

▲ Home > Machine Settings > Change Machine Settings from Your Computer > Change the Machine Settings Using Remote Setup > Remote Setup (Mac) > Set Up Your Machine's Address Book Using ControlCenter2 (Mac)

Set Up Your Machine's Address Book Using ControlCenter2 (Mac)

Use Remote Setup through ControlCenter2 to add or change Address Book numbers on your computer.



If Secure Function Lock is set to On, you cannot use Remote Setup.

1. In the Finder menu bar, click Go > Applications > Brother, and then double-click the (ControlCenter) icon.



The ControlCenter2 screen appears.

- 2. Click the **DEVICE SETTINGS** tab.
- 3. Click the Address Book button.

The Address Book opens in a Remote Setup window.

- 4. Add or update the Address Book information as needed.
- 5. When finished, click OK.

Related Information

· Remote Setup (Mac)

▲ Home > Appendix

Appendix

- Specifications
- How to Enter Text on Your Brother Machine
- Supplies
- Important Information About Toner Cartridge Life
- Accessories
- Brother Numbers

Specifications

General Specifications

Printer Type			Laser
Print Method		•	Electrophotographic Laser Printer
Memory Capacity	Standard	•	(MFC-L8900CDW) 512 MB
LCD (Liquid Crystal D	isplay)	•	5.0 in. (118.5 mm) TFT Colour touchscreen LCD ¹
Power Source		•	220 to 240 V AC 50/60 Hz
Power Consumption	Peak	•	Approximately 1,230 W
(Average)	Printing ²	•	Approximately 570 W at 25 °C
	Printing (Quiet Mode) ²	•	Approximately 330 W at 25 °C
	Copying ²	•	Approximately 560 W at 25 °C
	Copying (Quiet Mode) ²	•	Approximately 340 W at 25 °C
	Ready ²	•	Approximately 75 W
	Sleep ²	•	Approximately 9.5 W
	Deep Sleep ²	•	Approximately 1.8 W
	Power Off ^{2 3 4}	•	Approximately 0.04 W
Dimensions (Typical outline view)	**	Ur•	nit: mm *: 495 **: 549 ***: 526
Weights (with supplie	s)	•	28.7 kg

	1	1	
Noise Level	Sound Pressure	Printing	• LpAm = 49 dB (A)
		Printing	• LpAm = 44 dB (A)
		(Quiet Mode)	
		Ready	LpAm = Inaudible
	Sound Power	Printing	Monochrome
			• LWAd = 6.55 B (A)
			Colour
			• LWAd = 6.56 B (A)
		Printing	Monochrome
		(Quiet Mode)	• LWAd = 6.00 B (A)
			Colour
			• LWAd = 6.00 B (A)
		Ready	LWAd = Inaudible
Temperature	Operating		• 10 to 32 °C ⁵
	Storage		• 0 to 40 °C
Humidity	Operating		20 to 80% (without condensation)
	Storage		10 to 90% (without condensation)
ADF (automatic doc	ADF (automatic document feeder)		Up to 70 sheets
			For best results we recommend:
			Temperature: 20 to 30 °C
			Humidity: 50 to 70%
			Paper: 80 g/m ²

- 1 Measured diagonally
- 2 USB connections to computer
- Measured according to IEC 62301 Edition 2.0.
- 4 Power consumption varies slightly depending on the usage environment.
- ⁵ To ensure the high print quality, the maximum ambient temperature we recommend is 32 °C. The maximum ambient temperature to safely use this machine is 35 °C.

Document Size Specification

Document Size	ADF Width		105 to 215.9 mm
	ADF Length	•	147.3 to 355.6 mm
	Scanner Glass Width		Maximum 215.9 mm
	Scanner Glass Length	•	Maximum 355.6 mm

Print Media Specifications

Paper Input	Paper Tray (Standard)	Paper Type	•	Plain Paper, Letterhead, Coloured Paper, Thin Paper, Recycled Paper
		Paper Size	•	A4, Letter, B5 (JIS), A5, A5(Long Edge), A6, Executive, Legal, Folio, Mexico Legal, 16K(195x270mm)
		Paper Weight	•	60 to 105 g/m ²
		Maximum Paper Capacity	•	Up to 250 sheets of 80 g/m ² Plain Paper
	Multi-Purpose Tray (MP tray)	Paper Type	•	Plain Paper, Letterhead, Coloured Paper, Thin Paper, Thick Paper, Thicker Paper, Recycled

