

Online User's Guide

HL-L5210DN

HL-L5210DW

HL-L5215DN

HL-L6210DW

HL-L6410DN

HL-L6415DN

Table of Contents

Before You Use Your Machine	1
Definitions of Notes	2
Trademarks	3
Open Source Licensing	4
Copyright and License	5
Important Notes	6
Introduction to Your Machine	7
Before Using Your Machine	8
Front View and Back View	9
Control Panel Overview	12
How to Navigate the Touchscreen LCD	17
How to Enter Text on Your Machine	18
Access Brother Utilities (Windows)	20
Uninstall the Software and Drivers (Windows)	22
Input/Output Port Locations on Your Machine	23
Improve Machine Ventilation	24
Paper Handling	25
Load Paper	26
Load and Print Using the Paper Tray	
Load and Print Using the Multi-purpose Tray (MP Tray)	35
Paper Settings	
Change the Paper Size and Paper Type	44
Change the Check Paper Setting	45
Unprintable Area	46
Recommended Print Media	47
Using Special Paper	48
Print	49
Print from Your Computer (Windows)	
Print a Document (Windows)	
Print Settings (Windows)	
Secure Print (Windows)	
Change the Default Print Settings (Windows)	60
Print a Document Using the BR-Script3 Printer Driver (PostScript [®] 3 [™] Language Emulation) (Windows)	62
Monitor the Status of the Machine from Your Computer (Windows)	
Print from Your Computer (Mac)	
Print Using AirPrint	
Print an Email Attachment	66
Secure Print Using a USB Flash Drive	67
Print Duplicate Copies	69
Change Print Settings Using the Control Panel	71
Cancel a Print Job	72
Test Print	73
Universal Print	74
Universal Print Overview	75

■ Home > Table of Contents

Register Your Machine with Universal Print Using Web Based Management	76
Assign Universal Print Users via Microsoft Azure Portal	
Add a Universal Print-enabled Printer to Your Computer	78
Print Using Universal Print	
Deregister Your Machine from Universal Print	
Network	81
Supported Basic Network Features	
Configure Network Settings	
Configure Network Details Using the Control Panel	
Wireless Network Settings	
Use the Wireless Network	86
Use Wi-Fi Direct®	103
Enable/Disable Wireless LAN	
Print the WLAN Report	109
Network Features	
Enable/Disable Web Based Management Using the Control Panel	114
Configure the Proxy Server Settings Using Web Based Management	
Print the Network Configuration Report	
Synchronise Time with the SNTP Server Using Web Based Management	
Gigabit Ethernet (Wired Network Only)	
Reset the Network Settings to the Factory Settings	122
Security	123
Before Using Network Security Features	124
Disable Unnecessary Protocols	
Configure Certificates for Device Security	
Supported Security Certificate Features	127
Step by Step Guide for Creating and Installing a Certificate	128
Create a Self-signed Certificate	129
Create CSR and Install a Certificate from a Certificate Authority (CA)	130
Import and Export the Certificate and Private Key	134
Import and Export a CA Certificate	137
Manage Multiple Certificates	140
Use SSL/TLS	141
Introduction to SSL/TLS	142
Manage Your Network Machine Securely Using SSL/TLS	145
Print Documents Securely Using SSL/TLS	149
Use SNMPv3	151
Manage Your Network Machine Securely Using SNMPv3	152
Use IPsec	153
Introduction to IPsec	154
Configure IPsec Using Web Based Management	155
Configure an IPsec Address Template Using Web Based Management	156
Configure an IPsec Template Using Web Based Management	158
Use IEEE 802.1x Authentication for a Wired or a Wireless Network	167
What Is IEEE 802.1x Authentication?	168
Configure IEEE 802.1x Authentication for a Wired or Wireless Network Using Web Based Management (Web Browser)	169

■ Home > Table of Contents

	IEEE 802.1x Authentication Methods	171
	Use Active Directory Authentication	172
	Introduction to Active Directory Authentication	173
	Configure Active Directory Authentication Using Web Based Management	174
	Log On to Change the Machine Settings Using the Machine's Control Panel (Active Directory Authentication)	175
	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)	
	Use Secure Function Lock 3.0	
	Before Using Secure Function Lock 3.0	
	Configure Secure Function Lock 3.0 Using Web Based Management	
	Configure Public Mode for Secure Function Lock 3.0	
	Additional Secure Function Lock 3.0 Features	184
	Register a new ID Card Using the Machine's Control Panel	185
	Send an Email Securely	186
	Configure Email Sending Using Web Based Management	187
	Send an Email with User Authentication	188
	Send an Email Securely Using SSL/TLS	189
	Store Print Log to Network	190
	Store Print Log to Network Overview	191
	Configure the Store Print Log to Network Settings Using Web Based Management	192
	Use the Store Print Log to Network's Error Detection Setting	
	Lock the Machine Settings from the Control Panel	
	Setting Lock Overview	
	Use Global Network Detection Features	
	Enable Global IP Address Detection	
	Block Communications from the Global Network	202
Ad	lministrator	203
	Network Features	204
	Security Features	205
	Network Security	206
	User Authentication	208
	Brother Management Tools	209
Mo	bile/Web Connect	210
	Brother Web Connect	211
	Brother Web Connect Overview	212
	Online Services Used with Brother Web Connect	214
	Set Up Brother Web Connect	216
	Download and Print Documents Using Brother Web Connect	224
	AirPrint	
	AirPrint Overview	
	Before Using AirPrint (macOS)	
	Print Using AirPrint	
	Mopria [™] Print Service	232

Clear Paper Jams......249 Paper is Jammed in the Paper Tray251 Network Problems 270 Settings and Features Tables 329

Access Web Based Management	354
Set or Change a Login Password for Web Based Management	356
Appendix	357
Specifications	358
Supplies	364
Environmental and Compliance Information	366
Information Regarding Recycled Paper	367
Availability of Service Parts	368
Chemical Substances (EU REACH)	369
Accessories	
The Mailbox Unit	371
Brother Help and Customer Support	377

Before You Use Your Machine

- Definitions of Notes
- Trademarks
- Open Source Licensing
- Copyright and License
- Important Notes

▲ Home > Before You Use Your 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.
<u> </u>	Fire Hazard icons alert you to the possibility of a fire.
	Hot Surface icons warn you not to touch hot machine parts.
0	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 Machine

Home > Before You Use Your Machine > Trademarks

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Related Information

· Before You Use Your Machine

▲ Home > Before You Use Your Machine > Open Source Licensing

Open Source Licensing

This product includes open source software.

To view Open Source Licensing Remarks and Copyright Information, go to your model's **Manuals** page at support.brother.com/manuals.

4

Related Information

· Before You Use Your Machine

■ Home > Before You Use Your Machine > Copyright and License

Copyright and License

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This product includes software developed by the following vendors:

This product includes the "KASAGO TCP/IP" software developed by ZUKEN ELMIC, Inc.

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FlashFX® Copyright 1998-2020 Datalight, Inc.

U.S.Patent Office 5,860,082/6,260,156

1

Related Information

• Before You Use Your Machine

Important Notes

- Check support.brother.com/downloads for Brother driver and software updates.
- To keep your machine performance up to date, check <u>support.brother.com/downloads</u> for the latest firmware upgrade. Otherwise, some of your machine's functions may not be available.
- Do not use this product outside the country of purchase as it may violate the wireless telecommunication and power regulations of that country.
- Not all models are available in all countries.
- Before giving your machine to anyone else, replacing it, or disposing of it, we strongly recommend resetting it to its factory settings to remove all personal information.
- Windows 10 in this document represents Windows 10 Home, Windows 10 Pro, Windows 10 Education, and Windows 10 Enterprise.
- Windows 11 in this document represents Windows 11 Home, Windows 11 Pro, Windows 11 Education, and Windows 11 Enterprise.
- For macOS v13 Users:

This machine supports macOS v13.

For machine setup and software installation instructions, see the Quick Setup Guide included in the carton.

All features in macOS v11 and macOS v12 are available in the macOS v13 environment and work in a similar way.

- In this User's Guide, the LCD messages of the HL-L6415DN are used unless otherwise specified.
- In this User's Guide, the illustrations of the HL-L6415DN are used unless otherwise specified.
- The screens or images in this User's Guide are for illustration purposes only and may differ from those of the actual products.
- Unless otherwise specified, the screens in this manual are from Windows 10. Screens on your computer may vary depending on your operating system.
- The contents of this document and the specifications of this product are subject to change without notice.
- Not all features are available in countries subject to applicable export restrictions.

Related Information

· Before You Use Your Machine

■ Home > Introduction to Your Machine

Introduction to Your Machine

- Before Using Your Machine
- Front View and Back View
- Control Panel Overview
- How to Navigate the Touchscreen LCD
- · How to Enter Text on Your Machine
- Access Brother Utilities (Windows)
- Input/Output Port Locations on Your Machine
- Improve Machine Ventilation

■ Home > Introduction to Your Machine > Before Using Your Machine

Before Using Your Machine

Before attempting any printing operation, confirm the following:

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

Firewall (Windows)

If your computer is protected by a firewall and you are unable to network print, 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

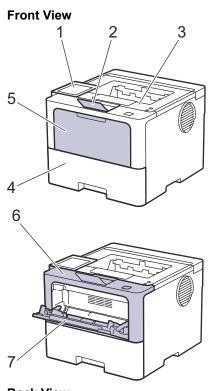
· Introduction to Your Machine

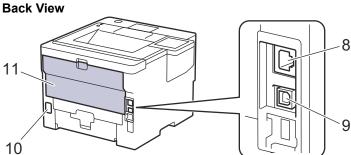
Front View and Back View

>> HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW

>> HL-L6410DN/HL-L6415DN

HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW





- 1. Control panel with a Liquid Crystal Display (LCD)
- 2. Face-down output tray support flap
- 3. Face-down output tray
- 4. Paper tray
- 5. Multi-purpose tray (MP tray) cover
- 6. Front cover
- 7. Multi-purpose tray (MP tray)
- (For wired network models)
 10BASE-T / 100BASE-TX / 1000BASE-T port
- 9. USB port
- 10. AC power connector
- 11. Back cover (Face-up output tray)

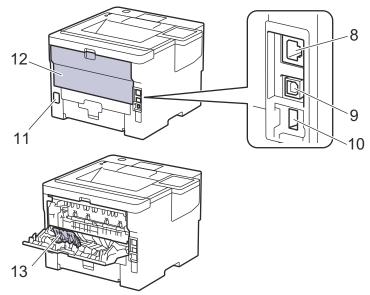


The machine is equipped with a non-detachable AC power cord depending on the model.

HL-L6410DN/HL-L6415DN

Front View 5 6

Back View



- 1. Touch panel with touchscreen LCD
- 2. Face-down output tray support flap
- 3. Face-down output tray
- 4. Paper tray
- 5. Multi-purpose tray (MP tray) cover
- 6. Front cover
- 7. Multi-purpose tray (MP tray)
- 8. 10BASE-T / 100BASE-TX / 1000BASE-T port
- 9. USB port
- 10. USB accessory port (Rear) (HL-L6410DN/HL-L6415DN)
- 11. AC power connector
- 12. Back cover (Face-up output tray)
- 13. Paper support flap



Related Information

• Introduction to Your Machine

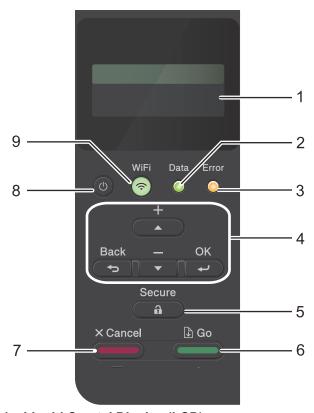
■ Home > Introduction to Your Machine > Control Panel Overview

Control Panel Overview

The control panel may vary depending on your model.

- >> HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW
- >> HL-L6410DN/HL-L6415DN

HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW



1. Liquid Crystal Display (LCD)

Displays messages to help you set up and use the machine.

Wireless Network Models

A four-level indicator shows the wireless signal strength if you are using a wireless connection.



2. Data LED

The Data LED blinks depending on the machine's status.

When the **Data** LED is on, data is in the machine's memory. When the **Data** LED blinks, the machine is receiving or processing data.

3. Error LED

The **Error** LED blinks when the LCD displays an error or an important status message.

4. Menu Buttons

OK

Press to store your machine's settings. After you change a setting, the machine returns to the previous menu level.

Back

- Press to go back one level in the menu.
- Press to select the previous digit when entering numbers.

Press to select the previous digit when entering letters or numbers.

∆ or **▼** (+ or -)

- · Press to scroll through menus and options.
- Press to enter a number or to increase or decrease the number. Hold down ▲ or ▼ to scroll faster.
 When you see the number you want, press OK.

5. Secure

Press to print any jobs saved in the machine's memory. You may need to enter your four-digit password.

6. (Go

- Press to clear certain error messages. To clear any other error messages, follow the LCD instructions.
- Press to print any data remaining in the machine's memory.
- Press to select the displayed option. After you select an option, the machine returns to Ready Mode.

7. Cancel

- Press to cancel the current setting.
- Press to cancel a programmed print job and clear it from the machine's memory. To cancel multiple print jobs, press and hold **Cancel** until the LCD displays [Cancel All Jobs].

8. (b) Power On/Off

- Turn the machine on by pressing (b).
- Turn the machine off by pressing and holding down 🕒

9. 🤛 WiFi button or 😱 Network button (depending on your model)

· Wired Network Models:

Network

Press the **Network** button to configure wired network settings.

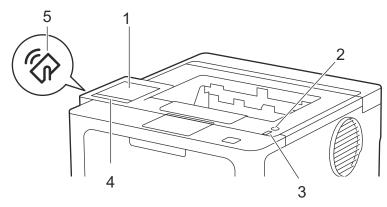
Wireless Network Models:

WiFi

Launch the wireless installer on your computer and press the **WiFi** button. Follow the on-screen instructions to configure a wireless connection between your machine and your network.

When the **WiFi** light is on, your machine is connected to a wireless access point. When the **WiFi** light blinks, it means that the wireless connection was interrupted, or your machine is in the process of connecting to a wireless access point.

HL-L6410DN/HL-L6415DN

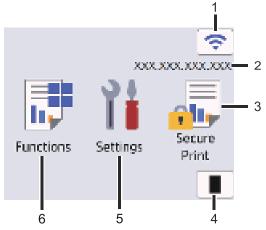


1. Touchscreen Liquid Crystal Display (LCD)

Access menus and options by pressing them on the touchscreen.

From the Home screen, you can access the WiFi setup ¹, Toner Level, Settings, Functions, and Secure Print screens.

The Home screen displays the machine's status when the machine is idle.



1. (Wireless Status) 1

Press to configure the wireless settings.

For certain models, the Home screen displays the wireless status when the optional Wireless Module is installed.

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



If you see | image displayed as the wireless status, press it to select a wireless connection method or configure an existing wireless connection.

2. IP Address

If the IP Address setting in the Screen Settings menu is turned on, your machine's IP address appears on the Home screen.

3. [Secure Print]

Press to access the Secure Print option.

4. [Toner]

Displays the remaining toner life. Press to access the ${\tt [Toner]}$ menu.

5. 🎁 [Settings]

Press to access the [Settings] menu.

Use the Settings menu to access all of your machine's settings.

If the Setting Lock is set to On, a lock icon appears on the LCD. You must unlock the machine to change any settings.

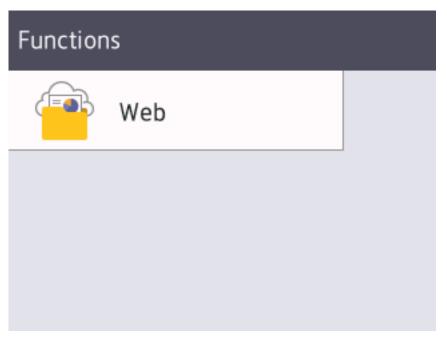
6. [Functions]

Press to access the Functions screen.

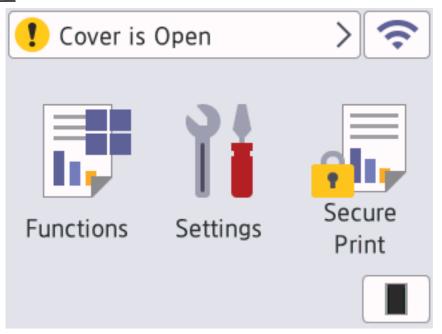


Press to connect your machine to an Internet service.

¹ For certain models, the wireless network connection can be used only when the optional Wireless Module is installed.



(Warning) icon



The warning icon ____ appears when there is an error or maintenance message. Press ____ to view it, address the issue, and then press ____ to return to Ready Mode.

2. (b) Power On/Off

- Turn the machine on by pressing (b).
- Turn the machine off by pressing and holding down (b).

3. LED Power Indicator

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

4. Touchpanel



Press to go back to the previous menu.

(Home)

Press to return to the Home screen.



Press to cancel an operation or to cancel a programmed print job and clear it from the machine's memory.

5. Near Field Communication (NFC)

Use card authentication, if applicable, by touching your Integrated Circuit Card (IC Card) to the NFC symbol on the machine.

Related Information

• Introduction to Your Machine

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

How to Navigate the Touchscreen LCD

Related Models: HL-L6410DN/HL-L6415DN

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

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.



This product uses fonts owned by ARPHIC TECHNOLOGY CO., LTD.

Related Information

· Introduction to Your Machine

Home > Introduction to Your Machine > How to Enter Text on Your Machine

How to Enter Text on Your Machine

>> HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW

>> HL-L6410DN/HL-L6415DN

HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW

When text is required, enter characters on the machine. The characters that are available may differ depending on the operation you perform.

- Hold down or repeatedly press ▲ or ▼ to select a character from this list:
 0123456789abcdefghijkImnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ(space)!"#\$%&'()*+,-./:;<=>?
 @[\]^_'{|}~
- Press OK when the character or symbol you want is displayed, and then enter the next character.
- Press Back to delete characters entered incorrectly.

HL-L6410DN/HL-L6415DN

- When you must enter text on your 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 numbers, and special characters.
- Press 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].

Making corrections

- If you entered a character incorrectly and want to change it, press ◀ or ▶ to move the cursor to the incorrect character and 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.

Related Information

Introduction to Your Machine

Related Topics:

- 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 the Setting Lock Password
- Register an Account on Your Brother Machine for Brother Web Connect
- Download and Print Using Web Services

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

Access Brother Utilities (Windows)

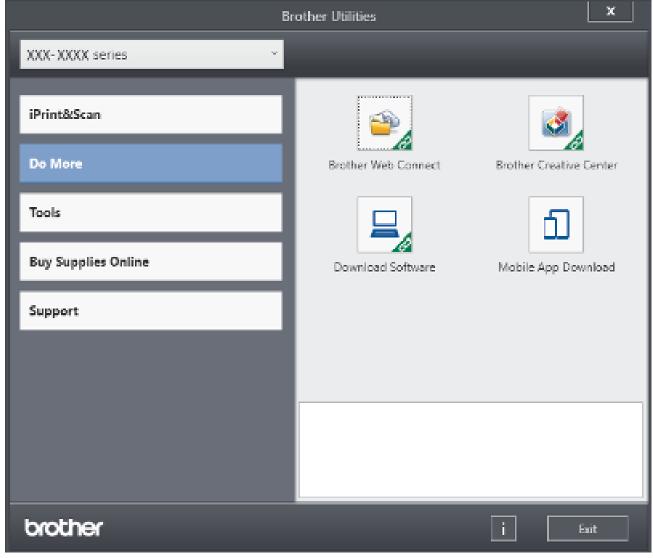
Brother Utilities is an application launcher that offers convenient access to all Brother applications installed on your computer.

- 1. Do one of the following:
 - (Windows 11)
 - Click > All apps > Brother > Brother Utilities.
 - (Windows 10, Windows Server 2016, Windows Server 2019, and Windows Server 2022)
 - Click = > Brother > Brother Utilities.
 - (Windows Server 2012 R2)

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 **Rep** (**Brother Utilities**).

- · (Windows Server 2012)
 - Tap or click **Brother Utilities**) either on the **Start** screen or the desktop.
- 2. Select your machine.



3. Choose the option you want.

4

Related Information

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

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

Uninstall the Software and Drivers (Windows)

- 1. Do one of the following:
 - · Windows 11

Click > All apps > Brother > Brother Utilities.

Windows 10, Windows Server 2016, Windows Server 2019, and Windows Server 2022

Click = > Brother > Brother Utilities.

Windows Server 2012 R2

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 **Fig.** (**Brother Utilities**).

Windows Server 2012

Tap or click **Prother Utilities**) either on the **Start** screen or the desktop.

- 2. Select your model from the drop-down list (if it is not already selected).
- 3. Click **Tools** in the left navigation bar.
 - If the Software Update Notification icon is visible, select it, and then click Check now > Check for Software Updates > Update. Follow the on-screen instructions.
 - If the Software Update Notification icon is not visible, go to the next step.
- 4. Click Uninstall in the Tools section of Brother Utilities.

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

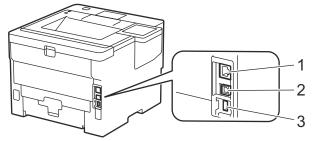
Related Information

· Access Brother Utilities (Windows)

▲ Home > Introduction to Your Machine > Input/Output Port Locations on Your Machine

Input/Output Port Locations on Your Machine

The input/output ports are located on the back and front of the machine.



- 1. 10BASE-T / 100BASE-TX / 1000BASE-T port (For network models)
- 2. USB port
- 3. USB accessory port (Rear) HL-L6410DN/HL-L6415DN

When connecting the USB or network cable, follow the instructions in the software/driver installer.

To install driver and software necessary for operating your machine, go to your model's **Downloads** page at support.brother.com.



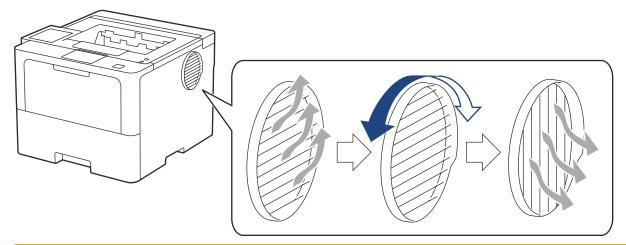
Related Information

· Introduction to Your Machine

▲ Home > Introduction to Your Machine > Improve Machine Ventilation

Improve Machine Ventilation

Rotate the main vent cover to redirect the flow of air from inside of the machine.



A CAUTION

- · Be careful not to get burned when rotating the vent. It may get hot.
- Keep a minimum gap around the product as shown in the illustration.

Front Side

NOTE

DO NOT put the product in a location that blocks or obstructs any slot or opening in the product. These slots and openings are provided for ventilation.



Related Information

Introduction to Your Machine

■ Home > Paper Handling

Paper Handling

- Load Paper
- Paper Settings
- Unprintable Area
- Recommended Print Media
- Using Special Paper

Load Paper

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

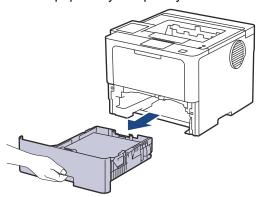
▲ Home > Paper Handling > Load Paper > Load and Print Using the Paper Tray

Load and Print Using the Paper Tray

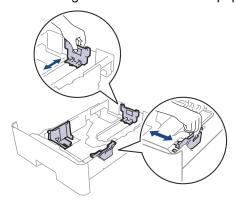
- Load Paper in the Paper Tray
- Load and Print Thick Paper Using the Paper Tray
- Printing Problems

Load Paper in the Paper Tray

- If the Check Paper 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.



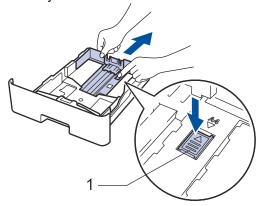
2. Press the green levers to slide the paper guides to fit the paper.



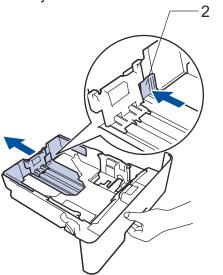


For Legal or Folio size paper, press the release button (1) in the bottom of the paper tray or the release lever (2) in the back of the tray, and then pull out the back of the paper tray. (Legal and Folio size paper are not available in some regions.)

For trays with a release button:



For trays with a release lever:



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



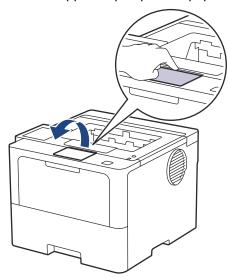
When you use letterhead or preprinted paper, load the paper in the correct orientation. See *Related Information: Change Machine Settings to Print on Letterhead or Preprinted Paper Using the Paper Tray.*

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.



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.
- If the print position is misaligned with the letterhead or preprinted objects, the print position is adjustable using the Print Position setting for the paper tray.
- Some preprinted paper may cause print stains, depending on the printing method and ink type.

Orientation

	For 1-sided printing • face down	
	top edge towards the front of the paper tray	
	For automatic 2-sided printing (long edge binding) • face up	
	bottom edge towards the front of the paper tray	

- >> HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW
- >> HL-L6410DN/HL-L6415DN

HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW

- 1. Press ▲ or ▼ to select the following:
 - a. Select [Printer]. Press OK.
 - b. Select [2-sided]. Press OK.
 - c. Select [Single Image]. Press OK.
- 2. Press \blacktriangle or \blacktriangledown to select [2-sided Feed], and then press Go.

HL-L6410DN/HL-L6415DN

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



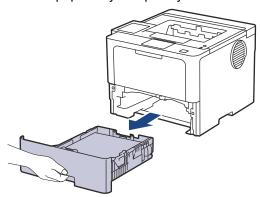
Related Information

· Load Paper in the Paper Tray

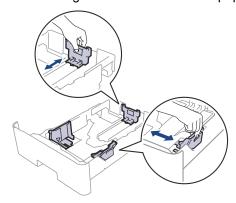
■ Home > Paper Handling > Load Paper > Load and Print Using the Paper Tray > Load and Print Thick Paper Using the Paper Tray

Load and Print Thick Paper Using the Paper Tray

- If the Check Paper 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.



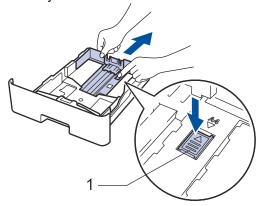
2. Press the green levers to slide the paper guides to fit the paper.



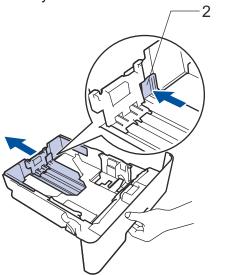


For Legal or Folio size paper, press the release button (1) in the bottom of the paper tray or the release lever (2) in the back of the tray, and then pull out the back of the paper tray. (Legal and Folio size paper are not available in some regions.)

For trays with a release button:



For trays with a release lever:



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



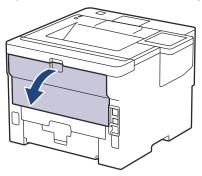
DO NOT load different sizes and types of paper in the paper tray at the same time. Doing this may cause the paper to jam or misfeed.

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

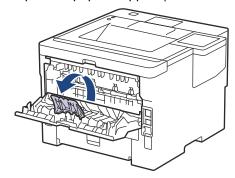


6. Slowly push the paper tray completely into the machine.

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



8. Open the paper stopper. (HL-L6410DN/HL-L6415DN)



9. Send your print job to the machine.



Change your print preferences in the Print dialog box.

- 10. Close the paper stopper. (HL-L6410DN/HL-L6415DN)
- 11. When finished, close the back cover (the face up output tray) until it locks in the closed position.

V Rela

Related Information

· Load and Print Using 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)

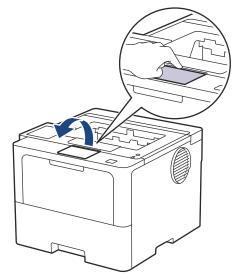
- Load Paper in the Multi-purpose Tray (MP Tray)
- Load and Print Labels Using the MP Tray
- Load and Print Envelopes Using the MP Tray
- Printing Problems

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

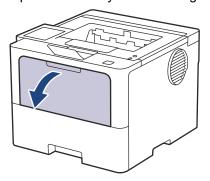
Load Paper in the Multi-purpose Tray (MP Tray)

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.

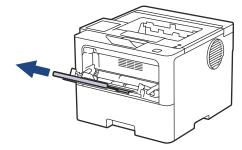
- · Plain Paper
- · Thin Paper
- · Thick Paper
- · Recycled Paper
- Bond Paper
- Letterhead
- Coloured Paper
- 1. Lift the support flap to prevent paper from sliding off the face down output tray.



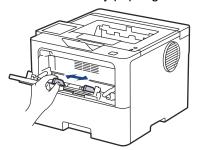
2. Open the MP tray and lower it gently.



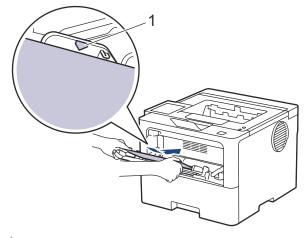
3. Pull out the MP tray support.



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).
- 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

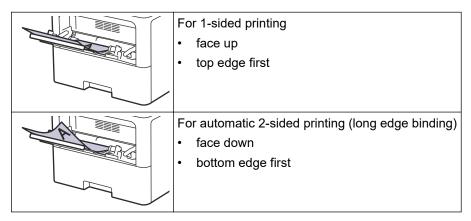
Change Machine Settings to Print on Letterhead or Preprinted Paper Using the MP Tray

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.
- If the print position is misaligned with the letterhead or preprinted objects, the print position is adjustable using the Print Position setting for the MP tray.
- · Some preprinted paper may cause print stains, depending on the printing method and ink type.

Orientation



- >> HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW
- >> HL-L6410DN/HL-L6415DN

HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW

- 1. Press ▲ or ▼ to select the following:
 - a. Select [Printer]. Press OK.
 - b. Select [2-sided]. Press OK.
 - c. Select [Single Image]. Press OK.
- 2. Press ▲ or ▼ to select [2-sided Feed], and then press Go.

HL-L6410DN/HL-L6415DN

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

Related Information

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

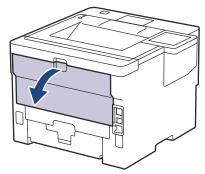
■ Home > Paper Handling > Load Paper > Load and Print Using the Multi-purpose Tray (MP Tray) > Load and Print Labels Using the MP Tray

Load and Print Labels Using the MP Tray

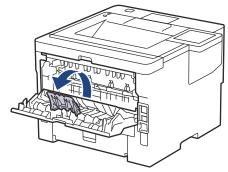
When you print on labels, open the back cover (face up output tray) and use the MP tray.

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.

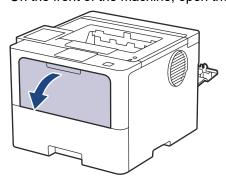
1. Open the machine's back cover (the face up output tray).



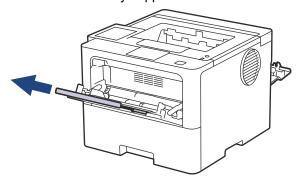
2. Open the paper stopper. (HL-L6410DN/HL-L6415DN)



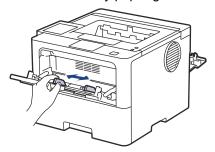
3. On the front of the machine, open the MP tray and lower it gently.



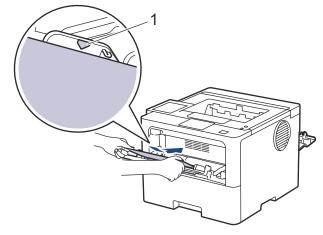
4. Pull out the MP tray support.



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



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





Make sure the labels are below the maximum paper mark (1).

- 7. Change your print preferences in the Print screen.
- 8. Send your print job to the machine.
- 9. Close the paper stopper. (HL-L6410DN/HL-L6415DN)
- 10. When finished, 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

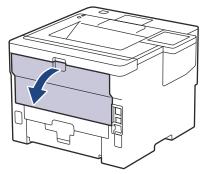
Load and Print Envelopes Using the MP Tray

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

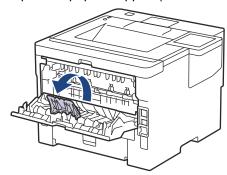


When you load a different size and type of paper in the tray, you must also change the Paper Size and Paper Type settings in the machine, or on your computer.

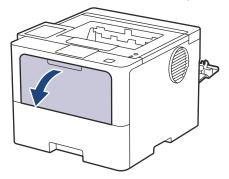
1. Open the machine's back cover (the face up output tray).



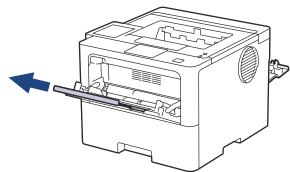
2. Open the paper stopper. (HL-L6410DN/HL-L6415DN)



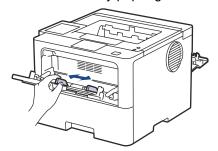
3. On the front of the machine, open the MP tray and lower it gently.



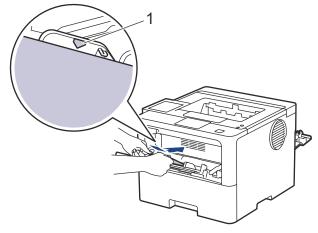
4. Pull out the MP tray support.



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



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





Load the envelopes in the MP tray with the printing surface face up. Make sure the envelopes are below the maximum paper mark (1).

7. Change your print preferences in the Print dialog box.

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

- 8. Send your print job to the machine.
- 9. When finished, close the back cover (the face up output tray) until it locks in the closed position.



(HL-L6410DN/HL-L6415DN)

Close the paper stopper, and then close the back cover.

Related

Related Information

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

Paper Settings

- Change the Paper Size and Paper Type
- Change the Check Paper Setting
- Clear Paper Jams

■ 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 also change the Paper Size and Paper Type settings on the LCD.

- >> HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW
- >> HL-L6410DN/HL-L6415DN

HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW

- 1. Press ▲ or ▼ to select the following:
 - a. Select [General Setup]. Press OK.
 - b. Select [Tray Setting]. Press OK.
 - c. Select [Paper Type]. Press OK.
- Press ▲ or ▼ to display the paper tray that you want to change, and then press OK.
- 3. Press ▲ or ▼ to display the paper type you want, and then press OK.
- 4. Press Back.
- 5. Press ▲ or ▼ to display the [Paper Size] option, and then press OK.
- 6. Press ▲ or ▼ to display the paper tray that you want to change, and then press OK.
- 7. Press ▲ or ▼ to display the paper type you want, and then press OK.
- 8. Press ▲ or ▼ to display the paper size you want, and then press Go.

HL-L6410DN/HL-L6415DN

- 1. Press [Settings] > [All Settings] > [General Setup] > [Tray Setting] > [Paper Type].
- 2. Press the paper tray options you want.
- 3. Press ▲ or ▼ to display the paper type options, and then press the option you want.
- 4. Press
- 5. Press ▲ or ▼ to display the [Paper Size] option, and then press [Paper Size].
- 6. Press ▲ or ▼ to display the paper tray options, and then press the option you want.
- 7. 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 > Change the Check Paper Setting

Change the Check Paper Setting

When you turn on your machine's Check Paper 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.

- >> HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW
- >> HL-L6410DN/HL-L6415DN

HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW

- 1. Press ▲ or ▼ to select the following:
 - a. Select [General Setup]. Press OK.
 - b. Select [Tray Setting]. Press OK.
 - c. Select [Check Paper]. Press OK.
- 2. Press ▲ or ▼ to select the <code>[On]</code> or <code>[Off]</code> option, and then press Go.

HL-L6410DN/HL-L6415DN

- 1. Press [Settings] > [All Settings] > [General Setup] > [Tray Setting] > [Check Paper].
- 2. Press [On] or [Off].
- 3. Press

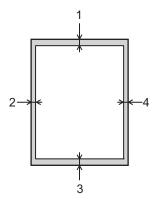
Related Information

· Paper Settings

■ Home > Paper Handling > Unprintable Area

Unprintable Area

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





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

Usage		Top (1) Bottom (3)	Left (2) Right (4)
Print	Letter	4.2 mm	4.2 mm
	A4	4.2 mm	4.2 mm
	Legal	4.2 mm	4.2 mm

Related Information

· Paper Handling

■ 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	Xerox Premier TCF 80 g/m ²
	Xerox Business 80 g/m ²
Recycled Paper	Steinbeis Evolution White 80 g/m ²
Labels	Avery laser label L7163
Envelopes	Antalis River series (DL)

✓

Related Information

Paper Handling

Related Topics:

Clear Paper Jams

■ 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.

Related Information

Paper Handling

Related Topics:

Clear Paper Jams

Print

- Print from Your Computer (Windows)
- Print from Your Computer (Mac)
- Print an Email Attachment
- Secure Print Using a USB Flash Drive
- Print Duplicate Copies
- Change Print Settings Using the Control Panel
- Cancel a Print Job
- Test Print
- Universal Print

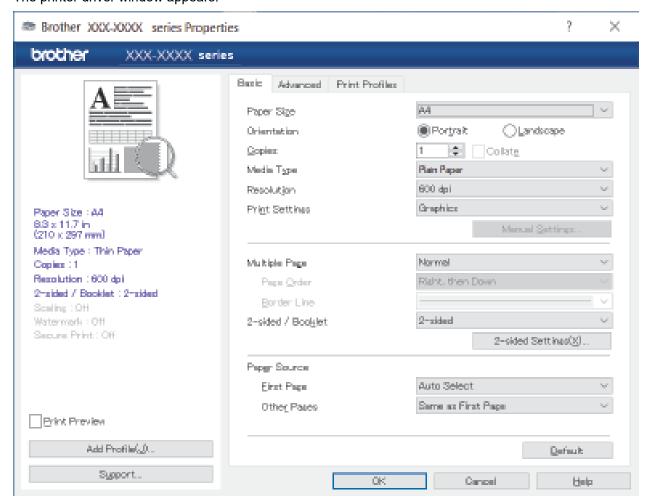
≜ Home > Print > Print from Your Computer (Windows)

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)

Print a Document (Windows)

- 1. Select the print command in your application.
- 2. Select your model's name, and then click the printer's 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)

Related Topics:

Clear Paper Jams

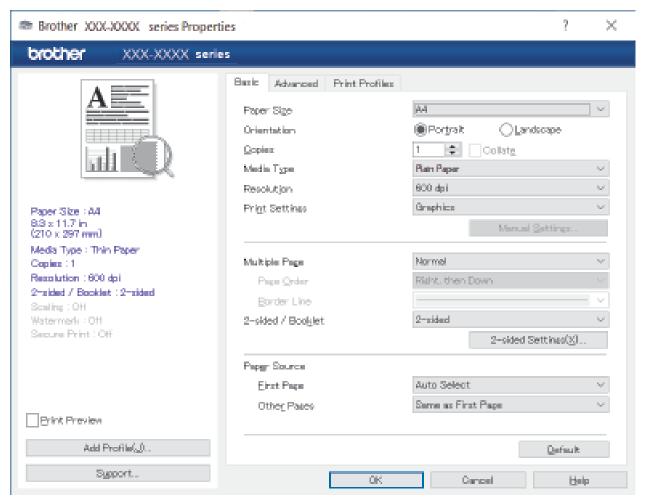
• Print Settings (Windows)

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

Print Settings (Windows)

- >> Basic Tab
- >> Advanced Tab

Basic Tab



1. Paper Size

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

5. Resolution

Select the print resolution. As print resolution and speed are related, the higher the resolution, the longer it will take to print the document.

6. Print Settings

Select the type of document you want to print.

Manual Settings...

Specify advanced settings such as brightness, contrast, and other settings.

Graphics

Use Printer Halftone

Select this option to use the printer driver to express halftones.

Brightness

Adjust the brightness.

Contrast

Adjust the contrast.

Graphics Quality

Select either Graphics or Text for the best print quality, based on the type of document you are printing.

Improve Grey Printing

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

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.

Improve Thin Line

Select this option to improve the image quality of thin lines.

Use System Halftone

Select this option to use Windows to express halftones.

TrueType Mode (available only for certain models)

Mode

Select how the fonts are processed for printing.

Use Printer TrueType Fonts

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

7. 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.

8. 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

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

9. Paper Source

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

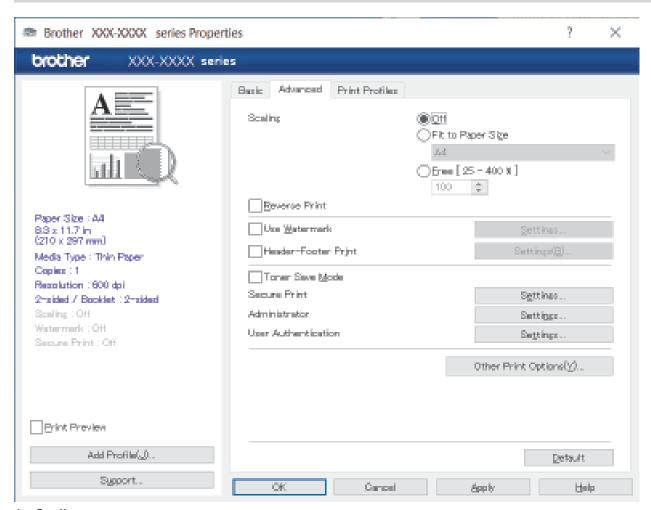
First Page

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 [25 - 400%]

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 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 (available only for certain models)

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 (available only for certain models)

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

9. Output Tray (available only for certain models)

Select the output tray for printed pages.

MX Stacker

Ejects paper into the standard output tray. When the standard output tray becomes full the printer automatically selects the next available bin.

MX Sorter

When you print multiple copies, each copy is ejected onto a different bin from 1 to 4.

Use Std. Tray when full

Select this option to continue printing, even if the Mailbox bin is full. When you select this option, the machine continues the print job, ejecting the remaining pages onto the machine's main output tray when the Mailbox bin is full.

10. Other Print Options

Sleep Time

Select this option to set the machine to enter sleep mode immediately after printing.

Macro (available only for certain models)

Select this feature to print an electronic form (macro), which you have stored in your machine's memory, as an overlay on the print job.

Density Adjustment

Specify the print density.

Improve Print Output

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

Skip Blank Page

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

Print Text in Black

Select this option when you want to print colour text in black.

Print Archive

Select this option to save the print data as a PDF file to your computer.

Eco settings

Select this option to reduce printing noise.

Related Information

Print from Your Computer (Windows)

Related Topics:

· The Mailbox Unit

• 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 the machine off.

>> HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW

>> HL-L6410DN/HL-L6415DN

HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW

- 1. Select the print command in your application.
- 2. Select your model's name, and then click the printer's 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 checkbox.
- 6. Type your four-digit password in the **Password** field.
- 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, press **Secure**.
- 12. Press ▲ or ▼ to display your user name, and then press **OK**.
- 13. Enter your four-digit password.

To enter each digit, press ▲ or ▼ to select a number, and then press **OK**.

- 14. Press ▲ or ▼ to display the job, and then press **OK**.
- 15. Press ▲ or ▼ to select the [Print] option, and then press **OK**.
- 16. Press ▲ or ▼ to enter the number of copies you want.
- 17. Press **OK**.

The machine prints the data.

After you print the secured data, it is cleared from the machine's memory.

HL-L6410DN/HL-L6415DN

- 1. Select the print command in your application.
- 2. Select your model's name, and then click the printer's 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 checkbox.
- 6. Type your four-digit password in the Password field.
- 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, press [Secure Print].

- 12. Press ▲ or ▼ to display the user names, and then press your user name to select it.
- 13. Enter your four-digit password, and then press [OK].
- 14. Press ▲ or ▼ to display the print job, and then press it.
- 15. Enter the number of copies you want.
- 16. Press [Start].

After you print the secured data, it is cleared from the machine's memory.



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 11
 - Click All apps > Windows Tools > Control Panel. In the Hardware and Sound group, click View devices and printers.
 - For Windows 10, Windows Server 2016, Windows Server 2019, and Windows Server 2022
 - Click > Windows System > Control Panel. In the Hardware and Sound (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.
 - 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**.
- 2. Right-click your model's icon, and then select **Printer properties**. (If printer driver options appear, select your printer driver.)
 - The printer properties dialog box appears.
- 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 (available for certain models).
- 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 check the machine's 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 11

Click > All apps > Windows Tools > Control Panel. In the Hardware and Sound group, click View devices and printers.

For Windows 10, Windows Server 2016, Windows Server 2019, and Windows Server 2022

Click > Windows System > Control Panel. In the Hardware and Sound (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.
- 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**.
- 2. Right-click your model's icon, and then select **Printer properties**. (If printer driver options appear, select your printer driver.)

The printer properties dialog box appears.

- 3. Click the **Device Settings** tab.
- 4. 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 is turned off.
- The machine is shared via Print Server
- · The machine and your computer are not connected.

Related Information

· Change the Default Print Settings (Windows)

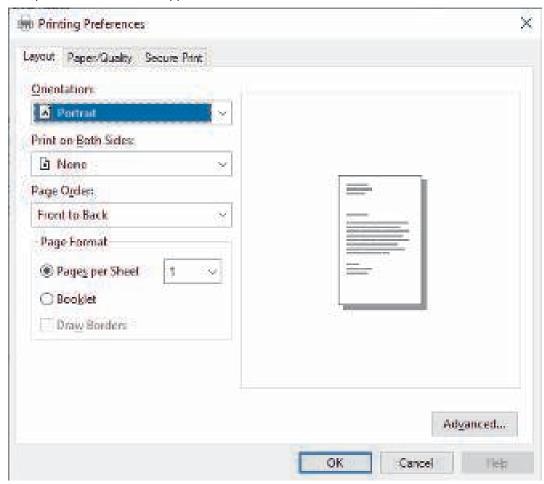
Home > Print > Print from Your Computer (Windows) > Print a Document Using the BR-Script3 Printer Driver (PostScript[®] 3[™] Language Emulation) (Windows)

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.

Go to your model's **Downloads** page at <u>support.brother.com/downloads</u> to install the PS driver (BR-Script3 printer driver).

- 1. Select the print command in your application.
- 2. Select your model with **BR-Script3** in the name, and then click the printer's properties or preferences button. The printer driver window appears.



3. Click the **Layout**, **Paper/Quality**, or **Secure Print** tab to change basic print settings. (available only for certain models)

Click the **Layout** or **Paper/Quality** tab, and then click the **Advanced...** button to change advanced print settings. Click **OK**.

- 4. Click OK.
- 5. Complete your print operation.

Related Information

• Print from Your Computer (Windows)

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

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

Do one of the following:

- Double-click the figure icon in the task tray.
- Launch (Brother Utilities), and then click the drop-down list and select your model's 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 support website.

Looking for replacement supplies?

Click the Looking for replacement supplies? button for more information on Brother genuine supplies.

Related Information

• Print from Your Computer (Windows)

Related Topics:

· Printing Problems

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

Print from Your Computer (Mac)

• Print Using AirPrint

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

Print Using AirPrint

- Print from iPad, iPhone, or iPod touch
- Print Using AirPrint (macOS)
- Clear Paper Jams

■ Home > Print > Print an Email Attachment

Print an Email Attachment

You can print files by emailing them to your Brother machine.

- Make sure Web Based Management is set to On. For more information, see Related Information.
- You can attach up to 10 documents, 20 MB in total, to an email.
- This feature supports the following formats:
 - Document files: PDF, TXT, and Microsoft Office files
 - Image files: JPEG, BMP, GIF, PNG, and TIFF
- The machine prints both the email content and attachments by default. To print only email attachments, change the settings as necessary.
- Start your web browser.
- 2. Type "https://machine's IP address" in your browser's address bar (where "machine's IP address" is your machine's IP address).

For example:

https://192.168.1.2

3. If required, type the password in the Login field, and then click Login.



The default password to manage this machine's settings is located on the back of the machine and marked "Pwd".

4. Go to the navigation menu, and then click **Online Functions > Online Functions Settings**.



- Start from =, if the navigation menu is not shown on the left side of the screen.
- · If this function is locked, contact your network administrator for access.
- 5. Click the I accept the terms and conditions button.
- 6. Go to your machine, and then follow the machine's instructions to enable the settings.
- 7. On your computer, click General Settings.

The **Email Print**: **General Settings** screen appears.

8. Click the **Enable** button.

The machine prints the instruction sheet.

9. Send your email to the email address included on the sheet. The machine prints the email attachments.



- To change the settings, including email address and printer settings, click the Online Functions Settings Page button.
- (HL-L6410DN/HL-L6415DN)

You can also configure the settings from your machine. Press [Functions] > [Web] > [Online Functions], and then follow the on-screen instructions.

✓ Re

Related Information

Print

Related Topics:

· Enable/Disable Web Based Management Using the Control Panel

Home > Print > Secure Print Using a USB Flash Drive

Secure Print Using a USB Flash Drive

Related Models: HL-L6410DN/HL-L6415DN

USB Storage Print allows you to save secure print data to the USB flash drive and print them later by entering a password on the machine's control panel.

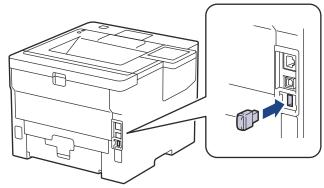
NOTE

USB flash drive requirements:

- Storage Size: 1 GB or more (Recommended: 16 GB or more)
- Format: FAT32/exFAT
- Data stored on a USB flash drive is encrypted, but this may not protect it from unauthorised access in all circumstances. Make sure you securely manage and store your data and USB flash drive.
- Data on a USB flash drive can only be read on the machine whose data it stores. You cannot read the
 data on another machine, device, or computer.
- When you no longer need the USB flash drive to store the data from your machine and want to use it for other purposes, delete all stored data, and format the USB flash drive on your computer. To format or clean the USB flash drive, refer to its user manual for instructions.

For more information on the printer driver settings, see Related Information.

1. Insert your USB flash drive into the rear USB port.



- 2. Press
- 3. On the machine's control panel, press [Settings] > [All Settings] > [Printer] > [Job Save Location].
- 4. Press [USB flash drive(Rear port)].

A message appears on the LCD to initialise the USB flash drive.

5. Press and hold [OK] for two seconds to initialise.

The machine will restart and activate the USB Storage Print feature.

NOTE

- When the machine restarts to activate the USB Storage Print feature, all the stored jobs, Macro, Stream and Font data will be deleted from the machine's memory.
- When the machine restarts to activate the USB Storage Print feature, the Macro, Stream and Font data will be deleted from the USB flash drive.
- 6. In the printer driver, complete the settings for the Secure Print option and execute the print command in your application.

- 7. On the machine's control panel, press [Secure Print].
- 8. Press ▲ or ▼ to display the user names, and then press your user name to select it.
- 9. Enter your four-digit password, and then press <code>[OK]</code>.
- 10. Press ▲ or ▼ to display the print job, and then press it.
- 11. Enter the number of copies you want.
- 12. Press [Start].

The machine prints the data and deletes the print job from the USB flash drive.

IMPORTANT

DO NOT remove the USB flash drive from the rear USB port until the machine has finished printing.



Related Information

• Print

Related Topics:

• Error and Maintenance Messages

■ Home > Print > Print Duplicate Copies

Print Duplicate Copies

Use the Carbon Copy function to make multiple copies of the same print data, as if printing on carbon paper. Send the data to individual paper trays that you loaded with different paper types or colours.

For example, you may want to set the machine to send your print data to Tray 1, which you have pre-loaded with blue coloured paper, and then reprint the data in a certain location on the page from the MP Tray, which you have loaded with yellow coloured paper that already contains text.

If you load blue paper in Tray 1 and yellow paper in the MP tray, the printer will automatically feed paper for Sheet 1 from Tray 1 and Sheet 2 from the MP Tray.

If you enable the Carbon Copy function, the machine will always make copies automatically.



(Windows)

The carbon copy function also allows you to select a different printing macro/stream for each page.

>> HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW

>> HL-L6410DN/HL-L6415DN

HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW

- 1. Press ▲ or ▼ to display the [Printer] option, and then press OK.
- 2. Press A or V to display the [Carbon Menu] option, and then press OK.
- 3. Press ▲ or ▼ to display the [Carbon Copy] option, and then press OK.
- 4. Press ▲ or ▼ to display the [On] option, and then press **OK**.
- 5. Press ▲ or ▼ to display the [Copies] option, and then press OK.
- 6. Press ▲ or ▼ to enter the number of copies you want, and then press OK.
- 7. Press ▲ or ▼ to display the [Copy1 Tray] option, and then press OK.
- 8. Press ▲ or ▼ to display the paper tray you want to configure as [Copy1 Tray], and then press OK.



(Windows)

- a. Press ▲ or ▼ to display the [Copy1 Macro] option, and then press OK.
- b. Press ▲ or ▼ to display the ID number of the macro you want to use, and then press **OK**.
- 9. Repeat these steps until you have selected all the tray settings for each copy.
- 10. Send your print job to the machine.

HL-L6410DN/HL-L6415DN

- 1. Press [Settings] > [All Settings] > [Printer] > [Carbon Menu] > [Carbon Copy] > [On].
- 2. Press ▲ or ▼ to display the [Copies] option, and then press the [Copies] option.
- 3. Enter the number of copies you want, and then press [OK].
- 4. Press ▲ or ▼ to display the [Copy1 Tray] option, and then press the [Copy1 Tray] option.
- 5. Press ▲ or ▼ to display the paper tray for which you want to configure the [Copy1 Tray] option, and then press the paper tray name to select it.



(Windows)

- a. Press ▲ or ▼ to display the [Copy1 Macro] option, and then press the [Copy1 Macro] option.
- b. Press ▲ or ▼ to display the ID number of the macro you want to use, and then press it.
- 6. Repeat these steps until you have selected all the tray settings for each copy.
- 7. Press

8. Send your print job to the machine.



Related Information

• Print

▲ Home > Print > Change Print Settings Using the Control Panel

Change Print Settings Using the Control Panel

Select the type of document you want to print.

- >> HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW
- >> HL-L6410DN/HL-L6415DN

HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW

- 1. Press ▲ or ▼ to display the [Printer] option, and then press OK.
- 2. Press ▲ or ▼ to display the [Printer Settings] option, and then press OK.
- 3. Press ▲ or ▼ to display the [Graphics] or [Text] option, and then choose the option you want.
- 4. Press OK.