Paper Input	Multi-Purpose Tray (MP tray)		Paper, Bond, Label, Envelope, Env. Thin, Env.Thick, Glossy Paper
		Paper Size	 Width: 76.2 to 215.9 mm Length: 127 to 355.6 mm Envelope:
		Paper Weight	COM-10, DL, C5, Monarch • 60 to 163 g/m ²
		Maximum Paper Capacity	 Up to 50 sheets of 80 g/m² Plain Paper Envelope: 10 envelopes up to 10 mm thick
	Paper Tray 2, 3, 4 (Optional) ¹	Paper Type	Plain Paper, Letterhead, Coloured Paper, Thin Paper, Recycled Paper
	(CP actual)	Paper Size	A4, Letter, B5 (JIS), A5, Executive, Legal, Folio, Mexico Legal, 16K(195x270mm)
		Paper Weight	• 60 to 105 g/m ²
		Maximum Paper Capacity	 LT-330CL Up to 250 sheets of 80 g/m² Plain Paper LT-340CL Up to 500 sheets of 80 g/m² Plain Paper
Paper Output ²	Face Down Output Tray	1	Up to 150 Sheets of 80 g/m² Plain Paper (face down delivery to the face down output paper tray)
2-sided	Face Up Output Tray		One sheet (face up delivery to the face up output tray)
	Automatic 2-sided Printing	Paper Type	Plain Paper, Letterhead, Coloured Paper, Thin Paper, Recycled Paper, Glossy Paper
		Paper Size	• A4
		Paper Weight	• 60 to 105 g/m ²

¹ Maximum number of Lower Trays: Up to three LT-330CL Lower Trays or up to two Lower Trays in any other combinations

Fax Specifications

Compatibility		•	ITU-T Super Group 3
Coding System			MH / MR / MMR / JBIG
Modem Speed	d	•	33,600 bps (with Automatic Fallback)
2-sided Print	Receiving	•	Yes
Automatic 2-s	sided Sending	•	Yes (from ADF)
Scanning Wid	Scanning Width		Maximum 208 mm
Printing Widtl	Printing Width		Maximum 208 mm
Greyscale		•	8 bit / 256 levels
Resolution	Horizontal	•	203 dpi
	Vertical		Standard: 98 dpi
		•	Fine: 196 dpi
		•	Photo: 196 dpi
Address Bool	k	•	300 Locations

² For labels, we recommend removing the printed sheets from the output paper tray immediately after they exit the machine to avoid the possibility of smudging.

Groups	• Up to 20
Broadcasting	350 Locations
Automatic Redial	3 times at 5 minutes intervals
Memory Transmission	• Up to 500 pages ¹
Out of Paper Reception	Up to 500 pages ¹

^{1 &#}x27;Pages' refers to the 'ITU-T Test Chart #1' (a typical business letter, Standard resolution, JBIG code).

Copy Specification

Copy Width	Maximum 210 mm		
Automatic 2-sided Copy	Yes (from ADF)		
Sort Copy	• Yes		
Stack Copy	Up to 999 pages		
Enlarge/Reduce	• 25 to 400% (in increments of 1%)		
Resolution	Maximum 1200 x 600 dpi		
First Copy Out Time 1	Monochrome		
	Less than 16 seconds at 23 °C / 230 V		
	Colour		
	Less than 17 seconds at 23 °C / 230 V		

¹ From Ready Mode and standard tray

Scanner Specifications

Colour / Black	Yes / Yes
TWAIN Compliant	 Yes (Windows 7 / Windows 8 / Windows 8.1 / Windows 10) (macOS v10.10.5, v10.11.x, v10.12)
WIA Compliant	Yes (Windows 7 / Windows 8 / Windows 8.1 / Windows 10)
ICA Compliant	Yes (macOS v10.10.5, v10.11.x, v10.12)
Colour Depth	48 bit colour Processing (Input)24 bit colour Processing (Output)
Grey Scale	16 bit colour Processing (Input)8 bit colour Processing (Output)
Resolution ¹	 Up to 19200 x 19200 dpi (interpolated) Up to 1200 x 2400 dpi (from Scanner Glass) Up to 1200 x 600 dpi (from ADF)
Scanning Width	Maximum 210 mm
Automatic 2-sided Scanning	Yes (from ADF)

¹ Maximum 1200 × 1200 dpi scanning with the WIA driver in Windows 7, Windows 8, Windows 8.1 and Windows 10 (resolution up to 19200 × 19200 dpi can be selected by using the scanner utility)