HL-L6410DN/HL-L6415DN

- 1. Press [Settings] > [All Settings] > [Printer] > [Print Settings].
- 2. Press [Text] or [Graphics].
- 3. Press

Related Information

• Print

Cancel a Print Job

>> HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW >> HL-L6410DN/HL-L6415DN

HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW

Press Cancel.



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

HL-L6410DN/HL-L6415DN

Press





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

Related Information

• Print

Related Topics:

• Printing Problems

Test Print

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

- >> HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW
- >> HL-L6410DN/HL-L6415DN

HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW

- 1. Press ▲ or ▼ to display the [Printer] option, and then press OK.
- 2. (HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW) Press ▲ or ▼ to display the [Print Options] option, and then press **OK**.
- 3. Press ▲ or ▼ to display the [Test Print] option, and then press OK.
- 4. Press Go.

The machine prints the test page.

HL-L6410DN/HL-L6415DN

- 1. Press [Settings] > [All Settings] > [Printer] > [Print Options] > [Test Print].
- 2. Press [Yes].
- 3. Press

Related Information

Print

Related Topics:

· Improve the Print Quality

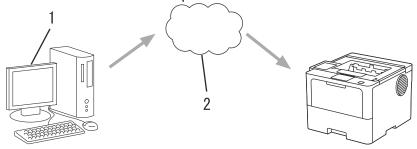
■ Home > Print > Universal Print

- Universal Print Overview
- Register Your Machine with Universal Print Using Web Based Management
- Assign Universal Print Users via Microsoft Azure Portal
- Add a Universal Print-enabled Printer to Your Computer
- Print Using Universal Print
- Deregister Your Machine from Universal Print

■ Home > Print > Universal Print > Universal Print Overview

Universal Print Overview

Universal Print is a cloud-based print service from Microsoft. You can print documents, from anywhere on the Internet, without installing a printer driver. Universal Print is available for Azure Active Directory (Azure AD) users with the Microsoft 365 subscription.



- 1. Computer running Windows 10 20H1 or greater
- 2. Cloud server

Related Information

Register Your Machine with Universal Print Using Web Based Management

- · Make sure you set the correct date and time for your time zone.
- If your network uses a proxy server, configure the proxy server settings.
- 1. Start your web browser.
- 2. Type "https://machine's IP address" in your browser's address bar (where "machine's IP address" is your machine's IP address).

For example:

https://192.168.1.2

3. If required, type the password in the **Login** field, and then click **Login**.



The default password to manage this machine's settings is located on the back of the machine and marked "**Pwd**".

4. Go to the navigation menu, and then click **Network > Network > Protocol**.



Start from =, if the navigation menu is not shown on the left side of the screen.

- 5. Select the Universal Print checkbox, and then click Advanced Settings.
- 6. Change your machine's name in the Device Name field if necessary.



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

7. Click Register.



If an error occurs, follow the on-screen instructions.

- 8. A Universal Print user code appears. Click the Sign in button, and then type the user code.
- 9. Follow the on-screen instructions to finish the registration.

4

Related Information

Universal Print

Related Topics:

- · Configure Date and Time Using Web Based Management
- Configure the Proxy Server Settings Using Web Based Management

▲ Home > Print > Universal Print > Assign Universal Print Users via Microsoft Azure Portal

Assign Universal Print Users via Microsoft Azure Portal

You can assign users to the Universal Print service only if your machine is registered on the Microsoft Azure portal.

1. Access the Microsoft Azure portal.

URL: portal.azure.com

- 2. Log in as a Printer Administrator.
- 3. Select the Universal Print service.
- 4. Select the **Printers** option, and then select your machine from the list.
- 5. Select the Share option.
- 6. Select the users you want to assign to the Universal Print service, and then click **Share Printer**.

Related Information

▲ Home > Print > Universal Print > Add a Universal Print-enabled Printer to Your Computer

Add a Universal Print-enabled Printer to Your Computer

- 1. Click > Devices > Printers & scanners > Add a printer or scanner.
- 2. Select your machine registered as a Universal Print-enabled printer from the list, and then click **Add device**.

Related Information

▲ Home > Print > Universal Print > Print Using Universal Print

Print Using Universal Print

- 1. Select the print command in your application.
- 2. Select the machine you registered as a Universal Print-enabled printer, and then click the printer's properties or preferences button.
- 3. Change the printer settings, if needed.
- 4. Complete your print operation.

Related Information

▲ Home > Print > Universal Print > Deregister Your Machine from Universal Print

Deregister Your Machine from Universal Print

To deregister your machine, you must delete it from Web Based Management, and then delete it on the Microsoft Azure portal.

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

For example:

https://192.168.1.2

3. If required, type the password in the **Login** field, and then click **Login**.



The default password to manage this machine's settings is located on the back of the machine and marked "**Pwd**".

4. Go to the navigation menu, and then click **Network > Network > Protocol**.



Start from =, if the navigation menu is not shown on the left side of the screen.

- 5. Next to the Universal Print checkbox, click Advanced Settings.
- 6. Click Delete Registration Data, and then follow the on-screen instructions.
- 7. Access the Microsoft Azure portal.

URL: portal.azure.com

- 8. Log in as a Printer Administrator.
- 9. Select the Universal Print service.
- 10. Select the **Printers** option, and then select your machine from the list.
- 11. Click Delete Printer Share.
- 12. Click Unregister.

1

Related Information

■ Home > Network

Network

- Supported Basic Network Features
- Configure Network Settings
- Wireless Network Settings
- Network Features

Supported Basic Network Features

The machine 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	Windows Server	macOS
Printing	Yes	Yes	Yes
Web Based Management ¹	Yes	Yes	Yes
Status Monitor	Yes		
Driver Deployment Wizard	Yes	Yes	

¹ The default password to manage this machine's settings is located on the back of the machine and marked "Pwd". We recommend immediately changing the default password to protect your machine from unauthorised access.



- When connecting your machine to an outside network such as the Internet, make sure your network
 environment is protected by a separate firewall or other means in order to prevent information leaks due
 to inadequate settings or unauthorised access by malicious third parties.
- When your machine is connected to the global network, a warning appears. When you see this warning, we strongly recommend confirming your network settings, and then re-connecting to a secure network.
- Enabling your machine's global network communication filtering feature blocks access from the global network. The global network communication filtering feature may prevent the machine from receiving certain print or scan jobs from a computer or mobile device that uses a global IP address.



Related Information

Network

■ Home > Network > Configure Network Settings

Configure Network Settings

- Configure Network Details Using the Control Panel
- Change Machine Settings Using Web Based Management

▲ Home > Network > Configure Network Settings > Configure Network Details Using the Control Panel

Configure Network Details Using the Control Panel

To configure the machine for your network, use the control panel's [Network] menu selections.



- For information about the network settings you can configure using the control panel, see *Related Information*: Settings Tables.
- You can also use Web Based Management, to configure and change your machine's network settings.
- >> HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW
- >> HL-L6410DN/HL-L6415DN

HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW

- 1. Press ▲ or ▼ to select the [Network] option, and then press OK.
- 2. Press ▲ or ▼ to select the network option you want, and then press **OK**. Repeat this step until you access the menu you want to configure, and then follow the LCD instructions.

HL-L6410DN/HL-L6415DN

- 1. Press [[Settings] > [All Settings] > [Network].
- 2. Press ▲ or ▼ to display the network option you want, and then press it. Repeat this step until you access the menu you want to configure, and then follow the LCD instructions.

Related Information

Configure Network Settings

Related Topics:

- Settings Tables (HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW)
- Settings Tables (HL-L6410DN/HL-L6415DN)
- Feature Tables (HL-L6410DN/HL-L6415DN)
- · Supported Basic Network Features

■ Home > Network > Wireless Network Settings

Wireless Network Settings

Related Models: HL-L5210DW/HL-L6210DW/HL-L6410DN/HL-L6415DN

- Use the Wireless Network
- Use Wi-Fi Direct®
- Enable/Disable Wireless LAN
- Print the WLAN Report

Use the Wireless Network

Related Models: HL-L5210DW/HL-L6210DW/HL-L6410DN/HL-L6415DN

- Before Configuring Your Machine for a Wireless Network
- Configure Your Machine for a Wireless Network Using the Setup Wizard from Your Computer
- Configure Your Machine for a Wireless Network Using the Machine's Control Panel Setup Wizard
- 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 When the SSID Is Not Broadcast
- Configure Your Machine for an Enterprise Wireless Network

■ Home > Network > Wireless Network Settings > Use the Wireless Network > Before Configuring Your Machine for a Wireless Network

Before Configuring Your Machine for a Wireless Network

Related Models: HL-L5210DW/HL-L6210DW/HL-L6410DN/HL-L6415DN

NOTE

HL-L6410DN/HL-L6415DN:

The wireless network connection can be used only when the optional Wireless Module is installed.

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 your 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 your 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 there is a signal in the vicinity, wireless LAN allows you to freely make a LAN connection. However, if security settings are not correctly configured, the signal may be intercepted by malicious third-parties, possibly resulting in:
 - Theft of personal or confidential information
 - Improper transmission of information to parties impersonating the specified individuals
 - Dissemination of transcribed communication contents that were intercepted



Make sure you know your wireless router/access point's Network Name (SSID) and Network Key (Password). If you cannot find this information, consult the manufacturer of your wireless router/access point, your system administrator, or Internet provider. Brother cannot provide this information.

✓

Related Information

· Use the Wireless Network

■ Home > Network > Wireless Network Settings > Use the Wireless Network > Configure Your Machine for a Wireless Network Using the Setup Wizard from Your Computer

Configure Your Machine for a Wireless Network Using the Setup Wizard from Your Computer

Related Models: HL-L5210DW/HL-L6210DW/HL-L6410DN/HL-L6415DN

NOTE

(HL-L6410DN/HL-L6415DN)

The wireless network connection can be used only when the optional Wireless Module is installed.

- 1. Download the installer from your model's **Downloads** page at <u>support.brother.com/downloads</u>.
- 2. Start the installer, and then follow the on-screen instructions.
- 3. Select Wireless Network Connection (Wi-Fi) or Wireless Network Connection (Wi-Fi) (Optional), and then click Next.
- 4. Follow the on-screen instructions.

You have completed the wireless network setup.

Relate

Related Information

Use the Wireless Network

■ Home > Network > Wireless Network Settings > Use the 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

Related Models: HL-L5210DW/HL-L6210DW/HL-L6410DN/HL-L6415DN

NOTE

(HL-L6410DN/HL-L6415DN)

The wireless network connection can be used only when the optional Wireless Module is installed.

>> HL-L5210DW/HL-L6210DW >> HL-L6410DN/HL-L6415DN

HL-L5210DW/HL-L6210DW

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, but your Brother machine supports
 the use of only the first WEP key.
- If you need assistance during setup and want to contact Brother customer service, make sure you have your SSID (Network Name) and Network Key (Password) 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?

- Check the documentation provided with your wireless access point/router.
- The initial SSID could be the manufacturer's name or the model name.
- If you do not know the security information, consult the router manufacturer, your system administrator, or your Internet provider.
- 2. Press ▲ or ▼ to select the [Network] option, and then press OK.
- 3. Press ▲ or ▼ to select the [WLAN(Wi-Fi)] option, and then press OK.
- 4. Press ▲ or ▼ to select the [Find Network] option, and then press OK.

- 5. When [WLAN Enable?] appears, select On.
 - This will start the wireless setup wizard.
- 6. The machine will search for your network and display a list of available SSIDs. When a list of SSIDs appears, press ▲ or ▼ to select the SSID you want.
- 7. Press OK.
- 8. 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.
 - Enter the key, and then press **OK** to apply your settings.
 - To apply the settings, select [Yes].
 - If your authentication method is Open System and your encryption mode is None, go to the next step.
- 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 the drivers and software necessary to use your machine, go to your model's **Downloads** page at support.brother.com/downloads.

HL-L6410DN/HL-L6415DN

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 (Password)

For example:

Network Name (SSID)

HELLO

Network Key (Password)

12345



- Your access point/router may support the use of multiple WEP keys, but your Brother machine supports
 the use of only the first WEP key.
- If you need assistance during setup and want to contact Brother customer service, make sure you have your SSID (Network Name) and Network Key (Password) 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?

- Check the documentation provided with your wireless access point/router.
- The initial SSID could be the manufacturer's name or the model name.
- If you do not know the security information, consult the router manufacturer, your system administrator, or your Internet provider.
- 2. Press [Settings] > [All Settings] > [Network] > [WLAN(Wi-Fi)] > [Find Wi-Fi Network].

- 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.
 - If a list of SSIDs is displayed, 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 [Connected]. Press [OK].

You have completed the wireless network setup. To install the drivers or the application necessary for operating your machine, go to your model's **Downloads** page at support.brother.com/downloads.

4

Related Information

· Use the Wireless Network

Related Topics:

- · How to Enter Text on Your Machine
- · Wireless LAN Report Error Codes

Home > Network > Wireless Network Settings > Use the 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)

Related Models: HL-L5210DW/HL-L6210DW/HL-L6410DN/HL-L6415DN

NOTE

(HL-L6410DN/HL-L6415DN)

The wireless network connection can be used only when the optional Wireless Module is installed.

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.

>> HL-L5210DW/HL-L6210DW

>> HL-L6410DN/HL-L6415DN

- HL-L5210DW/HL-L6210DW
- Press A or V to select the [Network] option, and then press OK.
- 2. Press ▲ or ▼ to select the [WLAN (Wi-Fi)] option, and then press OK.
- 3. Press ▲ or ▼ to select the [WPS/Push Button] option, and then press OK.
- 4. When [WLAN Enable?] appears, select On.

This will start the wireless setup wizard.

If your wireless device is connected successfully, the machine's LCD displays [Connected].

You have completed the wireless network setup. To install the drivers and software necessary to use your machine, go to your model's **Downloads** page at support.brother.com/downloads.

HL-L6410DN/HL-L6415DN

- 1. Press | [Settings] > [All Settings] > [Network] > [WLAN(Wi-Fi)] > [WPS/Push Button].
- 2. 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]. Press [OK].

You have completed the wireless network setup. To install the drivers and software necessary to use your machine, go to your model's **Downloads** page at support.brother.com/downloads.

4

Related Information

· Use the Wireless Network

Related Topics:

· Wireless LAN Report Error Codes

Home > Network > Wireless Network Settings > Use the Wireless Network > 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 PIN Method of Wi-Fi Protected Setup[™] (WPS)

Related Models: HL-L5210DW/HL-L6210DW/HL-L6410DN/HL-L6415DN

NOTE

(HL-L6410DN/HL-L6415DN)

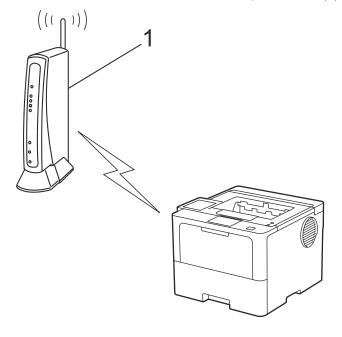
The wireless network connection can be used only when the optional Wireless Module is installed.

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.

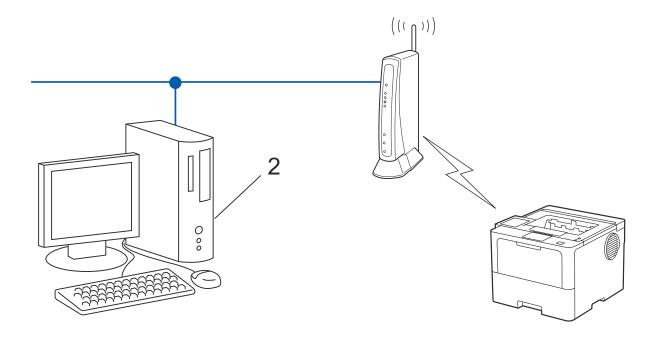
Type A

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:



- >> HL-L5210DW/HL-L6210DW
- >> HL-L6410DN/HL-L6415DN

HL-L5210DW/HL-L6210DW

- 1. Press ▲ or ▼ to select the [Network] option, and then press OK.
- 2. Press ▲ or ▼ to select the [WLAN(Wi-Fi)] option, and then press OK.
- 3. Press ▲ or ▼ to select the [WPS/PIN Code] option, and then press OK.
- 4. When [WLAN Enable?] appears, select On.
 - This will start the wireless setup wizard.
- 5. The LCD displays an eight-digit PIN and the machine starts searching for a wireless LAN access point/router.
- 6. 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).
- 7. 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 may 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 10 or Windows 11 computer as a Registrar, complete the following steps:

- 8. Do one of the following:
 - Windows 11
 - Click > All apps > Windows Tools > Control Panel. In the Hardware and Sound group, click Add a device.
 - Windows 10
 - Click = > Windows System > Control Panel. In the Hardware and Sound group, click Add a device.



- To use a Windows 10 or Windows 11 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 10 or Windows 11 as a Registrar, you can install the printer driver after the wireless configuration by following the on-screen instructions. To install the driver and software necessary to use your machine, go to your model's **Downloads** page at support.brother.com/downloads.

- 9. Select your machine and click Next.
- 10. Type the PIN displayed on the machine's LCD, and then click Next.
- 11. Click Close.

If your wireless device is connected successfully, the machine's LCD displays [Connected].

You have completed the wireless network setup. To install the drivers and software necessary to use your machine, go to your model's **Downloads** page at support.brother.com/downloads.

HL-L6410DN/HL-L6415DN

- 1. Press 🕌 [Settings] > [All Settings] > [Network] > [WLAN(Wi-Fi)] > [WPS/PIN Code].
- 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 may 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 10 or Windows 11 computer as a Registrar, complete the following steps:

- 6. Do one of the following:
 - Windows 11
 - Click All apps > Windows Tools > Control Panel. In the Hardware and Sound group, click Add a device.
 - Windows 10
 - Click = > Windows System > Control Panel. In the Hardware and Sound group, click Add a device.



- To use a Windows 10 or Windows 11 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/
- If you use Windows 10 or Windows 11 as a Registrar, you can install the printer driver after the wireless
 configuration by following the on-screen instructions. To install the driver and software necessary to use
 your machine, go to your model's **Downloads** page at <u>support.brother.com/downloads</u>.
- 7. Select your machine and click Next.
- 8. Type the PIN displayed on the machine's LCD, and then click **Next**.
- 9. Click Close.

If your wireless device is connected successfully, the machine's LCD displays [Connected]. Press [OK].

You have completed the wireless network setup. To install the drivers or the application necessary for operating your machine, go to your model's **Downloads** page at support.brother.com/downloads.



Related Information

Use the Wireless Network

Related Topics:

· Wireless LAN Report Error Codes

■ Home > Network > Wireless Network Settings > Use the Wireless Network > Configure Your Machine for a Wireless Network When the SSID Is Not Broadcast

Configure Your Machine for a Wireless Network When the SSID Is Not Broadcast

Related Models: HL-L5210DW/HL-L6210DW/HL-L6410DN/HL-L6415DN

NOTE

(HL-L6410DN/HL-L6415DN)

The wireless network connection can be used only when the optional Wireless Module is installed.

- >> HL-L5210DW/HL-L6210DW
- >> HL-L6410DN/HL-L6415DN

HL-L5210DW/HL-L6210DW

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.

Authentication Method	Encryption Mode	Network Key
Open System	NONE	-
	WEP	
Shared Key	WEP	
WPA/WPA2-PSK	AES	
	TKIP	
WPA3-SAE	AES	

For example:

Network	Name	(SSID)
---------	------	--------

HELLO

Authentication Method	Encryption Mode	Network Key
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 ▲ or ▼ to select the [Network] option, and then press OK.
- 3. Press ▲ or ▼ to select the [WLAN(Wi-Fi)] option, and then press OK.
- 4. Press ▲ or ▼ to select the [Find Network] option, and then press OK.
- 5. When [WLAN Enable?] appears, select On.
 - This will start the wireless setup wizard.
- 6. The machine will search for your network and display a list of available SSIDs. Press ▲ or ▼ to select the [<New SSID>] option, and then press **OK**.

- 7. Enter the SSID name, and then press **OK**.
- 8. Press **▲** or **▼** to select the Authentication Method you want, and then press **OK**.
- 9. Do one of the following:
 - If you selected the [Open System] option, press ▲ or ▼ to select the Encryption Type [None] or [WEP], and then press OK.

If you selected the [WEP] option for Encryption Type, enter the WEP key, and then press **OK**.

- If you selected the [Shared Key] option, enter the WEP key, and then press OK.
- If you selected the [WPA-Personal] option, press ▲ or ▼ to select the Encryption Type [TKIP+AES] or [AES], and then press OK.

Enter the WPA[™] key, and then press **OK**.

• If you selected the [WPA3-SAE] option, press ▲ or ▼ to select the Encryption Type [AES], and then press OK.

Enter the WPA[™] key, and then press **OK**.



Your Brother machine supports the use of the first WEP key only.

- 10. To apply the settings, select [Yes].
- 11. The machine will attempt 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 the drivers and software necessary to use your machine, go to your model's **Downloads** page at support.brother.com/downloads.

HL-L6410DN/HL-L6415DN

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)

Authentication Method	Encryption Mode	Network Key
Open System	NONE	-
	WEP	
Shared Key	WEP	
WPA/WPA2-PSK	AES	
	TKIP	
WPA3-SAE	AES	

For example:

Network Name (SSID)

HELLO

Authentication Method	Encryption Mode	Network Key
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(Wi-Fi)] > [Find Wi-Fi Network].
- 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. Press ▲ or ▼ to display the [<New SSID>] option.
- 5. Press [<New SSID>], and then press [OK].
- 6. Enter the SSID name, and then press [OK].
- 7. Select the Authentication Method.
- 8. Do one of the following:
 - If you selected the [Open System] option, press [None] or [WEP].

 If you selected the [WEP] option for Encryption type, enter the WEP key, and then press [OK].
 - If you selected the [Shared Key] option, enter the WEP key, and then press [OK].
 - If you selected the [WPA/WPA2-PSK] option, press [TKIP+AES] or [AES].

Enter the WPA[™] key, and then press [OK].

If you selected the [WPA3-SAE] option, press [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 [Connected]. Press [OK].

You have completed the wireless network setup. To install the drivers or the application necessary for operating your machine, go to your model's **Downloads** page at support.brother.com/downloads.

Related Information

· Use the Wireless Network

Related Topics:

- I Cannot Complete the Wireless Network Setup Configuration
- · How to Enter Text on Your Machine
- Wireless LAN Report Error Codes

Configure Your Machine for an Enterprise Wireless Network

Related Models: HL-L5210DW/HL-L6210DW/HL-L6410DN/HL-L6415DN

NOTE

(HL-L6410DN/HL-L6415DN)

The wireless network connection can be used only when the optional Wireless Module is installed.

- >> HL-L5210DW/HL-L6210DW
- >> HL-L6410DN/HL-L6415DN

HL-L5210DW/HL-L6210DW

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)

Authentication Method	Encryption Mode	User ID	Password
EAP-FAST/NONE	AES		
	TKIP		
EAP-FAST/MS-CHAPv2	AES		
	TKIP		
EAP-FAST/GTC	AES		
	TKIP		
PEAP/MS-CHAPv2	AES		
	TKIP		
PEAP/GTC	AES		
	TKIP		
EAP-TTLS/CHAP	AES		
	TKIP		
EAP-TTLS/MS-CHAP	AES		
	TKIP		
EAP-TTLS/MS-CHAPv2	AES		
	TKIP		
EAP-TTLS/PAP	AES		
	TKIP		
EAP-TLS	AES		-
	TKIP		-

For example:

Network Name (SSID)

HELLO

Authentication Method	Encryption Mode	User ID	Password
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 ▲ or ▼ to select the [Network] option, and then press OK.
- 3. Press ▲ or ▼ to select the [WLAN(Wi-Fi)] option, and then press OK.
- 4. Press ▲ or ▼ to select the [Find Network] option, and then press OK.
- 5. When [WLAN Enable?] appears, select On.

This will start the wireless setup wizard.

- 6. The machine will search for your network and display a list of available SSIDs. Press ▲ or ▼ to select the [<New SSID>] option, and then press **OK**.
- 7. Enter the SSID name, and then press **OK**.
- 8. Press ▲ or ▼ to select the Authentication Method you want, and then press OK.
- 9. Do one of the following:
 - If you selected the [EAP-FAST], [PEAP] or [EAP-TTLS] option, press ▲ or ▼ to select the Inner Authentication Method [NONE], [CHAP], [MS-CHAP], [MS-CHAPv2], [PAP] or [GTC], and then press OK.



Depending on your Authentication Method, the Inner Authentication Method selections differ.

Press ▲ or ▼ to select the Encryption Type [TKIP+AES] or [AES], and then press OK.

Press \blacktriangle or \blacktriangledown to select the Verification Method [No Verification], [CA] or [CA+Server ID], and then press OK.

- 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 the Password, and then press **OK** for each option.



If you have not imported a CA certificate into your machine, the machine will display the message [No Verification].

• If you selected the [EAP-TLS] option, press ▲ or ▼ to select the Encryption Type [TKIP+AES] or [AES], and then press OK.

When the machine displays a list of available Client Certificates, select the certificate you want.

Press \blacktriangle or \blacktriangledown to select the Verification Method [No Verification], [CA] or [CA+Server ID], and then press OK.

- 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.
- 10. To apply the settings, press **▲**. To cancel, press **▼**.
- 11. The machine will attempt 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 the drivers or the application necessary for operating your machine, go to your model's **Downloads** page at support.brother.com/downloads.

HL-L6410DN/HL-L6415DN

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)
---------	------	--------

Authentication Method	Encryption Mode	User ID	Password
EAP-FAST/NONE	AES		
	TKIP		
EAP-FAST/MS-CHAPv2	AES		
	TKIP		
EAP-FAST/GTC	AES		
	TKIP		
PEAP/MS-CHAPv2	AES		
	TKIP		
PEAP/GTC	AES		
	TKIP		
EAP-TTLS/CHAP	AES		
	TKIP		
EAP-TTLS/MS-CHAP	AES		
	TKIP		
EAP-TTLS/MS-CHAPv2	AES		
	TKIP		
EAP-TTLS/PAP	AES		
	TKIP		
EAP-TLS	AES		-
	TKIP		-

For example:

|--|

HELLO

Authentication Method	Encryption Mode	User ID	Password
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.

- Press [Settings] > [All Settings] > [Network] > [WLAN(Wi-Fi)] > [Find Wi-Fi Network].
- 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. Press ▲ or ▼ to display the [<New SSID>] option.
- 5. Press [<New SSID>], and then press [OK].
- 6. Enter the SSID name, and then press [OK].
- 7. Select the Authentication Method.
- 8. Do one of the following:
 - If you selected the [EAP-FAST], [PEAP] or [EAP-TTLS] option, press ▲ or ▼ to select the Inner Authentication Method [NONE], [CHAP], [MS-CHAP], [MS-CHAPv2], [GTC] or [PAP].



Depending on your Authentication Method, the Inner Authentication Method selections may 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-TTLS] option, select the Encryption Type [TKIP+AES] or [AES].

 When the machine displays a list of available Client Certificates, select the certificate you want.
 - 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].
- 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]. Press [OK].

You have completed the wireless network setup. To install the drivers or the application necessary for operating your machine, go to your model's **Downloads** page at support.brother.com/downloads.