Printer Specifications

Automatic 2-sic	led Print	• Yes		
Emulation		PCL6, BR-Script3, PDF Version 1.7, XPS Version 1.0		
Resolution		• 600 x 600 dpi		
Print Speed 1 2 1-sided print		Monochrome		
		Up to 33 pages/minute (Letter size)		
		Up to 31 pages/minute (A4 size)		
		Colour		
		Up to 33 pages/minute (Letter size)		
		Up to 31 pages/minute (A4 size)		
2-sided Print		Monochrome		
		• Up to 14 sides/minute (Up to 7 sheets/minute) (Letter or A4 size)		
		Colour		
		Up to 14 sides/minute (Up to 7 sheets/minute) (Letter or A4 size)		
First Print Time 3		Monochrome		
		Less than 15 seconds at 23 °C / 230 V		
		Colour		
		Less than 15 seconds at 23 °C / 230 V		

- 1 The print speed may change depending on the type of document you print.
- ² Print speed may be slower when the machine is connected by wireless LAN.
- 3 From Ready mode and standard tray

Interface Specifications

USB ^{1 2}	•	Hi-Speed USB 2.0 Use a USB 2.0 interface cable that is no more than 2.0 metres long.	
LAN	•	10Base-T/100Base-TX/1000Base-T ^{3 4}	
Wireless LAN	•	IEEE 802.11b/g/n (Infrastructure Mode)	
		IEEE 802.11g/n (Wi-Fi Direct®)	
NFC ⁵	•	Yes	

- 1 Your machine has a USB 2.0 Hi-Speed interface. The machine can also be connected to a computer that has a USB 1.1 interface.
- ² Third party USB ports are not supported.
- 3 Use a straight-through Category 5e (or greater) twisted-pair cable.
- 4 When you connect the machine to a Gigabit Ethernet Network, use network devices complying with the 1000BASE-T specification.
- 5 When you connect an external IC card reader, use a HID class driver supported device.

Direct Print Feature Specifications

Compatibility	 PDF version1.7, JPEG, Exif+JPEG, PRN (created by own printer driver), TIFF (scanned by Brother models), XPS version 1.0
Interface	USB direct interface : Front x 1

Supported Protocols and Security Features

Ethernet

10Base-T/100Base-TX/1000Base-T

Wireless LAN

IEEE 802.11b/g/n (Infrastructure Mode), IEEE 802.11g/n (Wi-Fi Direct)

Protocols (IPv4)

ARP, RARP, BOOTP, DHCP, APIPA(Auto IP), WINS/NetBIOS name resolution, DNS Resolver, mDNS, LLMNR responder, LPR/LPD, Custom Raw Port/Port9100, POP3, SMTP Client, IPP/IPPS, FTP Client and Server, CIFS Client, TELNET Server, SNMPv1/v2c/v3, HTTP/HTTPS server, TFTP client and server, ICMP, Web Services (Print/Scan), SNTP Client, LDAP, IMAP4

Protocols (IPv6)

NDP, RA, DNS resolver, mDNS, LLMNR responder, LPR/LPD, Custom Raw Port/Port9100, IPP/IPPS, POP3, SMTP Client, FTP Client and Server, CIFS Client, TELNET Server, SNMPv1/v2c/v3, HTTP/HTTPS server, TFTP client and server, ICMPv6, SNTP Client, LDAP, Web Services (Print/Scan), IMAP4

Network Security (Wired)

APOP, SMTP-AUTH, SSL/TLS (IPPS, HTTPS, SMTP, POP3, IMAP4), SNMP v3 802.1x (EAP-MD5, EAP-FAST, PEAP, EAP-TLS, EAP-TTLS), Kerberos, IPSec

Network Security (Wireless)

APOP, SMTP-AUTH, SSL/TLS (IPPS, HTTPS, SMTP, POP3, IMAP4), SNMP v3, 802.1x (LEAP, EAP-FAST, PEAP, EAP-TLS, EAP-TLS), Kerberos, IPSec

Wireless Network Security

WEP 64/128 bit, WPA-PSK (TKIP/AES), WPA2-PSK (TKIP/AES) 1

Wireless Certification

Wi-Fi Certification Mark License (WPA[™]/WPA2[™] - Enterprise, Personal), Wi-Fi Protected Setup (WPS) Identifier Mark License, Wi-Fi CERTIFIED[™] Wi-Fi Direct