Related Information

· Use the Wireless Network

Related Topics:

· Wireless LAN Report Error Codes

Use Wi-Fi Direct®

Related Models: HL-L5210DW/HL-L6210DW/HL-L6410DN/HL-L6415DN

- Wi-Fi Direct Overview
- Configure Your Wi-Fi Direct Network Manually
- Configure Wi-Fi Direct Network Using the Push Button Method

Wi-Fi Direct Overview

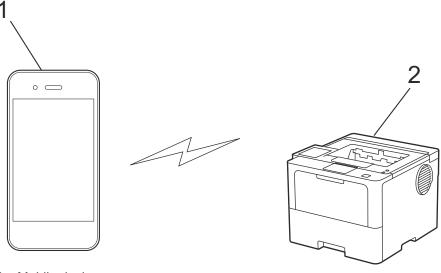
Related Models: HL-L5210DW/HL-L6210DW/HL-L6410DN/HL-L6415DN

NOTE

(HL-L6410DN/HL-L6415DN)

The wireless network connection can be used only when the optional Wireless Module is installed.

Wi-Fi Direct is one of the wireless configuration methods developed by the Wi-Fi Alliance[®]. It allows you to securely connect your mobile device to your machine without using a wireless router/access point.



- 1. Mobile device
- 2. Your machine



- You can use Wi-Fi Direct with either the wired or wireless network connection at the same time.
- The Wi-Fi Direct-supported device can become a Group Owner. When configuring the Wi-Fi Direct network, the Group Owner serves as an access point.

Related Information

• Use Wi-Fi Direct®

- · Configure Your Wi-Fi Direct Network Manually
- · Configure Wi-Fi Direct Network Using the Push Button Method

■ Home > Network > Wireless Network Settings > Use Wi-Fi Direct[®] > Configure Your Wi-Fi Direct Network Manually

Configure Your Wi-Fi Direct Network Manually

Related Models: HL-L5210DW/HL-L6210DW/HL-L6410DN/HL-L6415DN

NOTE

(HL-L6410DN/HL-L6415DN)

The wireless network connection can be used only when the optional Wireless Module is installed.

- >> HL-L5210DW/HL-L6210DW
- >> HL-L6410DN/HL-L6415DN

HL-L5210DW/HL-L6210DW

If your mobile device does not support Wi-Fi Direct or WPS, you must configure a Wi-Fi Direct network manually.

- 1. Press ▲ or ▼ to select the [Network] option, and then press OK.
- 2. Press ▲ or ▼ to select the [Wi-Fi Direct] option, and then press OK.
- 3. Press ▲ or ▼ to select the [Manual] option, and then press OK.
- 4. When [Wi-Fi Direct On?] appears, select On.
- 5. The machine will display the SSID name and Password. Go to your mobile device's wireless network settings screen, select the SSID name, and then enter the password.
- 6. If your mobile device connects successfully, the machine's LCD displays [Connected]. You have completed the Wi-Fi Direct network setup.

HL-L6410DN/HL-L6415DN

Configure the Wi-Fi Direct settings from the machine's control panel:



When the machine receives a Wi-Fi Direct request from your mobile device, the message [Wi-Fi Direct connection request received. Press [OK] to connect.] appears on the LCD. Press [OK] to connect.

- 2. The machine will display the SSID (Network Name) and Password (Network Key). Go to your mobile device's wireless network settings screen, select the SSID, and then enter the password.
- 3. When your mobile device connects successfully, the machine's LCD displays [Connected].
- 4. Press [Close].

Related Information

Use Wi-Fi Direct[®]

- · Wi-Fi Direct Overview
- Configure Wi-Fi Direct Network Using the Push Button Method

Configure Wi-Fi Direct Network Using the Push Button Method

Related Models: HL-L5210DW/HL-L6210DW/HL-L6410DN/HL-L6415DN

NOTE

(HL-L6410DN/HL-L6415DN)

The wireless network connection can be used only when the optional Wireless Module is installed.

- >> HL-L5210DW/HL-L6210DW
- >> HL-L6410DN/HL-L6415DN

HL-L5210DW/HL-L6210DW

If your mobile device supports Wi-Fi Direct, follow these steps to configure a Wi-Fi Direct network:

- 1. Press ▲ or ▼ to select the [Network] option, and then press OK.
- 2. Press ▲ or ▼ to select the [Wi-Fi Direct] option, and then press OK.
- 3. Press ▲ or ▼ to select the [Push Button] option, and then press OK.
- 4. When [Wi-Fi Direct On?] appears, select On.



If your mobile device does not support Wi-Fi Direct, do the following:

- a. Press ▲ or ▼ to select the [Network] option, and then press OK.
- b. Press ▲ or ▼ to select the [Wi-Fi Direct] option, and then press OK.
- c. Press ▲ or ▼ to select the [Group Owner] option, and then press OK.
- d. Press **∆** or **▼** to select the [On] option, and then press **OK**.
- e. Press ▲ or ▼ to select the [Push Button] option, and then press OK.
- 5. 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 and press OK.] appears on the machine's LCD. Press **OK** on your machine.

This will start the Wi-Fi Direct setup.

- 6. Do one of the following:
 - If your mobile device displays a list of machines with Wi-Fi Direct enabled, select your Brother machine.
 - If your Brother machine displays a list of mobile devices with Wi-Fi Direct enabled, select your mobile device. Press ▲ or ▼ to select the mobile device you want to connect to and press **OK**. To search for available devices again, select [<Rescan>], and then press **OK**.
- 7. If your mobile device connects successfully, the machine's LCD displays [Connected]. You have completed the Wi-Fi Direct network setup.

HL-L6410DN/HL-L6415DN



When the machine receives a Wi-Fi Direct request from your mobile device, the message [Wi-Fi Direct connection request received. Press [OK] to connect.] appears on the LCD. Press [OK] to connect.

1. Press [Settings] > [All Settings] > [Network] > [Wi-Fi Direct] > [Push Button] on your machine's LCD.



If your mobile device does not support Wi-Fi Direct, do the following:

- a. Press [Settings] > [All Settings] > [Network] > [Wi-Fi Direct] > [Group Owner],
 and then press [On].
- b. Press ▲ or ▼ to select the [Push Button].
- 2. When the [Activate Wi-Fi Direct on other device. Then Press [OK].] message appears, turn your mobile device's Wi-Fi Direct function on (for more information, see your mobile device's user's guide). Press [OK] on your machine.
- 3. Do one of the following:
 - If your mobile device displays a list of machines with Wi-Fi Direct enabled, select your Brother machine.
 - If your Brother machine displays a list of mobile devices with Wi-Fi Direct enabled, select your mobile device. To search for available devices again, press [Rescan].
- 4. When your mobile device connects successfully, the machine's LCD displays [Connected].
- 5. Press [Close].

✓

Related Information

Use Wi-Fi Direct[®]

- · Wi-Fi Direct Overview
- Configure Your Wi-Fi Direct Network Manually

Enable/Disable Wireless LAN

Related Models: HL-L5210DW/HL-L6210DW/HL-L6410DN/HL-L6415DN

NOTE

(HL-L6410DN/HL-L6415DN)

The wireless network connection can be used only when the optional Wireless Module is installed.

>> HL-L5210DW/HL-L6210DW >> HL-L6410DN/HL-L6415DN

HL-L5210DW/HL-L6210DW

- 1. Press ▲ or ▼ to select the [Network] option, and then press OK.
- 2. Press ▲ or ▼ to select the [WLAN(Wi-Fi)] option, and then press OK.
- 3. Press ▲ or ▼ to select the [WLAN Enable] option, and then press OK.
- 4. Do one of the following:
 - To enable Wi-Fi, select [On].
 - To disable Wi-Fi, select [Off].
- 5. Press OK.

HL-L6410DN/HL-L6415DN

- 1. Press [Settings] > [All Settings] > [Network] > [WLAN(Wi-Fi)].
- 2. Press ▲ or ▼ to select the [WLAN Enable] option. Press [WLAN Enable].
- 3. Do one of the following:
 - To enable Wi-Fi, select [On].
 - To disable Wi-Fi, select [Off].
- 4. Press

Related Information

Wireless Network Settings

Print the WLAN Report

Related Models: HL-L5210DW/HL-L6210DW/HL-L6410DN/HL-L6415DN

NOTE

(HL-L6410DN/HL-L6415DN)

The wireless network connection can be used only when the optional Wireless Module is installed.

The WLAN Report shows your machine's wireless status. If the wireless connection fails, check the error code on the printed report.

- >> HL-L5210DW/HL-L6210DW
- >> HL-L6410DN/HL-L6415DN

HL-L5210DW/HL-L6210DW

- 1. Press ▲ or ▼ to select the [Print Reports] option, and then press OK.
- Press ▲ or ▼ to select the [WLAN Report] option, and then press OK.
- 3. Press Go.

The machine will print the WLAN Report.

HL-L6410DN/HL-L6415DN

- 1. Press | [Settings] > [All Settings] > [Print Reports] > [WLAN Report].
- 2. Press [Yes].
- 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.

Related Information

- · Wireless Network Settings
 - · Wireless LAN Report Error Codes

- · My Machine Cannot Print over the Network
- I Want to Check that My Network Devices are Working Correctly

Wireless LAN Report Error Codes

Related Models: HL-L5210DW/HL-L6210DW/HL-L6410DN/HL-L6415DN

NOTE

For certain models, the wireless network connection can be used only when the optional Wireless Module is installed.

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 WLAN (Wi-Fi) is not enabled.	
	Check the following points and try to set up your wireless connection again:	
	Enable the WLAN setting on your machine.	
	If a network cable is connected to your machine, disconnect it.	
TS-02	The wireless router/access point cannot be detected.	
	Check the following points and try to set up your wireless connection again:	
	Make sure the wireless router/access point is on.	
	Temporarily place your machine closer to the wireless router/access point when you are configuring the wireless settings.	
	 If your wireless router/access point is using MAC address filtering, confirm that the MAC address of the machine is allowed in the filter. You can find the MAC address by printing the Network Configuration Report. 	
	• If you manually entered the Network Name (SSID) and security information (authentication method/encryption method), the information may be incorrect. Check the Network Name and security information again and re-enter the correct information.	
	 Restart your wireless router/access point. If you cannot find the Network Name (SSID) and security information, see the documentation provided with your wireless router/access point, or contact the router manufacturer, your system administrator, or Internet service provider. 	
TS-03	The wireless enterprise network and security settings you entered may be incorrect.	
	Check the following points and try to set up your wireless connection again:	
	Verify the following information:	
	- Network Name (SSID) you selected to configure your machine.	
	 Security information you selected to configure your machine (such as the authentication method, encryption method, or User ID). 	
	If you still cannot find the Network Name (SSID) and security information, see the documentation provided with your wireless router/access point, or contact the router manufacturer, your system administrator, or Internet service provider.	

Error Code	Problem and Recommended Solutions
TS-04	Your machine does not support the authentication and encryption methods used by the selected wireless router/access point.
	For infrastructure mode (Most common)
	Change the authentication and encryption methods of the wireless router/access point. Your machine supports the following authentication and encryption methods:
	WPA-Personal:
	TKIP / AES
	WPA2-Personal:
	TKIP / AES
	WPA3-Personal:
	AES
	OPEN:
	WEP / NONE (without encryption)
	Shared key: WEP
	If your issue is not solved, the Network Name (SSID) or security settings you entered may be incorrect. Check that all wireless network settings are correct for your network.
TS-05	The Network Name (SSID) and Network Key (Password) are incorrect.
	Check the following points and try to set up your wireless connection again:
	Confirm the Network Name (SSID) and Network Key (Password).
	If your Network Key contains upper-case and lower-case letters, make sure you type them correctly.
	• If you cannot find the Network Name (SSID) and security information, see the documentation provided with your wireless router/access point, or contact the router manufacturer, your system administrator, or Internet service provider.
	If your wireless router/access point uses WEP encryption with multiple WEP keys, write down and use only the first WEP key.
TS-06	The wireless security information (authentication method/encryption method/Network Key (Password)) is incorrect.
	Check the following points and try to set up your wireless connection again:
	Confirm the Network Key. If your Network Key contains upper-case and lower-case letters, make sure you type them correctly.
	Confirm whether the authentication method entered and the authentication method or encryption method supported by the wireless router/access point are the same.
	If the network key, authentication method, and encryption method have been confirmed, restart your wireless router/access point and the machine.
	If your wireless router/access point's Stealth Mode is on, you may need to disable it to connect to the wireless network.
	If you cannot find the Network Name (SSID) and security information, see the documentation provided with your wireless router/access point, or contact the router manufacturer, your system administrator, or Internet service provider.
TS-07	The machine cannot detect a wireless router/access point that has WPS (Wi-Fi Protected Setup) enabled.
	Check the following points and try again:
	To check if your wireless router/access point supports WPS, look for the WPS symbol displayed on the router/access point. For more information, see the documentation provided with your wireless router/access point.
	To set up your wireless connection using WPS, you must configure both your machine and the wireless router/access point. For more information, see the user's guide.
	If you do not know how to set up your wireless router/access point using WPS, see the documentation provided with your wireless router/access point, or contact the router manufacturer, your system administrator, or Internet service provider.

Error Code	Problem and Recommended Solutions	
TS-08	Two or more wireless routers or access points that have WPS enabled are detected.	
	Check the following points and try again:	
	Make sure that only one wireless router/access point within range has WPS enabled, and then try to connect again.	
	Try to connect again after a few minutes to avoid interference from other access points/ routers.	



How to confirm wireless security information (SSID/authentication method/encryption method/Network Key) of your WLAN access point/router:

- The default security settings may be provided on a label attached to the WLAN access point/router. Or the manufacturer's name or model number of the WLAN access point/router may be used as the default security settings.
- 2. See the documentation provided with your WLAN access point/router for information on how to find the security settings.
- If the WLAN access point/router is set to not broadcast the SSID, the SSID will not automatically be detected. You will have to manually enter the SSID name.
- The Network key may also be described as the Password, Security Key, or Encryption Key.

If you do not know the SSID and wireless security settings of your WLAN access point/router or how to change the configuration, see the documentation provided with your WLAN access point/router, ask the manufacturer of your access point/router or ask your Internet provider or network administrator.

1

Related Information

· Print the WLAN Report

- My Machine Cannot Print 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

Network Features

- Enable/Disable Web Based Management Using the Control Panel
- Configure the Proxy Server Settings Using Web Based Management
- Print the Network Configuration Report
- Synchronise Time with the SNTP Server Using Web Based Management
- Gigabit Ethernet (Wired Network Only)
- · Reset the Network Settings to the Factory Settings

▲ Home > Network > Network Features > Enable/Disable Web Based Management Using the Control Panel

Enable/Disable Web Based Management Using the Control Panel

- >> HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW
- >> HL-L6410DN/HL-L6415DN

HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW

- 1. Press ▲ or ▼ to select the [Network] option, and then press OK.
- 2. Press ▲ or ▼ to select the [Web Based Mgmt] option, and then press OK.
- 3. Press ▲ or ▼ to select the option you want, and then press **OK**.



If you enable this function, make sure you specify the method of connecting to Web Based Management.

HL-L6410DN/HL-L6415DN

- 1. Press [Settings] > [All Settings] > [Network] > [Web Based Mgmt].
- 2. Press to select the option you want.



If you enable this function, make sure you specify the method of connecting to Web Based Management.

Related Information

· Network Features

Related Topics:

· Print an Email Attachment

■ Home > Network > Network Features > Configure the Proxy Server Settings Using Web Based Management

Configure the Proxy Server Settings Using Web Based Management

Related Models: HL-L6410DN/HL-L6415DN

If your network uses a proxy server, the following proxy server information must be configured using Web Based Management:

- · Proxy server address
- Port number
- User Name
- Password



- We recommend using the latest version of the following web browsers:
 - Microsoft Edge, Firefox, and Google Chrome[™] for Windows
 - Safari, Firefox, and Google Chrome[™] for Mac
 - Google Chrome[™] for Android[™]
 - Safari and Google Chrome[™] for iOS
- Ensure that JavaScript and Cookies are always enabled, regardless of which browser you use.
- 1. Start your web browser.
- 2. Type "https://machine's IP address" in your browser's address bar (where "machine's IP address" is your machine's IP address).

For example:

https://192.168.1.2

3. If required, type the password in the Login field, and then click Login.



The default password to manage this machine's settings is located on the back of the machine and marked "**Pwd**".

4. Go to the navigation menu, and then click **Network > Network > Protocol**.



Start from =, if the navigation menu is not shown on the left side of the screen.

- 5. Make sure the **Proxy** checkbox is selected, and then click **Submit**.
- 6. In the Proxy field, click Advanced Settings.
- 7. Enter the proxy server information.
- 8. Click Submit.



Related Information

Network Features

- Register Your Machine with Universal Print Using Web Based Management
- Configure the Proxy Server Settings Using the Machine's Control Panel

▲ Home > Network > 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.



- The Node Name appears on the Network Configuration Report. The default Node Name is "BRN123456abcdef" for a wired network or "BRW123456abcdef" for a wireless network (where "123456abcdef" 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: 192.168.0.5Subnet mask: 255.255.255.0

Node name: BRN000ca0000499
 MAC Address: 00-0c-a0-00-04-99

>> HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW

>> HL-L6410DN/HL-L6415DN

HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW

- 1. Press ▲ or ▼ to select the [Print Reports] option, and then press OK.
- 2. Press ▲ or ▼ to select [Network Config].
- 3. Press OK.
- 4. Press Go.

HL-L6410DN/HL-L6415DN

- 1. Press [Settings] > [All Settings] > [Print Reports] > [Network Configuration].
- 2. Press [Yes].
- 3. Press

Related Information

Network Features

- Check Your Machine's Network Settings
- Use the Network Connection Repair Tool (Windows)
- Access Web Based Management
- Error Messages
- · I Want to Check that My Network Devices are Working Correctly
- · Configure the Gigabit Ethernet Settings Using Web Based Management

Synchronise Time with the SNTP Server Using Web Based Management

The Simple Network Time Protocol (SNTP) is used to synchronise the time used by the machine for authentication with the SNTP time server. You can automatically or manually synchronise 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

■ Home > Network > Network Features > Synchronise 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 synchronise 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 "https://machine's IP address" in your browser's address bar (where "machine's IP address" is your machine's IP address).

For example:

https://192.168.1.2

3. If required, type the password in the **Login** field, and then click **Login**.



The default password to manage this machine's settings is located on the back of the machine and marked "**Pwd**".

4. Go to the navigation menu, and then click **Administrator > Date&Time**.



Start from =, if the navigation menu is not shown on the left side of the screen.

5. Verify the **Time Zone** settings.



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. Click Submit.

Related Information

Synchronise Time with the SNTP Server Using Web Based Management

- · Register Your Machine with Universal Print Using Web Based Management
- · Error Messages When Using the Brother Web Connect Feature

■ Home > Network > Network Features > Synchronise 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 synchronise the time the machine uses for authentication with the time kept by the SNTP time server.

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

For example:

https://192.168.1.2

3. If required, type the password in the **Login** field, and then click **Login**.



The default password to manage this machine's settings is located on the back of the machine and marked "**Pwd**".

4. Go to the navigation menu, and then click **Network > Network > Protocol**.



Start from =, if the navigation menu is not shown on the left side of the screen.

- 5. Select the **SNTP** checkbox to activate the settings.
- 6. Click Submit.
- 7. Restart your Brother machine to activate the configuration.
- 8. Next to the SNTP checkbox, click **Advanced Settings**.
- 9. Configure the settings.

Option	Description
Status	Displays whether the SNTP protocol is enabled or disabled.
Synchronization Status	Confirm the latest synchronisation 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.
Primary SNTP Server Address	Type the server address (up to 64 characters).
Secondary SNTP Server Address	The secondary SNTP server address is used as a backup to the primary 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 synchronisation attempts (1-168 hours).

10. Click Submit.



Related Information

· Synchronise Time with the SNTP Server Using Web Based Management

■ Home > Network > Network Features > 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 Category 5e (or greater) network cable. The machine can automatically negotiate the highest supported network speed, for example: to achieve 1000BASE-T network speeds, all connecting infrastructure, including network switches and cables must also support 1000BASE-T speeds. Otherwise the machine will communicate at either 10BASE-T or 100BASE-TX.

Relat

Related Information

- Network Features
 - · Configure the Gigabit Ethernet Settings Using Web Based Management

■ Home > Network > Network Features > 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 "https://machine's IP address" in your browser's address bar (where "machine's IP address" is your machine's IP address).

For example:

https://192.168.1.2

3. If required, type the password in the **Login** field, and then click **Login**.



The default password to manage this machine's settings is located on the back of the machine and marked "Pwd".

4. Go to the navigation menu, and then click **Network > Wired > Ethernet**.



Start from =, if the navigation menu is not shown on the left side of the screen.

- 5. Select Auto from the Ethernet Mode drop-down list.
- 6. Click Submit.
- 7. To enable the settings, restart your machine.

You can confirm your settings by printing the Network Configuration Report.

4

Related Information

• Gigabit Ethernet (Wired Network Only)

Related Topics:

· Print the Network Configuration Report

■ Home > Network > Network Features > 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 machine's network settings to its default factory settings. This resets all information, such as the password and IP address.



- This feature restores all network settings to the factory settings.
- · You can also reset the print server to its factory settings using Web Based Management.
- >> HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW
- >> HL-L6410DN/HL-L6415DN

HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW

- 1. Press ▲ or ▼ to select the [Network] option, and then press OK.
- 2. Press ▲ or ▼ to select the [Network Reset] option, and then press OK.
- Follow the machine's instruction to reset the network settings.
 The machine will restart.

HL-L6410DN/HL-L6415DN

- 1. Press | [Settings] > [All Settings] > [Network] > [Network Reset].
- 2. [Reboot OK?] appears. Press [Yes] for two seconds to confirm. The machine will restart.

Related Information

· Network Features

Related Topics:

Reset Functions

■ Home > Security

Security

- Before Using Network Security Features
- · Configure Certificates for Device Security
- Use SSL/TLS
- Use SNMPv3
- Use IPsec
- Use IEEE 802.1x Authentication for a Wired or a Wireless Network
- Use Active Directory Authentication
- Use LDAP Authentication
- Use Secure Function Lock 3.0
- Send an Email Securely
- Store Print Log to Network
- · Lock the Machine Settings from the Control Panel
- Use Global Network Detection Features

■ Home > Security > Before Using Network Security Features

Before Using Network Security Features

Your 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.

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Related Information

- Security
- Network Security
 - · Disable Unnecessary Protocols

▲ Home > Security > Before Using Network Security Features > Disable Unnecessary Protocols

Disable Unnecessary Protocols

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

For example:

https://192.168.1.2

3. If required, type the password in the **Login** field, and then click **Login**.



The default password to manage this machine's settings is located on the back of the machine and marked "**Pwd**".

4. Go to the navigation menu, and then click **Network > Network > Protocol**.



Start from \equiv , if the navigation menu is not shown on the left side of the screen.

- 5. Clear any unnecessary protocol checkboxes to disable them.
- 6. Click Submit.
- 7. Restart your Brother machine to activate the configuration.

Related Information

· Before Using Network Security Features

▲ Home > Security > Configure Certificates for Device Security

Configure Certificates for Device Security

You must configure a certificate to manage your networked machine securely using SSL/TLS. You must use Web Based Management to configure a certificate.

- Supported Security Certificate Features
- Step by Step Guide for Creating and Installing a Certificate
- Create a Self-signed Certificate
- Create CSR and Install a Certificate from a Certificate Authority (CA)
- Import and Export the Certificate and Private Key
- Import and Export a CA Certificate
- Manage Multiple Certificates

Supported Security Certificate Features

Your 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
- IEEE 802.1x authentication
- IPsec

Your 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 protects your communication up to a certain level. 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

Configure Certificates for Device Security

 ★ Home > Security > Configure Certificates for Device Security > 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).

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

· Configure Certificates for Device Security

▲ Home > Security > Configure Certificates for Device Security > Create a Self-signed Certificate

Create a Self-signed Certificate

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

For example:

https://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: https://SharedPrinter

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

For example: https://brn123456abcdef

- The NetBIOS name can be found in the Network Configuration Report.
- 3. If required, type the password in the **Login** field, and then click **Login**.



The default password to manage this machine's settings is located on the back of the machine and marked "**Pwd**".

4. Go to the navigation menu, and then click **Network > Security > Certificate**.



Start from \equiv , if the navigation menu is not shown on the left side of the screen.

- 5. Click Create Self-Signed Certificate.
- 6. 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.
- 7. Select your setting from the Public Key Algorithm drop-down list. The default setting is RSA(2048bit).
- 8. Select your setting from the **Digest Algorithm** drop-down list. The default setting is **SHA256**.
- 9. Click Submit.



Related Information

Configure Certificates for Device Security

■ Home > Security > Configure Certificates for Device Security > Create CSR and Install a Certificate from a Certificate Authority (CA)

Create CSR 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 Machine

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.

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

For example:

https://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: https://SharedPrinter

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

For example: https://brn123456abcdef

- The NetBIOS name can be found in the Network Configuration Report.
- 3. If required, type the password in the **Login** field, and then click **Login**.



The default password to manage this machine's settings is located on the back of the machine and marked "**Pwd**".

4. Go to the navigation menu, and then click Network > Security > Certificate.



Start from =, if the navigation menu is not shown on the left side of the screen.

- 5. Click Create CSR.
- 6. 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 machine 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** checkbox, and then select **Auto (Register IPv4)** or **Manual**.
- 7. Select your setting from the Public Key Algorithm drop-down list. The default setting is RSA(2048bit).
- 8. Select your setting from the Digest Algorithm drop-down list. The default setting is SHA256.
- 9. 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.

10. 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 2012/2012 R2/2016/2019/2022, 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.

Related Information

Create CSR and Install a Certificate from a Certificate Authority (CA)

Install a Certificate on Your 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. Otherwise, the CSR you created before installing will be invalid.

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

For example:

https://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: https://SharedPrinter

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

For example: https://brn123456abcdef

- The NetBIOS name can be found in the Network Configuration Report.
- 3. If required, type the password in the Login field, and then click Login.



The default password to manage this machine's settings is located on the back of the machine and marked "**Pwd**".

4. Go to the navigation menu, and then click **Network > Security > Certificate**.



Start from \equiv , if the navigation menu is not shown on the left side of the screen.

- 5. Click Install Certificate.
- 6. Browse to the file that contains the certificate issued by the CA, and then click **Submit**.

The certificate has been created 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 CSR and Install a Certificate from a Certificate Authority (CA)

■ Home > Security > Configure Certificates for Device Security > 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 > Configure Certificates for Device Security > 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 "https://machine's IP address" in your browser's address bar (where "machine's IP address" is your machine's IP address).

For example:

https://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: https://SharedPrinter

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

For example: https://brn123456abcdef

- The NetBIOS name can be found in the Network Configuration Report.
- 3. If required, type the password in the **Login** field, and then click **Login**.



The default password to manage this machine's settings is located on the back of the machine and marked "Pwd".

4. Go to the navigation menu, and then click Network > Security > Certificate.



Start from =, if the navigation menu is not shown on the left side of the screen.

- 5. Click Import Certificate and Private Key.
- 6. Browse to the file you want to import.
- 7. Type the password if the file is encrypted, and then click **Submit**.

The certificate and private key are imported to your machine.

√ |

Related Information

Import and Export the Certificate and Private Key

■ Home > Security > Configure Certificates for Device Security > 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 "https://machine's IP address" in your browser's address bar (where "machine's IP address" is your machine's IP address).