Computer Requirements Specifications

Supported Operating Systems And Software Functions

Computer Platform & Operating System Version		PC Interface			Processor	For	Hard Disk	
		Parallel (IEEE128 4)	USB ¹	10Base- T/ 100Base- TX/ 1000Base -T (Ethernet)	Wireless 802.11b/g /n		Drivers	Space to Install
Windows Operating	Windows 7 / 8 / 8.1 ^{2 3}	N/A	Printing PC Fax ⁴			32 bit (x86) or 64 bit	650 MB	1.2 GB
System	Windows 10 Home / 10 Pro / 10 Education / 10 Enterprise ^{2 3}		Scanning			(x64) processor		
	Windows Server 2008		N/A	Printing			50 MB	N/A
	Windows Server 2008 R2					64 bit (x64) processor		
	Windows Server 2012							
	Windows Server 2012 R2							
	Windows Server 2016							

¹ Wi-Fi Direct supports WPA2-PSK (AES) only.

Mac	macOS v10.10.5	Printing	Intel®	80 MB	400 MB
Operating System	macOS v10.11.x	PC-Fax (Send) ⁴	Processor		
	macOS v10.12	Scanning			

- 1 Third party USB ports are not supported.
- 2 $\,$ For WIA, 1200x1200 resolution. Brother Scanner Utility enables resolutions up to 19200 x 19200 dpi.
- 3 $\;$ PaperPort $^{\text{\tiny TM}}$ 14SE supports Windows 7, Windows 8, Windows 8.1 and Windows 10.
- 4 PC-Fax supports black and white only.

For the latest driver updates, go to your model's **Downloads** page on the Brother Solutions Center at support.brother.com.

All trademarks, brand and product names are the property of their respective companies.



Related Information

• Appendix

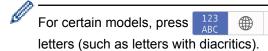
▲ Home > Appendix > How to Enter Text on Your Brother Machine

How to Enter Text on Your Brother Machine

- When you must enter text on your Brother machine, a keyboard appears on the LCD.
- · The characters that are available may differ depending on your country.
- The keyboard layout may differ depending on the operation you perform.



Press A 1 @ to cycle between letters, numbers and special characters.



to select letters, numbers, special characters and additional

- Press ☐ ☐ aA to cycle between lowercase and uppercase letters.
- To move the cursor to the left or right, press ◀ or ▶.

Inserting spaces

• To enter a space, press [Space] or ▶.

Making corrections

- If you entered a character incorrectly and want to change it, press ◀ or ▶ to move the cursor to the incorrect character, and then press ✓. Enter the correct character.
- To insert a character, press ◀ or ▶ to move the cursor to the correct place, and then enter the character.
- Press for each character you want to erase, or press and hold to erase all the characters.

Entering Chinese characters

• You can use Chinese characters for some of the text input to your machine. Simplified Chinese can be converted from Pinyin entry.

If [Convert] appears on the touchscreen, conversion of Pinyin to Chinese characters is available. For example, if you want to enter " [Good 公司] ", follow the procedures:

- 1. Press $[G, \circ, \circ, d,]$ and then press [OK].
- 2. Press [g,o,n,g,s,i,] and then press [Convert].

Some candidate Chinese characters and phrases will appear on the touchscreen.

- 3. Swipe up or down, or press ▲ or ▼ to display "[公司]".
- 4. Press "[公司]".
- 5. Press [OK] to complete.

Related Information

- Appendix
- Configure Your Machine for a Wireless Network Using the Machine's Control Panel Setup Wizard
- Configure Your Machine for a Wireless Network When the SSID Is Not Broadcast
- · Set Your Station ID

Supplies

When the time comes to replace supplies, such as the toner or drum, an error message will appear on your machine's control panel or in the Status Monitor. For more information about the supplies for your machine, visit www.brother.com/original/index.html or contact your local Brother dealer.



The supply model name will vary depending on your country and region.

Supply Items	Supply Model Name	Approximate Life (Page Yield)	Applicable Models
Toner Cartridge	Standard Toner: Black: TN-471BK Cyan: TN-471C Magenta: TN-471M Yellow: TN-471Y	Black: Approximately 3,000 pages ^{1 2} Cyan / Magenta / Yellow: Approximately 1,800 pages ^{1 2}	MFC-L8900CDW
	Super High Yield Toner: • Black: TN-476BK • Cyan: TN-476C • Magenta: TN-476M • Yellow: TN-476Y	 Black: Approximately 6,500 pages ^{1 2} Cyan / Magenta / Yellow: Approximately 6,500 pages ^{1 2} 	MFC-L8900CDW
	Inbox Toner: (Supplied with your machine)	Black: Approximately 3,000 pages ^{1 2} Cyan / Magenta / Yellow: Approximately 1,800 pages ^{1 2}	MFC-L8900CDW
Drum Unit	• DR-471CL	Approximately 30,000 pages ³	MFC-L8900CDW
Belt Unit	• BU-330CL	Approximately 50,000 pages ⁴	MFC-L8900CDW
Waste Toner Box	• WT-320CL	Approximately 50,000 pages ²	MFC-L8900CDW