For example:

https://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: https://SharedPrinter

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

For example: https://brn123456abcdef

- The NetBIOS name can be found in the Network Configuration Report.
- 3. If required, type the password in the **Login** field, and then click **Login**.



The default password to manage this machine's settings is located on the back of the machine and marked "Pwd".

4. Go to the navigation menu, and then click Network > Security > Certificate.



Start from =, if the navigation menu is not shown on the left side of the screen.

- 5. Click Export shown with Certificate List.
- Enter the password if you want to encrypt the file.If a blank password is used, the output is not encrypted.
- 7. Enter the password again for confirmation, and then click **Submit**.
- 8. Click Save.

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 > Configure Certificates for Device Security > 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

Import a CA Certificate

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

For example:

https://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: https://SharedPrinter

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

For example: https://brn123456abcdef

- The NetBIOS name can be found in the Network Configuration Report.
- 3. If required, type the password in the **Login** field, and then click **Login**.



The default password to manage this machine's settings is located on the back of the machine and marked "Pwd".

4. Go to the navigation menu, and then click **Network > Security > CA Certificate**.



Start from =, if the navigation menu is not shown on the left side of the screen.

- 5. Click Import CA Certificate.
- 6. Browse to the file you want to import.
- 7. Click Submit.

1

Related Information

· Import and Export a CA Certificate

Export a CA Certificate

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

For example:

https://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: https://SharedPrinter

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

For example: https://brn123456abcdef

- The NetBIOS name can be found in the Network Configuration Report.
- 3. If required, type the password in the **Login** field, and then click **Login**.



The default password to manage this machine's settings is located on the back of the machine and marked "Pwd".

4. Go to the navigation menu, and then click **Network > Security > CA Certificate**.



Start from =, if the navigation menu is not shown on the left side of the screen.

- 5. Select the certificate you want to export and click Export.
- 6. Click Submit.
- 7. Click ▼ next to **Save**, and then specify the location where you want to save the file.

✓ |

Related Information

· Import and Export a CA Certificate

▲ Home > Security > Configure Certificates for Device Security > 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 on Brother Machine
Self-signed Certificate or Certificate Issued by a CA	5
CA Certificate	6

We recommend storing fewer certificates 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, or IEEE 802.1x, you must select which certificate you are using.
- When you use SSL for SMTP communications, you do not have to choose the certificate. The necessary certificate will be chosen automatically.

Related Information

· Configure Certificates for Device Security

■ Home > Security > Use SSL/TLS

Use SSL/TLS

- Introduction to SSL/TLS
- Manage Your Network Machine Securely Using SSL/TLS
- Print Documents Securely Using SSL/TLS
- Send an Email Securely

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.

4

Related Information

- Use SSL/TLS
 - Brief History of SSL/TLS
 - · Benefits of Using SSL/TLS

■ Home > Security > Use 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. SSL is now used 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 > Use SSL/TLS > Introduction to SSL/TLS > Benefits of Using SSL/TLS

Benefits of Using SSL/TLS

The primary benefit of using SSL/TLS 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 > Use SSL/TLS > Manage Your Network Machine Securely Using SSL/TLS

Manage Your Network Machine Securely Using SSL/TLS

- Configure a Certificate for SSL/TLS and Available Protocols
- Access Web Based Management Using SSL/TLS
- Install the Self-signed Certificate for Windows Users as Administrators
- Configure Certificates for Device Security

Configure a Certificate for SSL/TLS and Available Protocols

Configure a certificate on your machine using Web Based Management before you use SSL/TLS communication.

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

For example:

https://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: https://SharedPrinter

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

For example: https://brn123456abcdef

- The NetBIOS name can be found in the Network Configuration Report.
- 3. If required, type the password in the **Login** field, and then click **Login**.



The default password to manage this machine's settings is located on the back of the machine and marked "**Pwd**".

4. Go to the navigation menu, and then click **Network > Network > Protocol**.



Start from ≡, if the navigation menu is not shown on the left side of the screen.

- 5. Click HTTP Server Settings.
- 6. Select the certificate you want to configure from the Select the Certificate drop-down list.
- 7. Click Submit.
- 8. Click **Yes** to restart your print server.

4

Related Information

• Manage Your Network Machine Securely Using SSL/TLS

■ Home > Security > Use SSL/TLS > Manage Your Network Machine Securely Using SSL/TLS > Access Web Based Management Using SSL/TLS

Access Web Based Management Using SSL/TLS

To manage your network machine securely, use Web Based Management with the HTTPS protocol.



- To use HTTPS protocol, HTTPS must be enabled on your machine. The HTTPS protocol is enabled by default.
- · You can change the HTTPS protocol settings using Web Based Management.
- 1. Start your web browser.
- 2. 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. If required, type the password in the **Login** field, and then click **Login**.



The default password to manage this machine's settings is located on the back of the machine and marked "**Pwd**".

4. You can now access the machine using HTTPS.

√

Related Information

Manage Your Network Machine Securely Using SSL/TLS

■ Home > Security > Use SSL/TLS > Manage Your Network Machine Securely Using SSL/TLS > Install the Self-signed Certificate for Windows Users as Administrators

Install the Self-signed Certificate for Windows Users as Administrators

- The following steps are for Microsoft Edge. If you use another web browser, refer to your web browser's documentation or online help for instructions on how to install certificates.
- Make sure you have created your self-signed certificate using Web Based Management.
- 1. Right-click the Microsoft Edge icon, and then click Run as administrator.

If the User Account Control screen appears, click Yes.

2. Type "https://machine's IP address" in your browser's address bar (where "machine's IP address" is your machine's IP address).

For example:

https://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: https://SharedPrinter

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

For example: https://brn123456abcdef

- · The NetBIOS name can be found in the Network Configuration Report.
- 3. If your connection is not private, click the **Advanced** button, and then continue to the web page.
- 4. If required, type the password in the Login field, and then click Login.



The default password to manage this machine's settings is located on the back of the machine and marked "Pwd"

5. Go to the navigation menu, and then click **Network > Security > Certificate**.



Start from \equiv , if the navigation menu is not shown on the left side of the screen.

- 6. Click Export.
- 7. To encrypt the output file, type a password in the **Enter password** field. If the **Enter password** field is blank, your output file will not be encrypted.
- 8. Type the password again in the **Retype password** field, and then click **Submit**.
- 9. Click the downloaded file to open.
- 10. When the Certificate Import Wizard appears, click Next.
- 11. Click Next.
- 12. If required, type a password, and then click **Next**.
- 13. Select Place all certificates in the following store, and then click Browse....
- 14. Select the Trusted Root Certification Authorities, and then click OK.
- 15. Click Next.
- 16. Click Finish.
- 17. Click Yes, if the fingerprint (thumbprint) is correct.
- 18. Click **OK**.

4

Related Information

Manage Your Network Machine Securely Using SSL/TLS

Print Documents Securely Using SSL/TLS

- Print Documents Using SSL/TLS
- Configure a Certificate for SSL/TLS and Available Protocols
- Configure Certificates for Device Security

■ Home > Security > Use SSL/TLS > Print Documents Securely Using SSL/TLS > Print Documents Using SSL/TLS

Print Documents Using SSL/TLS

To print documents securely with IPP protocol, use the IPPS protocol.

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

For example:

https://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: https://SharedPrinter

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

For example: https://brn123456abcdef

- The NetBIOS name can be found in the Network Configuration Report.
- 3. If required, type the password in the **Login** field, and then click **Login**.



The default password to manage this machine's settings is located on the back of the machine and marked "Pwd".

4. Go to the navigation menu, and then click Network > Network > Protocol.



Start from =, if the navigation menu is not shown on the left side of the screen.

5. Make sure the **IPP** checkbox is selected.



If the IPP checkbox is not selected, select the IPP checkbox, and then click Submit.

Restart your machine to activate the configuration.

After the machine restarts, return to the machine's web page, type the password, go to the navigation menu, and then click **Network > Network > Protocol**.

- 6. Click HTTP Server Settings.
- 7. Select the HTTPS checkbox in the IPP area, 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

· Print Documents Securely Using SSL/TLS

■ Home > Security > Use SNMPv3

Use SNMPv3

• Manage Your Network Machine Securely Using SNMPv3

■ Home > Security > Use SNMPv3 > Manage Your Network Machine Securely Using SNMPv3

Manage Your Network Machine Securely Using SNMPv3

The Simple Network Management Protocol version 3 (SNMPv3) provides user authentication and data encryption to manage network devices securely.

- 1. Start your web browser.
- 2. 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. If required, type the password in the **Login** field, and then click **Login**.



The default password to manage this machine's settings is located on the back of the machine and marked "Pwd".

4. Go to the navigation menu, and then click **Network > Network > Protocol**.



Start from =, if the navigation menu is not shown on the left side of the screen.

- 5. Make sure the SNMP setting is enabled, and then click Advanced Settings.
- 6. Configure the SNMP settings.

Option	Description	
SNMP v1/v2c read-write access	The print server uses version 1 and version 2c of the SNMP protocol. You can use all of your machine's 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-	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.	
only access	When you use the SNMPv3 read-write access and v1/v2c read-only access mode, some of your machine's applications that access the print server do not work correctly since they authorise the read-only access of version 1 and version 2c. If you want to use all applications, we recommend using the SNMP v1/v2c read-write access mode.	
SNMPv3 read- write access	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 the SNMPv3 read-write access mode, note the following:	
	Except for BRAdmin Professional, all applications that use SNMPv1/v2c will be restricted. To allow the use of SNMPv1/v2c applications, use the SNMPv3 read-write access and v1/v2c read-only access or SNMP v1/v2c read-write access mode.	

7. Click Submit.



Related Information

• Use SNMPv3

■ Home > Security > Use IPsec

Use 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 > Use IPsec > Introduction to IPsec

Introduction to IPsec

IPsec (Internet Protocol Security) is a security protocol that uses an optional Internet Protocol function to prevent data 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 machine is configured for IPsec communication.
- The computer connected to your 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

· Use IPsec

▲ Home > Security > Use IPsec > Configure IPsec Using Web Based Management

Configure IPsec Using Web Based Management

The IPsec connection conditions comprise two **Template** types: **Address** and **IPsec**. You can configure up to 10 connection conditions.

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

For example:

https://192.168.1.2

3. If required, type the password in the **Login** field, and then click **Login**.



The default password to manage this machine's settings is located on the back of the machine and marked "**Pwd**".

4. Go to the navigation menu, and then click **Network > Security > IPsec**.



Start from ≡, if the navigation menu is not shown on the left side of the screen.

5. Configure the settings.

Option	Description
Status	Enable or disable IPsec.
Negotiation Mode	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 the Main mode, the processing speed is slow, but the security is high. In the Aggressive mode, the processing speed is faster than in the Main mode, but the security is lower.
All Non-IPsec Traffic	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.
Broadcast/Multicast Bypass	Select Enabled or Disabled.
Protocol Bypass	Select the checkboxes for the option or options you want.
Rules	Select the Enabled checkbox to activate the template. When you select multiple checkboxes, the lower numbered checkboxes have priority if the settings for the selected checkboxes conflict.
	Click 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 .
	Click 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.

6. 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

• Use IPsec

Related Topics:

· Configure Certificates for Device Security

▲ Home > Security > Use 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 "https://machine's IP address" in your browser's address bar (where "machine's IP address" is your machine's IP address).

For example:

https://192.168.1.2

3. If required, type the password in the **Login** field, and then click **Login**.



The default password to manage this machine's settings is located on the back of the machine and marked "**Pwd**".

4. Go to the navigation menu, and then click **Network > Security > IPsec Address Template**.



Start from =, if the navigation menu is not shown on the left side of the screen.

- 5. Click the **Delete** button to delete an **Address Template**. When an **Address Template** is in use, it cannot be deleted.
- 6. Click the Address Template that you want to create. The IPsec Address Template appears.
- 7. Configure the settings.

Option	Description
Template Name	Type a name for the template (up to 16 characters).
Local IP Address	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 standardised 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.### are valid.
Remote IP Address	• 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 first and last IP addresses for the IP address range. If the first and last IP addresses are not standardised to IPv4 or IPv6, or the last IP address is smaller than the first address, an error will occur.
	IP Address / Prefix
	Specify the IP address using CIDR notation.
	For example: 192.168.1.1/24

Option	Description
	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.### are valid.

8. Click Submit.



When you change the settings for the template currently in use, restart your machine to activate the configuration.



Related Information

• Use IPsec

▲ Home > Security > Use IPsec > Configure an IPsec Template Using Web Based Management

Configure an IPsec Template Using Web Based Management

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

For example:

https://192.168.1.2

3. If required, type the password in the **Login** field, and then click **Login**.



The default password to manage this machine's settings is located on the back of the machine and marked "**Pwd**".

4. Go to the navigation menu, and then click Network > Security > IPsec Template.



Start from \equiv , if the navigation menu is not shown on the left side of the screen.

- Click the **Delete** button to delete an **IPsec Template**. When an **IPsec Template** is in use, it cannot be deleted.
- 6. Click the **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)** settings you select.
- 7. In the **Template Name** field, type a name for the template (up to 16 characters).
- 8. 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.
- 9. Click Submit.

Related Information

- Use IPsec
 - IKEv1 Settings for an IPsec Template
 - IKEv2 Settings for an IPsec Template
 - · Manual Settings for an IPsec Template

IKEv1 Settings for an IPsec Template

Option	Description
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.
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	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
	SA Lifetime Specify the IKE SA lifetime.
	Type the time (seconds) and number of kilobytes (KByte).
Encapsulating Security	• Protocol
Znoupoulum g cocumy	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 comprises 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 (Not available for the AH option.)
	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.

Option	Description
	When AH+ESP is selected in Protocol, select each protocol for Hash(ESP) and Hash(AH).
	SA Lifetime
	Specify the IKE SA lifetime.
	Type the time (seconds) and number of kilobytes (KByte).
	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

IKEv2 Settings for an IPsec Template

Option	Description
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	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
	Specify the IKE SA lifetime. Type the time (seconds) and number of kilobytes (KByte).
Encapsulating Security	Protocol
Liteapsulating decurity	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 comprises 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 IKE SA lifetime
	Specify the IKE SA lifetime. Type the time (seconds) and number of kilobytes (KByte).
	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.

Option	Description
	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 .
	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.
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.

Option	Description
	You can select only the certificates that were created using the Certificate page of Web Based Management's Security configuration screen.

4

Related Information

• Configure an IPsec Template Using Web Based Management

Manual Settings for an IPsec Template

Option	Description
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)	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)	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
	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.

Option	Description
	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 comprises 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 (Not available for the AH option.)
	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.
	When AH+ESP is selected in Protocol, select each protocol for Hash(ESP) and Hash(AH).
	SA Lifetime
	Specify the IKE SA lifetime.
	Type the time (seconds) and number of kilobytes (KByte).
	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.

Related Information

Configure an IPsec Template Using Web Based Management

▲ Home > Security > 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 Wireless Network Using Web Based Management (Web Browser)
- IEEE 802.1x Authentication Methods

■ Home > Security > 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 that limits access from unauthorised network devices. Your Brother machine 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.



Related Information

Use IEEE 802.1x Authentication for a Wired or a Wireless Network

■ Home > Security > Use IEEE 802.1x Authentication for a Wired or a Wireless Network > Configure IEEE 802.1x Authentication for a Wired or Wireless Network Using Web Based Management (Web Browser)

Configure IEEE 802.1x Authentication for a Wired or 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 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 the Wireless Setup Wizard from the control panel (Wireless network).

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

For example:

https://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: https://SharedPrinter

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

For example: https://brn123456abcdef

- The NetBIOS name can be found in the Network Configuration Report.
- 3. If required, type the password in the **Login** field, and then click **Login**.



The default password to manage this machine's settings is located on the back of the machine and marked "**Pwd**".

4. Go to the navigation menu, and then click **Network**.



Start from =, if the navigation menu is not shown on the left side of the screen.

- 5. Do one of the following:
 - · For the wired network

Click Wired > Wired 802.1x Authentication.

For the wireless network

Click Wireless > Wireless (Enterprise).

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 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, 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 issued by the CA that signed the server certificate.	
The verification method to check the common name 1 value of the server certification 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	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.

Related Information

• Use IEEE 802.1x Authentication for a Wired or a Wireless Network

Related Topics:

• Configure Certificates for Device Security

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 > Use IEEE 802.1x Authentication for a Wired or a Wireless Network > IEEE 802.1x Authentication Methods

IEEE 802.1x Authentication Methods

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.

Your 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.

Your 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.

Your Brother machine supports the following inner authentications:

- EAP-TTLS/CHAP
- EAP-TTLS/MS-CHAP
- EAP-TTLS/MS-CHAPv2
- EAP-TTLS/PAP

EAP-TLS

Extensible Authentication Protocol-Transport Layer Security (EAP-TLS) requires digital certificate authentication both at a client and an authentication server.



Related Information

Use IEEE 802.1x Authentication for a Wired or a Wireless Network

■ Home > Security > Use Active Directory Authentication

Use Active Directory Authentication

Related Models: HL-L6410DN/HL-L6415DN

- 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 > Use Active Directory Authentication > Introduction to Active Directory Authentication

Introduction to Active Directory Authentication

Related Models: HL-L6410DN/HL-L6415DN

Active Directory Authentication restricts the use of your 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 feature:

Stores incoming print data

You can change the Active Directory Authentication settings using Web Based Management.

4

Related Information

Use Active Directory Authentication

■ Home > Security > Use Active Directory Authentication > Configure Active Directory Authentication Using Web Based Management

Configure Active Directory Authentication Using Web Based Management

Related Models: HL-L6410DN/HL-L6415DN

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 "https://machine's IP address" in your browser's address bar (where "machine's IP address" is your machine's IP address).

For example:

https://192.168.1.2

3. If required, type the password in the **Login** field, and then click **Login**.



The default password to manage this machine's settings is located on the back of the machine and marked "**Pwd**".

4. Go to the navigation menu, and then click **Administrator > User Restriction Function** or **Restriction Management**.



Start from =, if the navigation menu is not shown on the left side of the screen.

- 5. Select Active Directory Authentication.
- 6. Click Submit.
- 7. Click Active Directory Authentication in the navigation bar.
- 8. Configure the following settings:

Option	Description
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.
LDAP Server Port	Type the port number to connect the Active Directory server via LDAP (available only for LDAP + kerberos authentication method).
SSL/TLS	Select the SSL/TLS option.

9. Click Submit.



Related Information

Use Active Directory Authentication

■ Home > Security > 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)

Related Models: HL-L6410DN/HL-L6415DN

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, enter your User ID.
- 2. Press [OK].
- 3. Enter your password.
- 4. Press [OK].
- 5. Press [OK] again.
- 6. When authentication is successful, the machine's control panel unlocks, and the LCD displays the Home screen.

Related Information

· Use Active Directory Authentication

■ Home > Security > Use LDAP Authentication

Use LDAP Authentication

Related Models: HL-L6410DN/HL-L6415DN

- 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 > Use LDAP Authentication > Introduction to LDAP Authentication

Introduction to LDAP Authentication

Related Models: HL-L6410DN/HL-L6415DN

LDAP Authentication restricts the use of your 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 feature:

Stores incoming print data

You can change the LDAP Authentication settings using Web Based Management.

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Related Information

• Use LDAP Authentication

■ Home > Security > Use LDAP Authentication > Configure LDAP Authentication Using Web Based Management

Configure LDAP Authentication Using Web Based Management

Related Models: HL-L6410DN/HL-L6415DN

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

For example:

https://192.168.1.2

3. If required, type the password in the **Login** field, and then click **Login**.



The default password to manage this machine's settings is located on the back of the machine and marked "Pwd".

4. Go to the navigation menu, and then click **Administrator > User Restriction Function**.



Start from =, if the navigation menu is not shown on the left side of the screen.

- 5. Select LDAP Authentication.
- 6. Click Submit.
- 7. Click the **LDAP Authentication** menu.
- 8. Configure the following settings:

Option	Description
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.
SSL/TLS	Select the SSL/TLS option to use LDAP over SSL/TLS.
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.

9. Click Submit.



Related Information

Use LDAP Authentication

▲ Home > Security > 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)

Related Models: HL-L6410DN/HL-L6415DN

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, enter your User ID and Password.
- 2. Press [OK].
- 3. When authentication is successful, the machine's control panel unlocks, and the LCD displays the Home screen.

Related Information

Use LDAP Authentication

■ Home > Security > Use Secure Function Lock 3.0

Use Secure Function Lock 3.0

Secure Function Lock 3.0 increases security by restricting the functions available on your machine.

- Before Using Secure Function Lock 3.0
- Configure Secure Function Lock 3.0 Using Web Based Management
- 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 > Use 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:

Print

Print includes print jobs sent via AirPrint, Brother iPrint&Scan, and Brother Mobile Connect.

If you register user login names in advance, the users do not need to enter their passwords when they use the print function.

- Web Connect (supported models only)
- Page Limits
- Page Counters
- Card ID (NFC ID) (supported models only)

If you register user Card IDs in advance, registered users can activate the machine by touching their registered cards to the machine's NFC symbol.



Touchscreen LCD models:

When Secure Function Lock is enabled, the machine automatically enters Public Mode and some of the machine's functions become restricted to authorised users only. To access the restricted machine functions, press, select your user name, and enter your password.



Related Information

Configure Secure Function Lock 3.0 Using Web Based Management

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

For example:

https://192.168.1.2

3. If required, type the password in the **Login** field, and then click **Login**.



The default password to manage this machine's settings is located on the back of the machine and marked "Pwd".

4. Go to the navigation menu, and then click **Administrator** > **User Restriction Function** or **Restriction Management**.



Start from \equiv , if the navigation menu is not shown on the left side of the screen.

- 5. Select Secure Function Lock.
- 6. Click Submit.
- 7. Click the **Restricted Functions** menu.
- 8. In the **User List / Restricted Functions** field, type a group name or user name.
- 9. In the **Print** and the other columns, select a checkbox to allow, or clear a checkbox to restrict, the function listed.
- 10. To configure the maximum page count, select the **On** checkbox in the **Page Limits** column, and then type the maximum number in the **Max. Pages** field.
- 11. Click Submit.
- 12. Click the User List menu.
- 13. In the **User List** field, type the user name.
- 14. In the **Password** field, type a password.



The number of characters you can set differs depending on the model.

- 15. To register the user's Card ID, type the card number in the **Card ID (NFC ID)** field (available only for certain models).
- 16. Click the **Output** drop-down list, and then select the output tray for each user (available only for certain models).
- 17. Select **User List / Restricted Functions** from the drop-down list for each user.
- 18. Click Submit.



You can also change the user list lockout settings in the Secure Function Lock menu.



Related Information

▲ Home > Security > Use 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 Brother iPrint&Scan and Brother Mobile Connect.

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

For example:

https://192.168.1.2

3. If required, type the password in the **Login** field, and then click **Login**.



The default password to manage this machine's settings is located on the back of the machine and marked "**Pwd**".

4. Go to the navigation menu, and then click **Administrator** > **User Restriction Function** or **Restriction Management**.



Start from \equiv , if the navigation menu is not shown on the left side of the screen.

- 5. Select Secure Function Lock.
- 6. Click Submit.
- 7. Click the **Restricted Functions** menu.
- 8. In the Public Mode row, select a checkbox to allow, or clear a checkbox to restrict, the function listed.
- 9. Click Submit.

1

Related Information

▲ Home > Security > Use 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 and last 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 user's Card ID in the **Card ID (NFC ID)** field. You can use your IC card for authentication.

Output (available models only)

When the Mailbox unit is installed on your machine, select the output tray for each user from the drop-down list.

Last Counter Record

Click Last Counter Record if you want the machine to retain the page count after the counter has been reset.

Related Information

Register a new ID Card Using the Machine's Control Panel

Related Models: HL-L6410DN/HL-L6415DN

- 1. Touch the Near-Field Communication (NFC) symbol on the machine with a registered Integrated Circuit Card (IC Card).
- 2. Press your login name.
- 3. Press [Register Card].
- 4. Touch a new IC Card to the NFC symbol.
- 5. Press [OK].

The new IC Card's number is registered to the machine.

Related Information

■ Home > Security > Send an Email Securely

Send an Email Securely

Related Models: HL-L5210DW/HL-L5215DN/HL-L6210DW/HL-L6410DN/HL-L6415DN

- Configure Email Sending Using Web Based Management
- Send an Email with User Authentication
- Send an Email Securely Using SSL/TLS

▲ Home > Security > Send an Email Securely > Configure Email Sending Using Web Based Management

Configure Email Sending Using Web Based Management

Related Models: HL-L5210DW/HL-L5215DN/HL-L6210DW/HL-L6410DN/HL-L6415DN

We recommend using Web Based Management to configure secured email sending with user authentication, or email sending using SSL/TLS.

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

For example:

https://192.168.1.2

3. If required, type the password in the **Login** field, and then click **Login**.



The default password to manage this machine's settings is located on the back of the machine and marked "Pwd"

4. Go to the navigation menu, and then click **Network > Network > Protocol**.



Start from =, if the navigation menu is not shown on the left side of the screen.

- 5. In the SMTP Client field, click Advanced Settings and make sure the status of SMTP Client is Enabled.
- 6. Configure the SMTP Client settings.
 - Confirm that the email settings are correct after configuration by sending a test email.
 - If you do not know the SMTP server settings, contact your network administrator or Internet Service Provider (ISP).
- 7. When finished, click Submit.

The **Test Send E-mail Configuration** dialog box appears.

8. Follow the instructions in the dialog box to test the current settings.

4

Related Information

· Send an Email Securely

▲ Home > Security > Send an Email Securely > Send an Email with User Authentication

Send an Email with User Authentication

Your 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 the SMTP-AUTH method for email notification and email reports.



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 **SMTP Client** screen, under **Server Authentication Method**, you must select **SMTP-AUTH**.

Re

Related Information

· Send an Email Securely

Send an Email Securely Using SSL/TLS

Related Models: HL-L5210DW/HL-L5215DN/HL-L6210DW/HL-L6410DN/HL-L6415DN

Your machine supports SSL/TLS communication methods. To use an email server that is using SSL/TLS communication, you must configure the following settings.



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 checkbox 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 checkbox.

Port Number

If you select **SSL**, or **TLS**, the **Port** value will be changed to match the protocol. To change the port number manually, type the port number after you select **SSL/TLS** settings.

You must configure your machine's 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



Related Information

· Send an Email Securely

Related Topics:

Configure Certificates for Device Security

■ Home > Security > Store Print Log to Network

Store Print Log to Network

- Store Print 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

▲ Home > Security > Store Print Log to Network > Store Print Log to Network Overview

Store Print Log to Network Overview

The Store Print Log to Network feature allows you to save the print log file from your 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
- Web Connect Print (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) for Authentication.
- · You can set the file type to TXT or CSV when storing a file to the server.

√

Related Information

· Store Print Log to Network

■ Home > Security > 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 "https://machine's IP address" in your browser's address bar (where "machine's IP address" is your machine's IP address).

For example:

https://192.168.1.2

3. If required, type the password in the **Login** field, and then click **Login**.



The default password to manage this machine's settings is located on the back of the machine and marked "Pwd".

4. Go to the navigation menu, and then click **Administrator > Store Print Log to Network**.



Start from ≡, if the navigation menu is not shown on the left side of the screen.

- 5. In the Print Log field, click On.
- 6. Configure the following settings:

Option	Description	
Network Folder Path	Type the destination folder where your print log will be stored on the CIFS server (for example: \\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.	
Time Source for Log	Select the time source for the print log.	
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.	
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 Key Distribution Center (KDC) host address (for example: kerberos.example.com; up to 64 characters) or the IP address (for example: 192.168.56.189).	

Option	Description
Error Detection Setting	Choose what action should be taken when the Print Log cannot be stored to the server due to a network error.

7. In the **Connection Status** field, confirm the last log status.



You can also confirm the error status on the LCD of your machine.

8. 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.

- 9. The machine will test your settings.
- 10. 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 > 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 "https://machine's IP address" in your browser's address bar (where "machine's IP address" is your machine's IP address).

For example:

https://192.168.1.2

3. If required, type the password in the **Login** field, and then click **Login**.



The default password to manage this machine's settings is located on the back of the machine and marked "**Pwd**".

4. Go to the navigation menu, and then click Administrator > Store Print Log to Network.



Start from =, if the navigation menu is not shown on the left side of the screen.

5. 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.		
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		
	1, Print(xxxxxxx), "Document01.doc", "user01", 03/03/20xx, 14:01:32, 52		

- 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

 a. If the log cannot be stored at the end of printing, the number of printed pages will not be
- a. If the log cannot be stored at the end of printing, the number of printed pages will not 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.
- 6. 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.

- 7. The machine will test your settings.
- 8. 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 > Lock the Machine Settings from the Control Panel

Lock the Machine Settings from the Control Panel

Before turning the machine's Setting Lock on, write down and save 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

▲ Home > Security > Lock the Machine Settings from the Control Panel > 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

■ Home > Security > Lock the Machine Settings from the Control Panel > Setting Lock Overview > Set the Setting Lock Password

Set the Setting Lock Password

>> HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW

>> HL-L6410DN/HL-L6415DN

HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW

- 1. Press ▲ or ▼ to display the [General Setup] option, and then press OK.
- 2. Press ▲ or ▼ to display the [Setting Lock] option, and then press OK.
- Enter a four-digit number for the password.
 To enter each digit, press ▲ or ▼ to select a number, and then press OK.
- 4. When the LCD displays [Verify:], re-enter the new password.

HL-L6410DN/HL-L6415DN

- 1. Press [Settings] > [All Settings] > [General Setup] > [Setting Lock].
- 2. Enter a four-digit number for the password.
- 3. Press [OK].
- 4. When the LCD displays [Verify], re-enter the new password.
- 5. Press [OK].
- 6. Press

Related Information

· Setting Lock Overview

Related Topics:

· How to Enter Text on Your Machine

■ Home > Security > Lock the Machine Settings from the Control Panel > Setting Lock Overview > Change the Setting Lock Password

Change the Setting Lock Password

>> HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW

>> HL-L6410DN/HL-L6415DN

HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW

- 1. Press ▲ or ▼ to display the [General Setup] option, and then press OK.
- 2. Press ▲ or ▼ to display the [Setting Lock] option, and then press OK.
- 3. Press ▲ or ▼ to select the [Set Password] option, and then press OK.
- 4. Enter the current four-digit password.

To enter each digit, press ▲ or ▼ to select a number, and then press **OK**.

5. Enter a new four-digit password.

To enter each digit, press ▲ or ▼ to select a number, and then press OK.

6. When the LCD displays [Verify:], re-enter the new password.

HL-L6410DN/HL-L6415DN

- Press [Settings] > [All Settings] > [General Setup] > [Setting Lock] > [Set Password].
- 2. Enter the current four-digit password.
- 3. Press [OK].
- 4. Enter a new four-digit password.
- 5. Press [OK].
- 6. When the LCD displays [Verify], re-enter the new password.
- 7. Press [OK].
- 8. Press

Related Information

· Setting Lock Overview

Turn Setting Lock On

- >> HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW
- >> HL-L6410DN/HL-L6415DN

HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW

- 1. Press ▲ or ▼ to display the [General Setup] option, and then press OK.
- 2. Press ▲ or ▼ to display the [Setting Lock] option, and then press OK.
- 3. Press **OK** when the LCD displays [On].
- 4. Enter the current four-digit password.

To enter each digit, press ▲ or ▼ to select a number, and then press **OK**.

HL-L6410DN/HL-L6415DN

- Press [Settings] > [All Settings] > [General Setup] > [Setting Lock] > [Lock Off⇒On].
- 2. Enter the current four-digit password.
- 3. Press [OK].

Related Information

· Setting Lock Overview

■ Home > Security > Use Global Network Detection Features

Use Global Network Detection Features

When you use your machine in a private network, use the Global Network Detection feature to avoid a risk from unexpected attacks from the global network.

- Enable Global IP Address Detection
- Block Communications from the Global Network

▲ Home > Security > Use Global Network Detection Features > Enable Global IP Address Detection

Enable Global IP Address Detection

Use this feature to check your machine's IP address. When your machine is assigned to a global IP address, an alert is displayed on the machine.

- >> HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW
- >> HL-L6410DN/HL-L6415DN

HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW

- 1. Press ▲ or ▼ to select the [Network] option, and then press OK.
- 2. Press ▲ or ▼ to select the [Global Detect] option, and then press OK.
- 3. Press ▲ or ▼ to select the [Allow Detect] option, and then press OK.
- 4. Press **\(\)** or **\(\)** to select [On], and then press **OK**.

HL-L6410DN/HL-L6415DN

- Press [Settings] > [All Settings] > [Network] > [Network Reset] > [Global Detect] > [Allow Detect] > [On].
- 2. Press .

Related Information

· Use Global Network Detection Features

 ★ Home > Security > Use Global Network Detection Features > Block Communications from the Global Network

Block Communications from the Global Network



When you enable this feature, it limits receiving jobs from devices with global IP addresses.

- >> HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW
- >> HL-L6410DN/HL-L6415DN

HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW

- 1. Press ▲ or ▼ to select the [Network] option, and then press OK.
- 2. Press ▲ or ▼ to select the [Global Detect] option, and then press OK.
- 3. Press ▲ or ▼ to select the [Reject Access] option, and then press OK.
- 4. Press ▲ or ▼ to select [On], and then press OK.

HL-L6410DN/HL-L6415DN

- 1. Press [Settings] > [All Settings] > [Network] > [Global Detect] > [Reject Access] > [On].
- 2. Press

Related Information

Use Global Network Detection Features

≜ Home > Administrator

Administrator

- Network Features
- Security Features
- Brother Management Tools

■ Home > Administrator > Network Features

Network Features

- Change Machine Settings Using Web Based Management
- Print the Network Configuration Report
- Synchronise Time with the SNTP Server Using Web Based Management
- Store Print Log to Network

Home > Administrator > Security Features

Security Features

Your machine uses some of the latest network security and encryption protocols. These network features can be integrated into your overall network security plan to help protect your data and prevent unauthorised access to the machine.

- Network Security
- User Authentication

▲ Home > Administrator > Security Features > Network Security

Network Security

- Before Using Network Security Features
- Configure Certificates for Device Security
- Use SSL/TLS
- Use SNMPv3
- Use IPsec
- Use IEEE 802.1x Authentication for a Wired or a Wireless Network

▲ Home > Administrator > Security Features > Network Security > Before Using Network Security Features

Before Using Network Security Features

Your 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

- Security
- Network Security
 - · Disable Unnecessary Protocols

▲ Home > Administrator > Security Features > User Authentication

User Authentication

- Use Active Directory Authentication
- Use LDAP Authentication
- Use Secure Function Lock 3.0

■ Home > Administrator > Brother Management Tools

Brother Management Tools

Use one of Brother's management tools to configure your Brother machine's network settings. Go to your model's **Downloads** page at <u>support.brother.com</u> to download the tools.

1

Related Information

Administrator

■ Home > Mobile/Web Connect

Mobile/Web Connect

- Brother Web Connect
- AirPrint
- Mopria[™] Print Service
- Brother Mobile Connect
- Register an External IC Card Reader

■ Home > Mobile/Web Connect > Brother Web Connect

Brother Web Connect

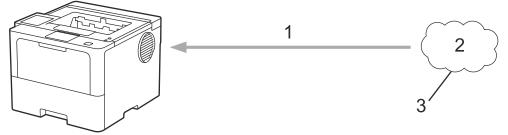
Related Models: HL-L6410DN/HL-L6415DN

- Brother Web Connect Overview
- Online Services Used with Brother Web Connect
- Set Up Brother Web Connect
- Download and Print Documents Using Brother Web Connect

Brother Web Connect Overview

Related Models: HL-L6410DN/HL-L6415DN

Certain websites provide services that allow users to upload and view images and files on the websites. Your Brother machine can download and print images that are already uploaded to these services.



- 1. Printing
- 2. Photos, images, documents, and other files
- 3. Web Service

To use Brother Web Connect, your Brother machine must be connected to a network that has access to the Internet, through either a wired or wireless connection.

For network setups that use a proxy server, the machine must also be configured to use a proxy server. If you are unsure of your network configuration, check with your network administrator.



A proxy server is a computer that serves as an intermediary between computers without a direct Internet connection, and the Internet.

Related Information

- · Brother Web Connect
 - Configure the Proxy Server Settings Using the Machine's Control Panel

Configure the Proxy Server Settings Using the Machine's Control Panel

Related Models: HL-L6410DN/HL-L6415DN

If your network uses a proxy server, the following proxy server information must be configured on the machine:

- · Proxy server address
- · Port number
- User Name
- Password
- 1. Press [Settings] > [All Settings] > [Network] > [Web Connect Settings] > [Proxy Settings] > [Proxy Connection] > [On].
- 2. Press the option that you want to set, and then enter the proxy server information.
- 3. Press [OK].
- 4. Press

Related Information

• Brother Web Connect Overview

Related Topics:

· Configure the Proxy Server Settings Using Web Based Management

Online Services Used with Brother Web Connect

Related Models: HL-L6410DN/HL-L6415DN

Use Brother Web Connect to access services from your Brother machine:

To use Brother Web Connect, you must have an account with the online service you want to use. If you do not already have an account, use a computer to access the service's website and create an account.

If you already have an account, there is no need to create an additional account.

Google Drive[™]

An online document storage, editing, sharing, and file synchronisation service.

URL: drive.google.com

Evernote®

An online file storage and management service.

URL: www.evernote.com

Dropbox

An online file storage, sharing, and synchronisation service.

URL: www.dropbox.com

OneDrive

An online file storage, sharing, and managing service.

URL: onedrive.live.com

Box

An online document editing and sharing service.

URL: www.box.com

OneNote

An online document editing and sharing service.

URL: www.onenote.com

SharePoint Online

An online content storage, sharing, and managing service.

For more information about any of these services, refer to the respective service's website.

The following table describes which file types can be used with each Brother Web Connect feature:

Accessible Services	Google Drive [™]
	Evernote [®]
	Dropbox
	OneDrive
	Вох
	OneNote
	SharePoint Online
Download and print images ¹	JPEG
	PDF
	DOCX
	XLSX
	PPTX

¹ DOC/XLS/PPT formats are also available for downloading and printing images.



(For Hong Kong, Taiwan and Korea)

Brother Web Connect supports only file names written in English. Files named in the local language will not be downloaded.



Related Information

• Brother Web Connect

▲ Home > Mobile/Web Connect > Brother Web Connect > Set Up Brother Web Connect

Set Up Brother Web Connect

Related Models: HL-L6410DN/HL-L6415DN

- Brother Web Connect Setup Overview
- Create an Account for Each Online Service Before Using Brother Web Connect
- Apply for Brother Web Connect Access
- Register an Account on Your Brother Machine for Brother Web Connect

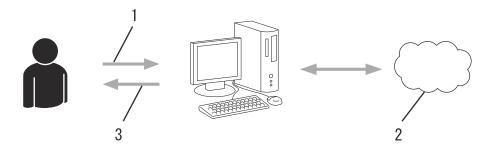
Brother Web Connect Setup Overview

Related Models: HL-L6410DN/HL-L6415DN

Configure the Brother Web Connect settings using the following procedure:

Step 1: Create an account with the service you want to use.

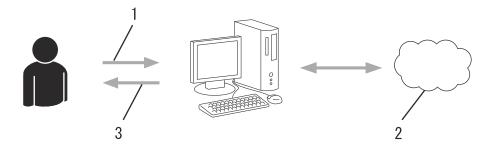
Access the service's website using a computer and create an account. (If you already have an account, there is no need to create an additional account.)



- 1. User registration
- 2. Web Service
- 3. Obtain account

Step 2: Apply for Brother Web Connect access.

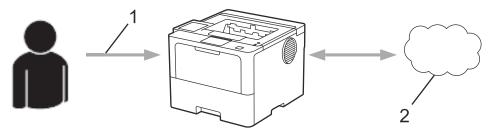
Start Brother Web Connect access using a computer and obtain a temporary ID.



- 1. Enter account information
- 2. Brother Web Connect application page
- 3. Obtain temporary ID

Step 3: Register your account information on your machine so you can access the service you want to use.

Enter the temporary ID to enable the service on your machine. Specify the account name as you would like it to be displayed on the machine, and enter a PIN if you would like to use one.



- 1. Enter temporary ID
- 2. Web Service

Your Brother machine can now use the service.



Related Information

• Set Up Brother Web Connect

■ Home > Mobile/Web Connect > Brother Web Connect > Set Up Brother Web Connect > Create an Account for Each Online Service Before Using Brother Web Connect

Create an Account for Each Online Service Before Using Brother Web Connect

Related Models: HL-L6410DN/HL-L6415DN

To use Brother Web Connect to access an online service, you must have an account with that online service. If you do not already have an account, use a computer to access the service's website and create an account. After creating an account, log on and use the account once with a computer before using the Brother Web Connect feature. Otherwise, you may not be able to access the service using Brother Web Connect.

If you already have an account, there is no need to create an additional account.

After you finish creating an account with the online service you want to use, apply for Brother Web Connect access.

4

Related Information

· Set Up Brother Web Connect

■ Home > Mobile/Web Connect > Brother Web Connect > Set Up Brother Web Connect > Apply for Brother Web Connect Access

Apply for Brother Web Connect Access

Related Models: HL-L6410DN/HL-L6415DN

To use Brother Web Connect to access online services, you must first apply for Brother Web Connect access using a computer that has the Brother Software installed.

1. Access the Brother Web Connect application website:

Option	Description
Windows	Launch (Brother Utilities), and then click the drop-down list and select your model name (if not already selected). Click Do More in the left navigation bar, and then click Brother Web Connect .
	You can also access the website directly: Type bwc.brother.com into your web browser's address bar.
Мас	Type <u>bwc.brother.com</u> into your web browser's address bar.

The Brother Web Connect page launches.

- 2. Select the service you want to use.
- 3. Follow the on-screen instructions and apply for access.



When using SharePoint Online, follow the on-screen instructions to register a document library.

When finished, your temporary ID appears.

Get connected with Brother Web Connect

Finished the registration.

Please enter the following temporary ID on the LCD screen of your machine.

Temporary ID (11 digits)

XXXX XXXXX XXXXX

NOTE: The temporary ID will expire in 24 hours.

- 4. Make a note of your temporary ID as you will need it to register accounts to the machine. The temporary ID is valid for 24 hours.
- 5. Close the web browser.

Now that you have a Brother Web Connect access ID, you must register this ID on your machine, and then use your machine to access the web service you want to use.



Related Information

• Set Up Brother Web Connect

Related Topics:

• Register an Account on Your Brother Machine for Brother Web Connect

Register an Account on Your Brother Machine for Brother Web Connect

Related Models: HL-L6410DN/HL-L6415DN

You must enter your Brother Web Connect account information and configure your machine so that it can use Brother Web Connect to access the service you want.

- · You must apply for Brother Web Connect access to register an account on your machine.
- Before you register an account, confirm that the correct date and time are set on the machine.
- 1. Press [Functions] > [Web].



- If information regarding the Internet connection appears on the machine's LCD, read the information and press [OK]. To display this information again, press [Yes].
- Occasionally, updates or announcements about Brother Web Connect's features will appear on the LCD. Read the information, and then press <code>[OK]</code>.
- 2. If the information regarding licence agreement appears, make your selection and follow the on-screen instructions.
- 3. Press ▲ or ▼ to display the service with which you want to register.
- 4. Press the service name.
- 5. If information regarding Brother Web Connect appears, press [OK].
- 6. Press [Register/Delete].
- 7. Press [Register Account].

The machine prompts you to enter the temporary ID you received when you applied for Brother Web Connect access.

- 8. Press [OK].
- 9. Enter the temporary ID using the LCD.
- 10. Press [OK].

The machine prompts you to enter the account name that you want displayed on the LCD.

- 11. Press [OK].
- 12. Enter the name using the LCD.
- 13. Press [OK].
- 14. Do one of the following:
 - To set a PIN for the account, press [Yes]. (A PIN prevents unauthorised access to the account.) Enter a
 four-digit number, and then press [OK].
 - If you do not want to set a PIN, press [No].
- 15. When the account information you entered appears, confirm that it is correct.
- 16. Press [Yes] to register the new information.



An error message will appear on the LCD if the information you entered does not match the temporary ID you received when you applied for access, or if the temporary ID has expired. Enter the temporary ID correctly, or apply for access again to receive a new temporary ID.

- 17. Press [OK].
- 18. Press

Registration is complete and your machine can now access the service.

Related Information

• Set Up Brother Web Connect

Related Topics:

- How to Enter Text on Your Machine
- Apply for Brother Web Connect Access

Download and Print Documents Using Brother Web Connect

Related Models: HL-L6410DN/HL-L6415DN

Documents that have been uploaded to your account can be downloaded directly to your machine and printed. Documents that other users have uploaded to their own accounts for sharing can also be downloaded to your machine and printed, as long as you have viewing privileges for those documents.

To download other users' documents, you must have access privileges to view the corresponding albums or documents.

If you are a restricted user for Web Connect due to the Secure Function Lock feature (available for certain models), you cannot download the data.

The Secure Function Lock Page Limit feature applies to the print job using Web Connect.



For Hong Kong, Taiwan and Korea:

Brother Web Connect supports only file names written in English. Files named in the local language will not be downloaded.



Related Information

- · Brother Web Connect
 - · Download and Print Using Web Services

Download and Print Using Web Services

Related Models: HL-L6410DN/HL-L6415DN

1. Press [Functions] > [Web].



- If information regarding the Internet connection appears on the machine's LCD, read the information and press <code>[OK]</code>. To display this information again, press <code>[Yes]</code>.
- Occasionally, updates or announcements about Brother Web Connect's features will appear on the LCD. Read the information, and then press <code>[OK]</code>.
- 2. Press ▲ or ▼ to display the service that hosts the document you want to download and print. Press the service name.
- 3. To log on to the service, press ▲ or ▼ to display your account name, and then press it. If the PIN entry screen appears, enter the four-digit PIN and press [OK].
- 4. Press ▲ or ▼ to display the folder you want, and then press it. Some services do not require documents to be saved in folders. For documents not saved in folders, select [See Unsorted Files] to select documents. Other users' documents cannot be downloaded if they are not saved in a folder.
- 5. Select the documents you want to print and then press [OK].
- 6. When finished, press [OK].
- 7. Follow the on-screen instructions to complete this operation.

Related Information

Download and Print Documents Using Brother Web Connect

Related Topics:

· How to Enter Text on Your Machine

■ Home > Mobile/Web Connect > AirPrint

AirPrint

- AirPrint Overview
- Before Using AirPrint (macOS)
- Print Using AirPrint

■ 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.

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.



4

Related Information

AirPrint

Related Topics:

· AirPrint Problems

■ Home > Mobile/Web Connect > AirPrint > Before Using AirPrint (macOS)

Before Using AirPrint (macOS)

Before printing using macOS, add your 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.

The Add Printer screen appears.

- 4. Do one of the following:
 - macOS v12

Select your machine, and then select your model's name from the **Use** pop-up menu.

macOS v11
 Select your machine, and then select AirPrint from the Use pop-up menu.

5. Click Add Printer.

Related Information

• AirPrint

■ Home > Mobile/Web Connect > AirPrint > Print Using AirPrint

Print Using AirPrint

- Print from iPad, iPhone, or iPod touch
- Print Using AirPrint (macOS)
- Clear Paper Jams

▲ 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 machine is turned on.
- 2. Load the paper in the paper tray and change the paper tray settings on your machine.
- 3. Use Safari to open the page that you want to print.
- 4. Tap or ┌ 1 つ
- 5. Tap Print.
- 6. Make sure your machine is selected.
- 7. If a different machine (or no machine) is selected, tap **Printer**.

A list of available machines appears.

- 8. Tap your machine's name in the list.
- 9. Select the options you want, such as the number of pages to print and 2-sided printing (if supported by your machine).
- 10. Tap Print.

Related Information

Print Using AirPrint

■ 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 machine is in the printer list on your Mac computer.

- 1. Make sure your machine is turned on.
- 2. Load the paper in the paper tray and change the paper tray settings on your machine.
- 3. On your Mac computer, use Safari to open the page that you want to print.
- 4. Click the File menu, and then select Print.
- 5. Make sure your machine is selected. If a different machine (or no machine) is selected, click the **Printer** popup menu, and then select your machine.
- 6. Select the desired options, such as the number of pages to print and 2-sided printing (if supported by your machine).
- 7. Click Print.

Related Information

Print Using AirPrint

Related Topics:

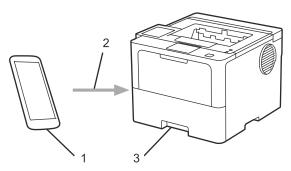
Before Using AirPrint (macOS)

Home > Mobile/Web Connect > Mopria[™] Print Service

Mopria[™] Print Service

Mopria[™] Print Service is a print feature on Android[™] mobile devices developed by the Mopria Alliance[™]. With this service, you can connect to the same network as your machine and print without additional setup.





- 1. Android[™] Mobile Device
- 2. Wi-Fi® Connection
- 3. Your Machine

You must download the Mopria[™] Print Service from Google Play[™] and install it on your Android[™] device. Before using this Mopria feature, make sure you enable it on your mobile device.

Related Information

• Mobile/Web Connect

■ Home > Mobile/Web Connect > Brother Mobile Connect

Brother Mobile Connect

Use Brother Mobile Connect to print from your mobile device.

For Android[™] devices:

Brother Mobile Connect allows you to use your Brother machine's features directly from your Android[™] device.

Download and install Brother Mobile Connect from Google Play[™].

• For all iOS or iPadOS supported devices including iPhone, iPad, and iPod touch:

Brother Mobile Connect allows you to use your Brother machine's features directly from your iOS or iPadOS device.

Download and install Brother Mobile Connect from the App Store.

Related Information

· Mobile/Web Connect

Related Topics:

Access Brother iPrint&Scan (Windows/Mac)

▲ Home > Mobile/Web Connect > Register an External IC Card Reader

Register an External IC Card Reader

Related Models: HL-L6410DN/HL-L6415DN

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 "https://machine's IP address" in your browser's address bar (where "machine's IP address" is your machine's IP address).

For example:

https://192.168.1.2

3. If required, type the password in the **Login** field, and then click **Login**.



The default password to manage this machine's settings is located on the back of the machine and marked "**Pwd**".

4. Go to the navigation menu, and then click **Administrator** > **External Card Reader**.



Start from =, if the navigation menu is not shown on the left side of the screen.

- 5. Enter the necessary information.
- 6. Click Submit.
- 7. Restart your Brother machine to activate the configuration.

Related Information

· Mobile/Web Connect

■ Home > Brother iPrint&Scan

Brother iPrint&Scan

• Access Brother iPrint&Scan (Windows/Mac)

■ Home > Brother iPrint&Scan > Access Brother iPrint&Scan (Windows/Mac)

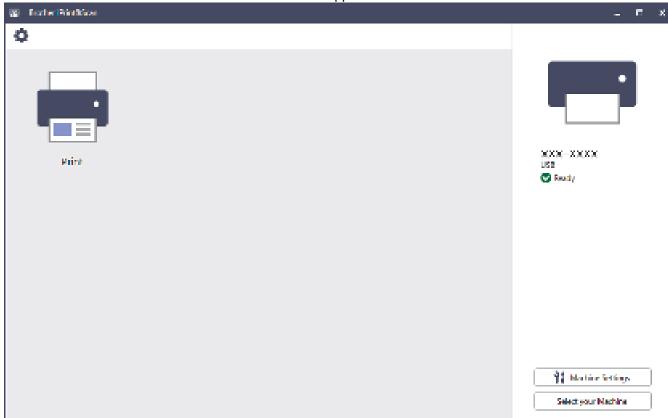
Access Brother iPrint&Scan (Windows/Mac)

Use Brother iPrint&Scan for Windows and Mac to print from your computer.

The following screen shows an example of Brother iPrint&Scan for Windows. The actual screen may differ depending on the version of the application.

- · For Windows
 - Go to your model's **Downloads** page at <u>support.brother.com</u> to download the latest application.
- For Mac

Download and install Brother iPrint&Scan from the App Store.





If prompted, install the driver and software necessary to use your machine. Download the installer from your model's **Downloads** page at support.brother.com.

4

Related Information

• Brother iPrint&Scan

Related Topics:

· Brother Mobile Connect

Troubleshooting

Use this section to resolve typical problems you may encounter when using your machine. You can correct most problems yourself.

IMPORTANT

For technical help, you must call Brother customer service or your local Brother dealer.



If you need additional help, visit 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*.

Related Information

- Error and Maintenance Messages
- · Error Messages When Using the Brother Web Connect Feature
- · Paper Jams
- Printing Problems
- · Improve the Print Quality
- Network Problems
- AirPrint Problems
- Other Problems
- · Check the Machine Information
- · Reset Functions

■ Home > Troubleshooting > Error and Maintenance Messages

Error and Maintenance Messages

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.

- >> HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW
- >> HL-L6410DN/HL-L6415DN

HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW

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.
	The 2-sided tray is not installed completely.	Install the 2-sided tray firmly in the machine.
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.
Cannot Detect	Your machine cannot detect the toner cartridge.	Remove the toner cartridge and drum unit assembly. Remove the toner cartridge from the drum unit, and reinstall the toner cartridge back in the drum unit.
		Reinstall the toner cartridge and drum unit assembly back in the machine.
		See Related Information: Replace the Toner Cartridge.
Cannot Print##	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 or your local Brother dealer.
Change T1 Paper?	The standard paper tray is not installed or not installed correctly.	Reinstall the standard paper tray.
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.	Close the fuser cover located inside the back cover of the machine.

Error Message	Cause	Action
Drum !	The corona wire on the drum unit	Clean the corona wire on the drum unit.
	must be cleaned.	
		See Related Information: Clean the Corona Wire.
		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 cartridge from the drum unit, and put the toner cartridge back into the drum unit. Reinstall the drum unit in the machine.
Drum End Soon	The drum unit is near the end of its life.	Order a new drum unit before the LCD displays Replace Drum.
Jam 2-sided	The paper is jammed in the 2-sided tray or inside the back cover.	Remove the 2-sided tray and 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 Go .
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 Go .
Jam Tray 1	The paper is jammed in the	Pull out the paper tray indicated on the LCD
Jam Tray 2	indicated paper tray.	and remove all jammed paper.
Jam Tray 3		
Jam Tray 4		
Limit Exceeded	The print limit set in Secure Function Lock 3.0 was reached.	Contact your administrator to check your Secure Function Lock Settings.
Media 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 Drum Unit	The drum unit is not installed correctly.	Reinstall the toner cartridge and drum unit assembly.
		See Related Information: Replace the Drum Unit.
No Paper	The machine is out of paper, or paper is not loaded correctly in the	Refill paper in the paper trays. Make sure the paper guides are set to the correct size.
	paper trays.	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.