- 1 Approximate cartridge yield is declared in accordance with ISO/IEC 19798.
- ² A4 or Letter size 1-sided pages
- 3 Approximately 30,000 pages based on 1 page per job and 50,000 pages based on 3 pages per job [A4/Letter simplex pages]. The number of pages may be affected due to a variety of factors including but not limited to media type and media size.
- 4 Approximately 50,000 pages based on 1 page per job and 130,000 pages based on 3 pages per job [A4/Letter simplex pages]. The number of pages may be affected due to a variety of factors including but not limited to media type and media size.



Related Information

- Appendix
- · Replace Supplies

▲ Home > Appendix > Important Information About Toner Cartridge Life

Important Information About Toner Cartridge Life

Toner Cartridge Life

This product detects the life of the toner cartridges using the following two methods:

- Detection by counting the dots of each colour that are necessary to create an image
- Detection by counting the rotations of the developer roller

This product has a function that will count the dots of each colour used to print every document and the rotations of each toner cartridge's developer roller. The print operation will stop when either of the upper limits is reached. The upper limit is set above the number of dots or rotations that would be required for the cartridge to perform consistently with its advertised page yield. This function is intended to reduce the risk of poor print quality and damage to the machine.

There are two messages that indicate when the toner is low or needs replacing: Toner Low and Replace Toner.

Toner Low is displayed on the LCD when the number of dots or rotations of the developer roller nears its maximum count: Replace Toner is displayed on the LCD when the number of dots or rotations of the developer roller reaches its maximum count.

Colour Correction

The number of developer roller rotations that are counted may not only be for normal operations, such as printing and copying, but also for machine adjustments, such as Colour Calibration and Colour Registration.

Colour Calibration (Adjustment of Colour Density)

To obtain stable print quality, the density of each toner cartridge needs to be maintained at a fixed value. If the density balance between the colours cannot be kept, the tint becomes unstable, and accurate colour reproduction becomes unavailable. The toner density can change due to chemical changes to the toner that affect its electrical charge, deterioration of the developer unit, and temperature and humidity levels in the machine. During calibration, the density level adjustment test patterns are printed on the belt unit.

Calibration is mainly performed at the following times:

- When the user manually selects calibration from the operation panel or the printer driver.
 (Please perform calibration if colour density needs to be improved.)
- When a used toner cartridge is replaced with a new one.
- · When the machine detects that the ambient temperature and humidity have changed.
- · When a specified number of printed pages is reached.

Colour Registration (Correction of Colour Position)

In this machine, the drum unit and developer unit are prepared for black (K), yellow (Y), magenta (M), and cyan (C), respectively. Four colour images are combined into one image, and therefore colour registration errors (for example, how the four colour images align) might occur. When registration errors occur, registration correction test patterns are printed on the belt unit.

Registration is mainly performed at the following times:

- When the user manually selects registration from the operation panel.
 (Please perform registration if a colour registration error needs to be corrected.)
- When a specified number of printed pages is reached.

4

Related Information

Appendix

▲ Home > Appendix > Accessories

Accessories

Availability of accessories may vary depending on your country or region. For more information about the accessories for your machine, visit www.brother.com/original/index.html or contact your Brother dealer or Brother customer service.

Model name	Items	Applicable Models
LT-330CL	Lower Tray (250 sheets)	MFC-L8900CDW ¹
LT-340CL	Lower Tray (500 sheets)	• MFC-L8900CDW ¹

¹ Maximum number of Lower Trays: Up to three LT-330CL Lower Trays or up to two Lower Trays in any other combinations



Related Information

• Appendix

▲ Home > Appendix > Brother Numbers

Brother Numbers

IMPORTANT

For technical and operational assistance, call the call center in mainland China.

To seach Frequently asked questions (FAQs)/ASCs/Driver/Manuals, etc, please visit our service website:

support.brother.com

To search where to purchase consumables, please visit the official website of BROTHER (CHINA) LTD.:

www.brother.cn

Related Information

Appendix



Visit us on the World Wide Web www.brother.com

This machine is approved for use in the country of purchase only. Local Brother companies or their dealers will support only machines purchased in their own countries.