Error Message	Cause	Action
No Paper Fed T1	The machine cannot feed paper	Pull out the paper tray indicated on the LCD
No Paper Fed T2	from the indicated paper tray.	and remove all jammed paper. Press Go .
No Paper Fed T3		
No Paper Fed T4		
No Paper MP	The MP tray is out of paper, or	Do one of the following:
	paper is not loaded correctly in the MP tray.	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	The machine cannot feed paper	Do one of the following:
No Paper T2	from the indicated paper tray.	Refill paper in the paper tray indicated on
No Paper T3 No Paper T4		the LCD. Make sure the paper guides are set to the correct size.
NO raper 14		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 or the toner cartridge and drum unit assembly is not installed correctly.	Remove the toner cartridge and drum unit assembly. Remove the toner cartridge from the drum unit, and reinstall the toner cartridge back in the drum unit.
		Reinstall the toner cartridge and drum unit assembly back in the machine. If the problem continues, replace the toner cartridge with a new one.
		See Related Information: Replace the Toner Cartridge.
No Tray T1	The paper tray is not installed or	Reinstall the paper tray indicated on the LCD.
No Tray T2	not installed correctly.	
No Tray T3		
No Tray T4		
Out of Memory	The machine's memory is full.	Press and hold Go for about two seconds and reduce the print resolution.
Output Tray Full	The output paper tray is full.	Remove the printed paper from the Face-down output tray.
Paper Low Tray 1	The paper tray is nearly empty.	Refill the paper in the paper tray indicated on
Paper Low Tray 2		the LCD.
Paper Low Tray 3		
Paper Low Tray 4		
Print Data Full	The machine's memory is full.	Press Cancel and delete the previously stored print data.
Replace Drum	It is time to replace the drum unit.	Replace the drum unit with a new one.
	in a unio to ropiaso uno aram unio	See Related Information: Replace the Drum Unit.
Replace Toner	The toner cartridge is at the end of its life. The machine stops all print operations.	Replace the toner cartridge with a new one. See Related Information: Replace the Toner Cartridge.
Self-Diagnostic	The fuser unit does not work correctly.	Press and hold (1) to turn the machine off,
	The fuser unit is too hot.	wait a few seconds, and then turn it on again. Leave the machine idle for 15 minutes with the power on.

Error Message	Cause	Action
Size Error	The paper tray you selected does not support the paper size specified in the printer driver.	Change the printer driver setting or machine's tray setting so that the paper size selected in the printer driver matches the paper size loaded in the tray you selected.
Size Error DX	The paper size specified in the machine's paper size setting is not suitable for automatic 2-sided printing. The paper in the tray is not the correct size and is not suitable for automatic 2-sided printing.	Press and hold Go for about two seconds (if required). Load the correct size of paper in the tray and set the tray for that paper size. Choose a paper size suitable for 2-sided printing. The paper size suitable 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. Press Go .
Storage Full	The USB flash memory drive you are using does not have enough free space to store secure print data.	Delete the previously stored secure print data.
Toner Low	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 now so you have it ready when the LCD displays Replace Toner.
Too Many Trays	The number of installed Optional Trays exceeds the maximum number.	Reduce the number of Optional Trays.
Unusable Device	An unsupported USB device has been connected to the USB accessory port. A defective USB device or a high power consumption USB device has been connected to the USB accessory port.	 Unplug the device from the USB accessory port. Press and hold (1) to turn the machine off, and then turn it on again.

HL-L6410DN/HL-L6415DN

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.	
	The 2-sided tray is not installed completely.	Install the 2-sided tray firmly in the machine.	
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.	
Cannot Detect	Your machine cannot detect the toner cartridge.	Remove the toner cartridge and drum unit assembly. Remove the toner cartridge from the	
	Your machine cannot detect the drum unit.	drum unit, and reinstall the toner cartridge back in the drum unit. Reinstall the toner cartridge and drum unit assembly back in the machine.	

Error Message	Cause	Action
Cannot Print##	The machine has a mechanical problem.	 Press and hold (1) to turn the machine off, wait a few minutes, and then turn it on again. If the problem continues, contact Brother customer service or your local Brother dealer.
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.	Close the fuser cover located inside the back cover of the machine.
Cover is Open	The Mailbox back cover is not completely closed.	Close the Mailbox back cover.
Drum !	The corona wire on the drum unit must be cleaned.	Clean the corona wire on the drum unit. See Related Information: Clean the Corona Wire. 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 toner cartridge and drum unit assembly. Remove the toner cartridge from the drum unit, and reinstall the toner cartridge back into the drum unit. Reinstall the toner cartridge and drum unit assembly into the machine.
Drum Error	The drum unit is not installed correctly.	Reinstall the toner cartridge and drum unit assembly. If the problem continues, replace the drum unit with a new one.
Jam 2-sided	The paper is jammed in the 2-sided tray or inside the back cover.	Remove the 2-sided tray and 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 Mailbox	The paper is jammed in the Mailbox unit.	Remove all jammed paper from the Mailbox unit as shown on the LCD.
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 Tray1 Jam Tray2 Jam Tray3	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 Tray4		
Limit Exceeded	The print limit set in Secure Function Lock 3.0 was reached.	Contact your administrator to check your Secure Function Lock Settings.
Many Output Trays	Either bin 2 tray or bin 4 tray was removed from the Mailbox unit.	To use the Mailbox unit in 2-bin mode, remove both bin 2 tray and bin 4 tray. To use the Mailbox unit in 4-bin mode, install both bin 2 tray and bin 4 tray.
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 Drum	The drum unit is not installed correctly.	Reinstall the toner cartridge and drum unit assembly. See Related Information: Replace the Drum Unit.
No Drum Unit	The drum unit is not installed correctly.	Reinstall the toner cartridge and drum unit assembly. See Related Information: Replace the Drum Unit.
No HUB Support	A USB hub device is connected to the USB accessory port.	Disconnect the USB hub device from the USB accessory port.
No Paper	The machine is out of paper, or paper is not loaded correctly in the paper trays.	 Refill paper in the paper trays. 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 Fed Tray1 No Paper Fed Tray2 No Paper Fed Tray3 No Paper Fed Tray4	The machine cannot feed paper from the indicated paper tray.	Do not overfill the paper tray. Pull out the paper tray indicated on the LCD and remove all jammed paper. Press Retry.
No Paper MP Tray	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 Tray1 No Paper Tray2 No Paper Tray3 No Paper Tray4	The machine cannot 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.

Error Message	Cause	Action
No Response	An unsupported USB device has been connected to the USB accessory port.	 Unplug the device from the USB accessory port. Press and hold (1) to turn the machine off,
		and then turn it on again.
		See Related Information: Secure Print Using a USB Flash Drive.
No Toner	The toner cartridge is not installed correctly.	Remove the toner cartridge and drum unit assembly. Remove the toner cartridge from the drum unit, and reinstall the toner cartridge back in the drum unit.
		See Related Information: Replace the Toner Cartridge.
No Tray1	The paper tray is not installed or	Reinstall the paper tray indicated on the LCD.
No Tray2	not installed correctly.	
No Tray3		
No Tray4		
Out of Memory	The machine's memory is full.	Press and reduce the print resolution.
Output Tray Full	The output paper tray is full.	Remove the printed paper from the output tray indicated on the LCD.
Paper Low	The paper tray is nearly empty.	Refill the paper in the paper tray indicated on
Paper Low Tray 1		the LCD.
Paper Low Tray 2		
Paper Low Tray 3		
Paper Low Tray 4		
Print Data Full	The machine's memory is full.	Press and delete the previously stored secure print data.
Replace Toner	The toner cartridge is at the end of its life.	Replace the toner cartridge with a new one. See Related Information: Replace the Toner Cartridge.
Screen Init. Fail	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.
Self-Diagnostic	The fuser unit does not work correctly.	Press and hold (b) to turn the machine off,
	The fuser unit is too hot.	wait a few seconds, and then turn it on again. Leave the machine idle for 15 minutes with the power on.
Size Error	The paper tray you selected does not support the paper size specified in the printer driver.	Change the printer driver setting or machine's tray setting so that the paper size selected in the printer driver matches the paper size loaded in the tray you selected.
Size Error 2-sided	The paper size specified in the machine's paper size setting is not suitable 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 suitable for automatic 2-sided printing.	Choose a paper size suitable for 2-sided printing. The paper size suitable for automatic 2-sided printing is A4.

Error Message	Cause	Action
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. Press Retry.
Storage device not recognized	Your machine cannot read from or write to the USB flash memory drive.	Press and hold to turn the machine off, and then turn it on again. If the problem continues, reset the Job save location. See Related Information: Secure Print Using a USB Flash Drive.
Storage Full	The USB flash memory drive you are using does not have enough free space to store print data.	Delete the previously stored print data from the USB flash memory drive.
Supplies Drum End Soon Supplies Replace Drum	The drum unit is near the end of its life. It is time to replace the drum unit.	Order a new drum unit before the LCD displays Replace Drum. Replace the drum unit with a new one. See Related Information: Replace the Drum
Supplies Toner Low:	If the LCD displays this message, you can still print. The toner cartridge is near the end of its life.	Unit. Order a new toner cartridge now so you have it ready when the LCD displays Replace Toner.
Too Many Trays	The number of installed Optional Trays exceeds the maximum number.	Reduce the number of Optional Trays.
Tray removed	The standard paper tray is not installed or not installed correctly.	Reinstall the standard paper tray.
Unusable Device	A defective USB device or a high power consumption USB device has been connected to the USB accessory port.	 Unplug the device from the USB accessory port. Press and hold (1) to turn the machine off, and then turn it on again.
USB flash drive not detected	Your machine cannot detect a USB flash memory drive.	Insert a USB flash memory drive to the USB accessory port.
Wrong Drum	The installed drum unit is not correct for your machine.	Remove the drum unit, and install a drum unit with the correct supply product code. See Related Information: Replace the Drum Unit.
Wrong Toner Cartridge	The installed toner cartridge is not the correct toner cartridge for your machine.	Remove the toner cartridge from the drum unit, and install a toner cartridge with the correct supply product code. See Related Information: Replace the Toner Cartridge.

J

Related Information

• Troubleshooting

Related Topics:

- Clean the Corona Wire
- Replace the Toner Cartridge
- Replace the Drum Unit
- Secure Print Using a USB Flash Drive

▲ Home > Troubleshooting > Error Messages When Using the Brother Web Connect Feature

Error Messages When Using the Brother Web Connect Feature

Related Models: HL-L6410DN/HL-L6415DN

Your machine displays an error message if an error occurs. The most common error messages are shown in the table.

You can correct most errors yourself. If, after reading this table, you still need help, see the latest troubleshooting tips at support.brother.com.

Connection Error

Error Messages	Cause	Action
Connection Error 02 Network connection failed.	The machine is not connected to a network.	Make sure the eligible IP address is assigned to your machine.
Verify that the network connection is good.		Check your access point/router is active and the Internet connection is established.
		Make sure the wireless router/ access point is on.
		If the Web button was pressed soon after the machine was turned on, the network connection may not have been established yet. Wait and try again.
Connection Error 03 Connection failed to server.	Network or server settings are incorrect.	Confirm that network settings are correct, or wait and try again later.
Check network settings.	There is a problem with the network or server.	If the Web button was pressed soon after the machine was turned on, the network connection may not have been established yet. Wait and try again.
		See Related Information: Configure Date and Time Using Web Based Management.
Connection Error 07	Date and time settings are incorrect.	Set the date and time correctly. Note
Connection failed to server. Wrong Date&Time.		that if the machine's power cord is disconnected, the date and time settings may have reset to factory settings.

Authentication Error

Error Messages	Cause	Action
Authentication Error 01 Incorrect PIN code. Enter PIN correctly.	The PIN you entered to access the account is incorrect. The PIN is the four-digit number that was entered when registering the account to the machine.	Enter the correct PIN.
Authentication Error 02 Incorrect or expired ID, or	The temporary ID that was entered is incorrect.	Enter the correct temporary ID.
this temporary ID is already used. Enter correctly or reissue temporary ID. Temporary ID is valid for 24 hours after it is issued.	The temporary ID that was entered has expired. A temporary ID is valid for 24 hours.	Apply for Brother Web Connect access again and receive a new temporary ID, and then use the new ID to register the account to the machine.

Error Messages	Cause	Action
Authentication Error 03 Display name has already been registered. Enter another display name.	The name you entered as the display name has already been registered to another service user.	Enter a different display name.

Server Error

Error Messages	Cause	Action
Server Error 01 Authentication failed. Do the following: 1. Go to http://bwc.brother.com to get a new temporary ID. 2. Press OK and enter your new temporary ID in the next screen.	The machine's authentication information (needed to access the service) has expired or is invalid.	Apply for Brother Web Connect access again to receive a new temporary ID, and then use the new ID to register the account to the machine.
Server Error 13 Service temporarily unavailable. Try again later.	There is a problem with the service and it cannot be used now.	Wait and try again. If you get the message again, access the service from a computer to confirm if it is unavailable.

4

Related Information

• Troubleshooting

Related Topics:

• Configure Date and Time Using Web Based Management

■ 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.

- Clear 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 in the 2-sided Tray
- · Paper is Jammed in the Mailbox Unit

■ Home > Troubleshooting > Paper Jams > Clear Paper Jams

Clear Paper Jams

If paper is jammed or multiple sheets of paper are fed together frequently, do the following:

Clean the paper pick-up rollers and the separator pad of paper trays.

See Related Information: Clean the Paper Pick-up Rollers.

Load paper correctly in the tray.

See Related Information: Load Paper.

Set the correct paper size and paper type on your machine.

See Related Information: Paper Settings.

Set the correct paper size and paper type on your computer.

See Related Information: Print a Document (Windows).

See Related Information: Print Using AirPrint.

Use the recommended paper.

See Related Information: Using Special Paper.

See Related Information: Recommended Print Media.

Related Information

Paper Jams

Related Topics:

- Clean the Paper Pick-up Rollers
- · Load Paper
- Paper Settings
- Print a Document (Windows)
- Print Using AirPrint
- · Using Special Paper
- · Recommended Print Media

■ Home > Troubleshooting > Paper Jams > Paper is Jammed in the MP tray

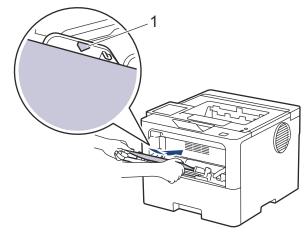
Paper is Jammed in the MP tray

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. Slowly 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 mark (1) on both sides of the tray.



5. Follow the instructions on the machine's LCD.

Related Information

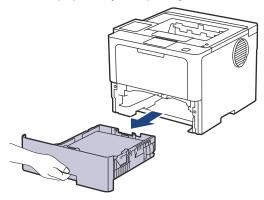
• Paper Jams

■ Home > Troubleshooting > Paper Jams > Paper is Jammed in the Paper Tray

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.



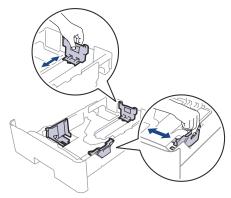
2. Slowly pull out the jammed paper.





Pulling the jammed paper downwards 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. Load paper in the paper tray.



4. Make sure the paper is below the maximum paper mark (▼ ▼ ▼).



5. Put the paper tray firmly back in the machine.



Related Information

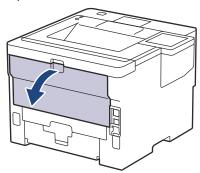
• Paper Jams

▲ Home > Troubleshooting > Paper Jams > Paper is Jammed in the Back of the Machine

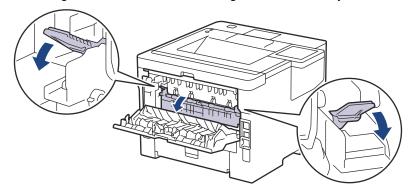
Paper is Jammed in the Back of the Machine

If the machine's control panel or the Status Monitor indicates that there is a jam in the back of the machine (Jam Rear), do the following:

- 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.



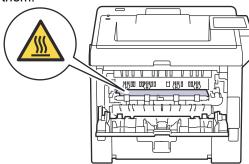
3. Pull the green levers at the left and right sides towards you to release the fuser cover.



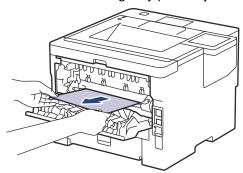
MARNING

HOT SURFACE

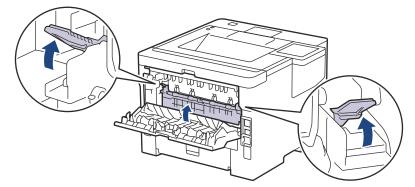
The machine's internal parts will be extremely hot. Wait for the machine to cool down before touching them.



4. Use both hands to gently pull the jammed paper out of the machine.



5. Close the fuser cover.



6. Close the back cover until it locks in the closed position.



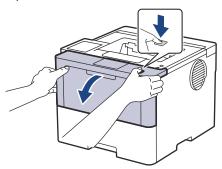
• Paper Jams

▲ Home > Troubleshooting > Paper Jams > Paper is Jammed inside the Machine

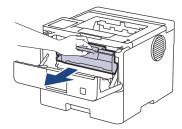
Paper is Jammed inside the Machine

If the machine's control panel or the Status Monitor indicates that there is a jam inside the machine, follow these steps:

- 1. Leave the machine turned on for 10 minutes for the internal fan to cool the extremely hot parts inside the machine.
- 2. Open the front cover.



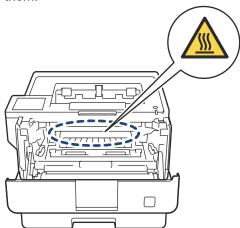
3. Remove the toner cartridge and drum unit assembly.



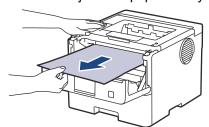
▲ WARNING

HOT SURFACE

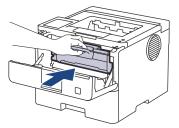
The machine's internal parts will be extremely hot. Wait for the machine to cool down before touching them.



4. Pull out the jammed paper slowly.



5. Install the toner cartridge and drum unit assembly into the machine.



6. Close the front cover.



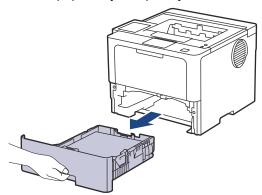
• Paper Jams

▲ Home > Troubleshooting > Paper Jams > Paper is Jammed in the 2-sided Tray

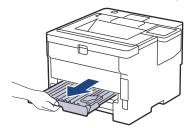
Paper is Jammed in the 2-sided Tray

If the machine's control panel or the Status Monitor indicates that there is a jam in the 2-sided paper tray, follow these steps:

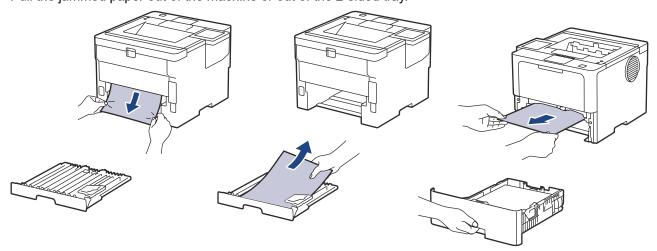
- 1. Leave the machine turned on for 10 minutes for the internal fan to cool the extremely hot parts inside the machine.
- 2. Pull the paper tray completely out of the machine.



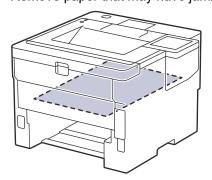
3. At the back of the machine, pull the 2-sided tray completely out of the machine.



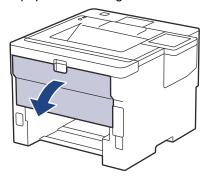
4. Pull the jammed paper out of the machine or out of the 2-sided tray.



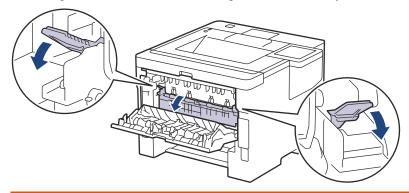
5. Remove paper that may have jammed under the machine due to static electricity.



6. If paper is not caught inside the 2-sided tray, open the back cover.



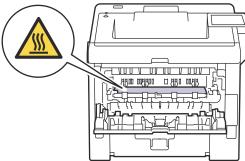
7. Pull the green levers at the left and right sides towards you to release the fuser cover.



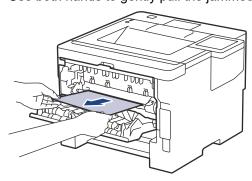
▲ WARNING

HOT SURFACE

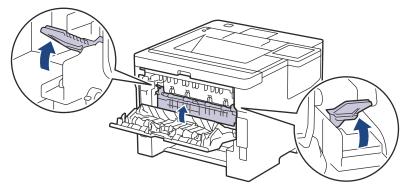
The machine's internal parts will be extremely hot. Wait for the machine to cool down before touching them.



8. Use both hands to gently pull the jammed paper out of the back of the machine.



9. Close the fuser cover.



- 10. Close the back cover until it locks in the closed position.
- 11. Put the 2-sided tray firmly back in the rear of the machine.
- 12. Put the paper tray firmly back in the front of the machine.

Related Information

• Paper Jams

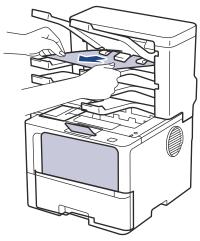
▲ Home > Troubleshooting > Paper Jams > Paper is Jammed in the Mailbox Unit

Paper is Jammed in the Mailbox Unit

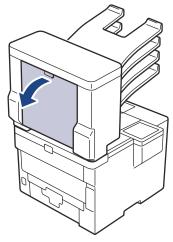
Related Models: HL-L6410DN/HL-L6415DN

If the machine's control panel or the Status Monitor indicates that there is a jam in the Mailbox unit, follow these steps:

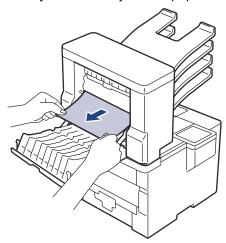
1. Slowly remove the jammed paper out of the Mailbox bin indicated on the LCD.



2. If the error continues, open the Mailbox's back cover.



3. Slowly remove the jammed paper out of the Mailbox unit.



4. Close the Mailbox's back cover until it locks in the closed position.



Related Information

• Paper Jams

Printing Problems

If, after reading the information in this table, you still need help, see the latest troubleshooting tips at support.brother.com/faqs.

Difficulties	Suggestions
No printout	Check the machine is not in Power Off mode.
	If the machine is in Power Off mode, press (b), 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.
	Check that the machine is online:
	Windows 11
	Click - > All apps > Windows Tools > Control
	Panel. In the Hardware and Sound group, click View devices and printers. Right-click your model's icon, and 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.
	Windows 10, Windows Server 2016, Windows Server 2019, and Windows Server 2022
	Click = > Windows System > Control Panel. In
	the Hardware and Sound (Hardware) group, click View devices and printers. Right-click your model's name. 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 your model's name. 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.
	Windows Server 2012
	Move your mouse to the lower right corner of your desktop. When the menu bar appears, click Settings > Control Panel > Hardware > View devices and printers. Right-click your model's name. 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.
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.

Difficulties	Suggestions
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. Supported paper weight is 60 to 105g/m²
Print speed is too slow.	Reduce the resolution in the printer driver.
	If you have enabled Quiet Mode, disable it in the printer driver or the machine's menu.
	When printing continuously, the printing speed may be automatically reduced to lower the temperature inside the machine.
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.
	Fan the stack of paper well and place it back to the paper tray.
	Reduce the amount of paper in the paper tray, and then try again.
	(For models with MP Tray) 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.
(For models with MP Tray)	Make sure MP Tray is selected as the 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.
Print position is misaligned with the letterhead or preprinted objects.	Adjust the print position using the Print Position setting for each paper tray.

1

Related Information

Troubleshooting

Related Topics:

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

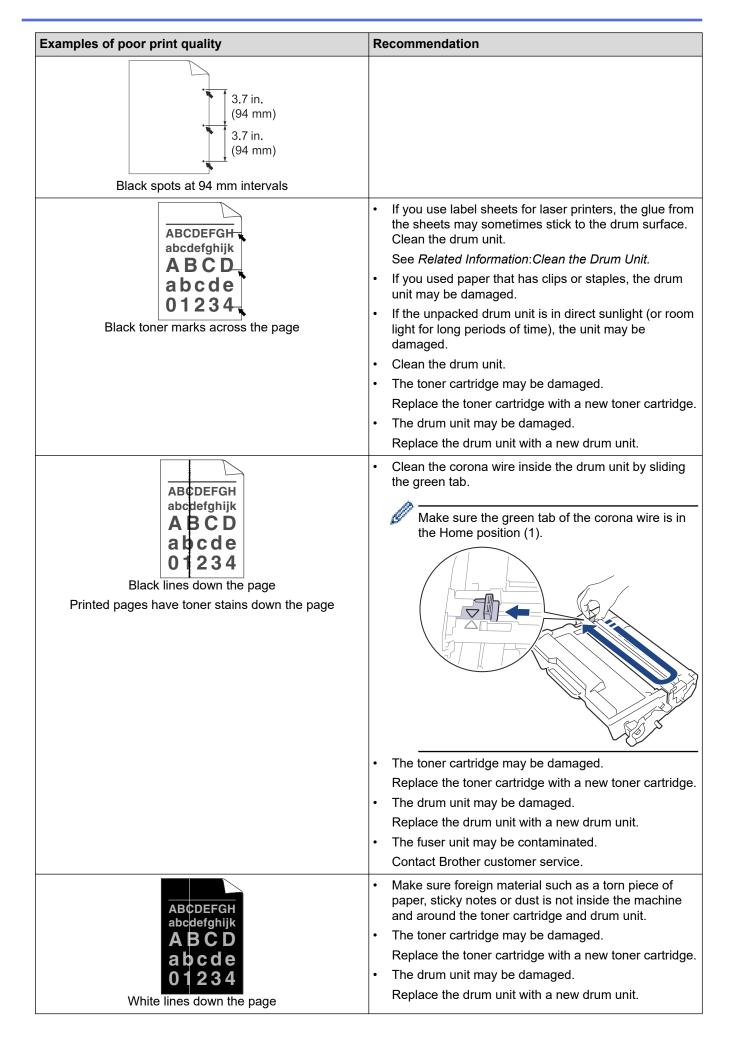
Improve the Print Quality

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.

- 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 toner cartridge and drum unit are installed correctly.

Examples of poor print quality	Recommendation
ADDRESS	If the machine indicates Replace Toner status, install a new toner cartridge.
ABCDEFGH abcdefghijk ABCD	 Check the machine's environment. Conditions such as humidity, high temperatures, and so on, may cause this print fault.
abcde 01234 Faint	 If the whole page is too light, Toner Save may be turned on. Turn off Toner Save mode in the machine's menu settings or the printer driver.
	Clean the drum unit.
	Clean the corona wire on the drum unit.
	Replace the toner cartridge with a new toner cartridge.
	Replace the drum unit with a new drum unit.
ABCDEFGH	 Check the machine's environment. Conditions such as high temperatures and high humidity can increase the amount of background shading.
abcdefghijk ABCD	Clean the drum unit.
abcde	Replace the toner cartridge with a new toner cartridge.
01234	Replace the drum unit with a new drum unit.
Grey background	
В	Check the machine's environment. Conditions such as low humidity and low temperatures may cause this print quality problem.
B	Select the appropriate media type in the printer driver.
	Select the appropriate media type in the menu setting.
B	Clean the drum unit.
	Replace the drum unit with a new drum unit.
Ghosting images	Replace the toner cartridge with a new toner cartridge.
	The fuser unit may be contaminated.
	Contact Brother customer service.
	Make sure the media type setting in the driver matches the type of paper you are using.
ABCDEFGH abcdefghijk	Clean the drum unit.
ABCD	The toner cartridge may be damaged.
abcde	Replace the toner cartridge with a new toner cartridge.
01234	The drum unit may be damaged.
	Replace the drum unit with a new drum unit.
Toner specks	The fuser unit may be contaminated.
	Contact Brother customer service.

Examples of poor print quality	Recommendation
	Select Thick Paper mode in the printer driver or use thinner paper than you are currently using.
	Select the appropriate media type in the menu setting.
	Check the machine's environment. Conditions such as high humidity can cause hollow print.
	The drum unit may be damaged.
Hollow print	Replace the drum unit with a new drum unit.
	Clean the corona wire inside the drum unit.
	The drum unit may be damaged.
All black	Replace the drum unit with a new drum unit.
	Select the appropriate media type in the printer driver.
ABCDEFGH	Select the appropriate media type in the menu setting.
abcdefghijk - ABCD	The problem may disappear by itself. Print multiple blank pages to clear this problem, especially if the
abcde	machine has not been used for a long time.Clean the drum unit.
01234	The drum unit may be damaged.
White lines across the page	Replace the drum unit with a new drum unit.
	Clean the drum unit.
ABC DEFGH	The drum unit may be damaged.
abcdefghijk	Replace the drum unit with a new drum unit.
AB CD	·
ab cde	
01 234	
Lines across the page	
ADODEFUN	Check the machine's environment. Conditions such as high humidity and high temperatures may cause this print quality problem.
abcdefghijk	Clean the drum unit.
2 h o d o	If the problem is not solved after printing a few pages,
01004	replace the drum unit with a new drum unit.
White lines, bands or ribbing across the page	
writte iiies, bailds of flubility across the page	If the amphilone is not called a first with the second
3.7 in.	 If the problem is not solved after printing a few pages, the drum unit may have foreign material, such as glue from a label, stuck on the drum. Clean the drum unit.
(94 mm)	See Related Information:Clean the Drum Unit.
3.7 in.	The drum unit may be damaged.
(94 mm)	Replace the drum unit with a new drum unit.
White Spots on black text and graphics at 94 mm intervals	



Examples of poor print quality	Recommendation
ABCDEFGH abcdefghijk ABCD abcde 01234 Image skewed	 Make sure the paper or other print media is loaded correctly in the paper tray and the guides are not too tight or too loose against the paper stack. Set the paper guides correctly. The paper tray may be too full. Check the paper type and quality. Check for loose objects such as torn paper inside the machine. If the problem only occurs during automatic 2-sided printing, check for torn paper in the 2-sided tray. Verify the 2-sided tray is inserted completely and the back cover is closed completely.
ABCDEFGH abcdefghijk ABCD abcde 01234 Curled or wavy image	 Check the paper type and quality. High temperatures and high humidity will cause paper to curl. 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. Open the back cover (face up output tray) to let the printed paper exit onto the face up output tray. Choose Reduce Paper Curl mode in the printer driver when you do not use our recommended print media.
ABCDEFGH abcdefghijk ABCD abcde 01234 Wrinkles or creases	 Make sure paper is loaded correctly. Check the paper type and quality. Turn over the stack of paper in the tray or rotate the paper 180° in the input tray.
Poor fixing	 Make sure the media type setting in the printer driver matches the type of paper you are using. Select 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, select Env. Thick in the media type setting.
ABCDEFG Envelope creases	 Make sure envelopes are printed with the back cover (face up output tray) opened. (For models with MP Tray) Make sure envelopes are fed only from the MP tray.

Related Information

• Troubleshooting

Related Topics:

- Test Print
- Replace the Toner Cartridge
- Reduce Toner Consumption
- Replace the Drum Unit
- Clean the Drum Unit

■ Home > Troubleshooting > Network Problems

Network Problems

- Error Messages
- Use the Network Connection Repair Tool (Windows)
- Check Your Machine's Network Settings
- If You Are Having Difficulty with Your Machine's Network

Error Messages

The most common error messages are shown in the table.

- >> HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW
- >> HL-L6410DN/HL-L6415DN

HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW

Error Messages	Cause	Action
Maximum limit of connected devices has been reached. Press OK Key	Four mobile devices are already connected to the Wi-Fi Direct network when the Brother machine is the Group Owner.	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 SNTP time server settings are configured correctly so the time matches the time used for authentication by Kerberos or NTLMv2.
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 Fail	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 destination folder name is correct. Make sure the destination folder is write-enabled. Make sure the print log file is not locked. If it is, contact your network administrator.
Log Access Error	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.
No Device	When configuring the Wi-Fi Direct network, the Brother machine cannot find your mobile device.	 Make sure your machine and mobile device are in the Wi-Fi Direct mode. 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 obtaining an IP address, make sure your mobile device's IP address has been configured via DHCP.
Server Timeout, contact your administrator.	The Brother machine cannot connect to the server for the Store Print Log to Network feature.	 Make sure your server address is correct. Make sure your server is connected to the network. Make sure the machine is connected to the network.

Error Messages	Cause	Action
Server Timeout, contact your administrator.	The Brother machine cannot connect to the LDAP server.	 Make sure your server address is correct. Make sure your server is connected to the network. Make sure the machine is connected to the network.
	The Brother machine cannot connect to the Active Directory server.	 Make sure your server address is correct. Make sure your server is connected to the network. Make sure the machine is connected to the network.
Wrong Date & Time, contact your administrator.	The Brother machine does not obtain the time from the SNTP time server.	Make sure the settings to access the SNTP time server are configured correctly in Web Based Management.

HL-L6410DN/HL-L6415DN

Error Messages	Cause	Action
The maximum number of devices are already connected using Wi-Fi Direct. Press [OK].	Four mobile devices are already connected to the Wi-Fi Direct network when the Brother machine is the Group Owner.	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. See Related Information: Print 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 SNTP time server settings are configured correctly so the time matches the time used for authentication by Kerberos or NTLMv2.
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 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.
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 destination folder name is correct. Make sure the destination folder is write-enabled. Make sure the print log file is not locked. If it is, contact your network administrator.
Log Access Error	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.
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.

Error Messages	Cause	Action
	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 obtaining an IP address, make sure your mobile device's IP address has been configured via DHCP.
Server timeout,	The Brother machine cannot	Make sure your server address is correct.
contact your administrator.	connect to the server for the Store Print Log to Network	Make sure your server is connected to the network.
daministrator.	feature.	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, contact your administrator.	The Brother machine does not obtain the time from the SNTP time server.	Make sure the settings to access the SNTP time server are configured correctly 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 Web Based Management.
	The Brother machine's CIFS protocol is disabled.	

4

Related Information

• Network Problems

Related Topics:

• Print the Network Configuration Report

■ 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.

Make sure your machine is turned on and is connected to the same network as your computer.

- 1. Launch (Brother Utilities), and then click the drop-down list and select your model name (if not already selected).
- 2. Click Tools in the left navigation bar, and then click Network Connection Repair Tool.
- 3. Follow the on-screen instructions.
- 4. Check the diagnosis by printing the Network Configuration Report or the Printer Settings page.



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.

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Related Information

· Network Problems

Related Topics:

- · Print the Network Configuration Report
- My Machine Cannot Print over the Network
- · I Want to Check that My Network Devices are Working Correctly

▲ Home > Troubleshooting > Network Problems > Check Your Machine's Network Settings

Check Your Machine's Network Settings

• Print the Network Configuration Report

▲ Home > Troubleshooting > Network Problems > If You Are Having Difficulty with Your Machine's Network

If You Are Having Difficulty with Your Machine's Network

If you think there is a problem with your machine's network environment, check the following topics. You can correct most problems yourself.

If you need additional help, visit support.brother.com and click the FAQs & Troubleshooting page.

- I Cannot Complete the Wireless Network Setup Configuration
- My Machine Cannot Print over the Network
- I Want to Check that My Network Devices are Working Correctly

■ Home > Troubleshooting > Network Problems > If You Are Having Difficulty with Your Machine's Network > I Cannot Complete the Wireless Network Setup Configuration

I Cannot Complete the Wireless Network Setup Configuration

Related Models: HL-L5210DW/HL-L6210DW/HL-L6410DN/HL-L6415DN

NOTE

(HL-L6410DN/HL-L6415DN)

The wireless network connection can be used only when the optional Wireless Module is installed.

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 Wireless Setup Helper (Windows). For more information and to download the utility, go to your model's Downloads page 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 or Network Key manually.	Wireless
point/router is in Stealth mode (not broadcasting the SSID).	Check the SSID or the Network Key in the instructions supplied with your wireless LAN access point/router and reconfigure the wireless network setup.	
Your machine is trying to connect to a 5 GHz Wi-Fi	Change the channel on your wireless LAN access point/router to a channel supported by your machine.	Wireless
network. The current channel set on your wireless LAN access point/router is not supported.	Confirm the channels supported by your machine. Go to support.brother.com/g/d/a5m6/, select your model, and then click Download for more information.	
	2. Check your wireless LAN access point/router's channel setting. Make sure it is set to one of the channels supported by your machine, and not set to "Auto" or "Automatic". For more information about changing the channel setting, see the instructions supplied with your wireless LAN access point/router.	
	3. Try to connect your machine to your Wi-Fi network again.	
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 Group Owner.	Wi-Fi Direct

Cause	Action	Interface
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 your mobile device.	Move other devices away from the Brother machine or your mobile device.	Wi-Fi Direct
You have checked and tried all of the above, but your Brother machine still cannot complete the Wi-Fi Direct configuration.	 Turn your Brother machine off and back on. Then, try to configure the Wi-Fi Direct settings again. If you are using your Brother machine as a client, confirm how many devices are allowed on the current Wi-Fi Direct network, and then check how many devices are connected. 	Wi-Fi Direct

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.



Related Information

• If You Are Having Difficulty with Your Machine's Network

Related Topics:

• Configure Your Machine for a Wireless Network When the SSID Is Not Broadcast

My Machine Cannot Print over the Network

NOTE

(HL-L6410DN/HL-L6415DN)

The wireless network connection can be used only when the optional Wireless Module is installed.

Cause	Action	Interface
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.	Wired/Wireless
	To allow access, see the instructions for your security software or ask the software manufacturer.	
Your Brother machine was not assigned an available IP address.	Confirm the IP address and the Subnet Mask.	Wired/Wireless
	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.	
A failed print job is still in	If a failed print job is still in your computer's print queue, delete it.	Wired/Wireless
your computer's print queue.	Otherwise, double-click the printer icon in the following folder and cancel all documents:	
	- Windows 11	
	Click All apps > Windows Tools > Control Panel. In	
	the Hardware and Sound group, click View devices and printers.	
	- Windows 10, Windows Server 2016, Windows Server 2019, and Windows Server 2022	
	Click : > Windows System > Control Panel. In the	
	Hardware and Sound (Hardware) group, click View devices and printers.	
	- Windows Server 2012 R2	
	Click Control Panel on the Start screen. In the Hardware group, click View devices and 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 .	
	- Mac	
	Click System Preferences > Printers & Scanners.	
Your machine is not connected to the wireless network.	Print the WLAN Report to check the error code on the printed report.	Wireless
	See Related Information: Print the WLAN Report.	

If you have checked and tried all of the above, but your machine still cannot print, uninstall the driver (Windows) and reinstall it.

Related Information

• If You Are Having Difficulty with Your Machine's Network

Related Topics:

- 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 > If You Are Having Difficulty with Your Machine's Network > I Want to Check that My Network Devices are Working Correctly

I Want to Check that My Network Devices are Working Correctly

NOTE

(HL-L6410DN/HL-L6415DN)

The wireless network connection can be used only when the optional Wireless Module is installed.

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 LED is blinking. All protective packaging has been removed from the machine. The toner cartridge and drum unit assembly is installed correctly. The machine's cover is fully closed. Paper is loaded 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 on the Network Configuration Report or the Printer Settings page.	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 your administrator about the IP address and the subnet mask, and then use the Network Connection Repair Tool. 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. See Related Information: Print the WLAN 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 access point/router to find the SSID (Network Name) and the Network Key (Password) information and set them correctly.

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Related Information

· If You Are Having Difficulty with Your Machine's Network

Related Topics:

- · Print the Network Configuration Report
- Print the WLAN Report
- Wireless LAN Report Error Codes

- Use the Network Connection Repair Tool (Windows)
- My Machine Cannot Print over the Network

■ Home > Troubleshooting > AirPrint Problems

AirPrint Problems

NOTE

For certain models, the wireless network connection can be used only when the optional Wireless Module is installed.

Difficulty	Suggestions
My machine is not displayed in the printer list.	Make sure your machine is turned on.
	Make sure your machine and your mobile device or Mac are connected to the same network.
	Move the mobile device closer to the wireless access point/router, or to your machine.
I cannot print.	Make sure your machine is turned on.
	Make sure your machine and your mobile device or Mac are connected to the same network.
I am trying to print a multiple-page document from an iOS device, but ONLY the first page is printing.	Make sure you are running the latest OS version.

4

Related Information

Troubleshooting

Related Topics:

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 (்) to turn the machine on.
	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. Windows 11:
	Click > All apps > Windows Tools > Control
	Panel. In the Hardware and Sound group, click View devices and printers.
	For Windows 10, Windows Server 2016, Windows Server 2019, and Windows Server 2022:
	Click : > Windows System > Control Panel. In
	the Hardware and Sound (Hardware) group, click View devices and printers.
	For 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 .
	For Windows Server 2012 R2:
	Click Control Panel on the Start screen. In the Hardware group, click View devices and printers.
	Right-click your model's icon with BR-Script3 in the name, select Printer properties.
	If your model with BR-Script3 in the name does not appear, right-click your model's icon, select Printer properties, and then select your model with BR-Script3 in the name.
	3. From the Device Settings tab, choose TBCP (Tagged Binary Communication Protocol) in Output Protocol .
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.



Related Information

• Troubleshooting

■ Home > Troubleshooting > Check the Machine Information

Check the Machine Information

Follow these instructions to check your machine's serial number and firmware version.

- >> HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW
- >> HL-L6410DN/HL-L6415DN

HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW

- 1. Press ▲ or ▼ to select the [Machine Info.] option, and then press OK.
- 2. Press ▲ or ▼ to select one of the following options:

Option	Description
Serial No.	Check your machine's serial number.
Firmware	Check your machine's firmware version.
Page Count	Check the total number of pages the machine has printed.
Parts Life	Check the supplies' life that remains available.

3. Press OK.

HL-L6410DN/HL-L6415DN

- 1. Press [Settings] > [All Settings] > [Machine Information].
- 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.
Firmware Update	Update your machine to the latest firmware.
Firmware Auto Check	View firmware information on the Home screen.
Page Counter	Check the total number of pages the machine has printed.
Parts Life	Check the percentage of the supplies' life that remains available.

3. Press

Related Information

Troubleshooting

- Machine Reset
- Network Reset
- Factory Reset

■ Home > Troubleshooting > Reset Functions > Machine Reset

Machine Reset

Use the Machine Reset function to reset the machine's settings to the factory settings.

The network settings and the security settings will not be reset by the Machine Reset function.

- >> HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW
- >> HL-L6410DN/HL-L6415DN

HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW

- 1. Press ▲ or ▼ to select the following:
 - a. Select [Initial Setup]. Press OK.
 - b. Select [Reset]. Press OK.
 - c. Select [Machine Reset]. Press OK.
- 2. Press ▲ to select [Reset].
- 3. Press ▲ to restart the machine.

HL-L6410DN/HL-L6415DN

- 1. Press [Settings] > [All Settings] > [Initial Setup] > [Reset] > [Machine Reset].
- 2. Do one of the following:

Option	Description
Press Yes for 2 seconds	Reboot the machine. The machine will begin the reset.
Press No	The machine will exit without rebooting.



If you exit without rebooting, your machine will not reset and your settings will remain unchanged.

Related Information

■ Home > Troubleshooting > Reset Functions > Network Reset

Network Reset

Use the Network Reset function to restore the machine's network settings, such as password and IP address, back to the factory settings.

Unplug all the interface cables before you perform a Network Reset.

>> HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW

>> HL-L6410DN/HL-L6415DN

HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW

- 1. Press ▲ or ▼ to select the following:
 - a. Select [Initial Setup]. Press OK.
 - b. Select [Reset]. Press OK.
 - c. Select [Network Reset]. Press OK.
- 2. Press ▲ to select [Reset].
- 3. Press ▲ to restart the machine.

HL-L6410DN/HL-L6415DN

- 1. Press [Settings] > [All Settings] > [Initial Setup] > [Network Reset].
- 2. Do one of the following:

Option	Description
Press Yes for 2 seconds	Reboot the machine. The machine will begin the reset.
Press No	The machine will exit without rebooting.



If you exit without rebooting, your machine will not reset and your settings will remain unchanged.

Related Information

Factory Reset

Use the Factory Reset function to restore all settings back to the factory settings.

Unplug all the interface cables before you perform a Factory Reset.

>> HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW

>> HL-L6410DN/HL-L6415DN

HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW

- 1. Press ▲ or ▼ to select the following:
 - a. Select [Initial Setup]. Press OK.
 - b. Select [Reset]. Press OK.
 - $c. \ \ Select \ [\texttt{Factory Reset}]. \ Press \ \textbf{OK}.$
- 2. Press ▲ to select [Reset].
- 3. Press ▲ to restart the machine.

HL-L6410DN/HL-L6415DN

- 1. Press [Settings] > [All Settings] > [Initial Setup] > [Factory Reset].
- 2. Do one of the following:

Option	Description
Press Yes for 2 seconds	Reboot the machine. The machine will begin the reset.
Press No	The machine will exit without rebooting.



If you exit without rebooting, your machine will not reset and your settings will remain unchanged.

Related Information

Routine Maintenance

- Replace Supplies
- Clean the Machine
- Check the Remaining Part Life
- Pack the Machine and the Toner Cartridge Together
- 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.

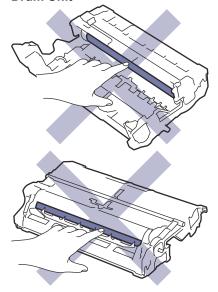
IMPORTANT

To avoid print quality problems, DO NOT touch the shaded parts shown in the illustrations.





Drum Unit

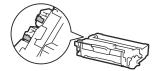


NOTE

- Be sure to seal the used supplies tightly in a bag so that toner powder does not spill out of the cartridge.
- Visit www.brother.com/original for instructions on how to return your used supplies to the Brother collection and recycling program. If your local Brother office does not have the collection program yet, or you choose not to return your used supply, discard the used supply according to local regulations, keeping it separate from domestic waste. If you have questions, contact your local waste disposal office.
- We recommend placing both the new and the used supplies on a piece of paper to prevent accidentally spilling or scattering the contents.
- Using paper that is not a direct equivalent for a recommended print media may reduce the life of supplies and machine parts.
- The projected life for each of the toner cartridges is based on ISO/IEC 19752. 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.



Both the toner cartridge and the drum unit feature an IC chip. DO NOT touch these surfaces. Touching the IC chips may cause contamination or damage, and may interfere with the machine's ability to detect these components.



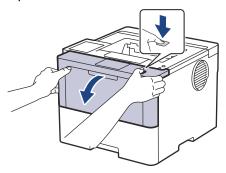


Related Information

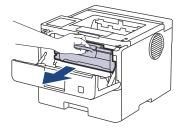
- · Routine Maintenance
 - Replace the Toner Cartridge
 - Replace the Drum Unit

Replace the Toner Cartridge

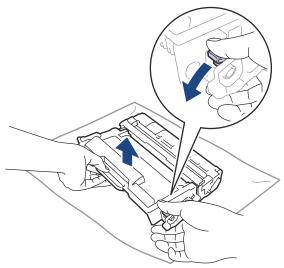
- 1. Make sure the machine is turned on.
- 2. Open the front cover.



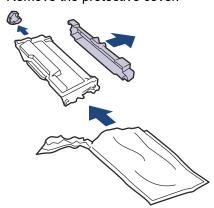
3. Remove the toner cartridge and drum unit assembly from the machine.



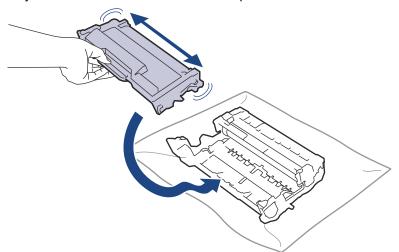
4. Push down the green lock lever and take the toner cartridge out of the drum unit.



- 5. Unpack the new toner cartridge.
- 6. Remove the protective cover.



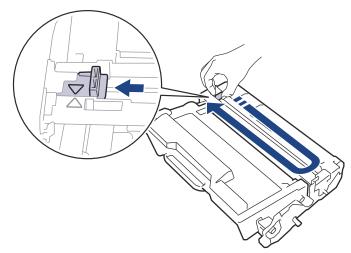
7. Hold the toner cartridge by the handle and shake it from left to right several times, as shown. Then push it firmly into the drum unit until it locks into place.





Make sure you put the toner cartridge in correctly or it may separate from the drum unit.

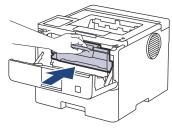
8. Clean the corona wire inside the drum unit by gently sliding the green tab from left to right and right to left several times.





Be sure to return the tab to the Home position (**A**). The arrow on the tab must be aligned with the arrow on the drum unit. If it is not, printed pages may have a vertical stripe.

9. Reinsert the toner cartridge and drum unit assembly back into the machine.



10. Close the front cover of the machine.



- Do not turn off the machine or open the front cover until the machine returns to Ready Mode.
- The toner cartridge that comes with your Brother machine is an Inbox toner cartridge.
- It is a good idea to keep a new toner cartridge ready for use when you see the Toner Low warning.
- · 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.
- We recommend using genuine Brother supplies to ensure stable print quality and performance.
 Although not all non-genuine supplies may cause quality issues, it is possible that some may adversely affect print quality or cause machine malfunction. Brother may charge for repairing your machine if it is proven that non-genuine supplies caused the damage, even if the machine is still covered by the warranty.

√

Related Information

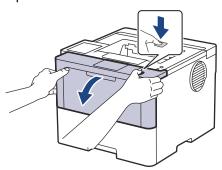
· Replace Supplies

Related Topics:

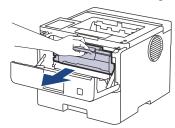
- · Improve the Print Quality
- · Error and Maintenance Messages

Replace the Drum Unit

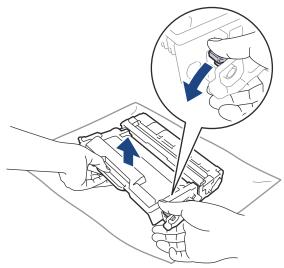
- 1. Make sure the machine is turned on.
- 2. Open the front cover.



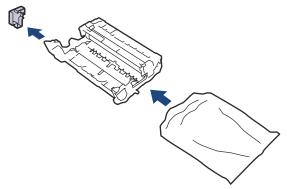
3. Remove the toner cartridge and drum unit assembly from the machine.



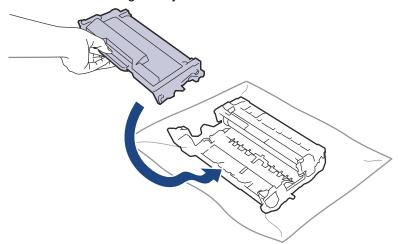
4. Push down the green lock lever and take the toner cartridge out of the drum unit.



- 5. Unpack the new drum unit.
- 6. Remove the protective cover.



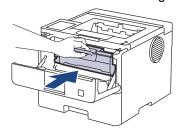
7. Push the toner cartridge firmly into the new drum unit until it locks into place.





Make sure you put the toner cartridge in correctly or it may separate from the drum unit.

8. Reinsert the toner cartridge and drum unit assembly back into the machine.



9. Close the front cover of the machine.

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 75,000 pages based on three pages per job and 45,000 pages based on one page per job (A4/Letter single-sided pages). The number of pages may be affected by 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.
- The machine should be used only in a clean, dust-free environment with adequate ventilation.
 We recommend using genuine Brother supplies to ensure stable print quality and performance. Although not all non-genuine supplies may cause quality issues, it is possible that some may adversely affect print quality or cause machine malfunction. Brother may charge for repairing your machine if it is proven that non-genuine supplies caused the damage, even if the machine is still covered by the warranty.

4

Related Information

Replace Supplies

Related Topics:

- Improve the Print Quality
- · Error and Maintenance Messages

■ 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.







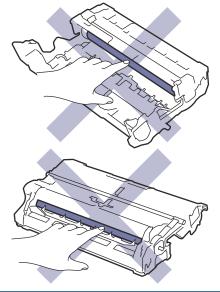
IMPORTANT

- 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.





Drum unit





Both the toner cartridge and the drum unit feature an IC chip. DO NOT touch these surfaces. Touching the IC chips may cause contamination or damage, and may interfere with the machine's ability to detect these components.



4

Related Information

- Routine Maintenance
 - Clean the Touchscreen LCD
 - · Clean the Corona Wire
 - · Clean the Drum Unit
 - Clean the Paper Pick-up Rollers

▲ Home > Routine Maintenance > Clean the Machine > Clean the Touchscreen LCD

Clean the Touchscreen LCD

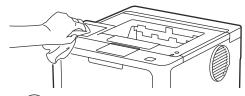
Related Models: HL-L6410DN/HL-L6415DN

Before starting the cleaning procedure, see Related Information: Clean the Machine.

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

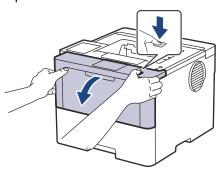
· Clean the Machine

▲ Home > Routine Maintenance > Clean the Machine > Clean the Corona Wire

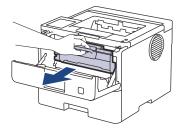
Clean the Corona Wire

If you have print quality problems or the control panel displays [Drum !] status, clean the corona wire.

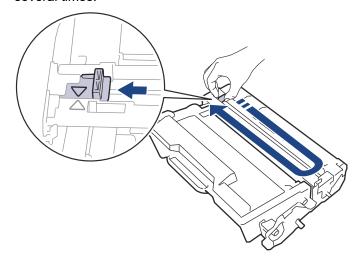
1. Open the front cover.



2. Remove the toner cartridge and drum unit assembly from the machine.



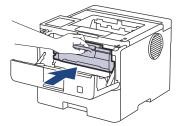
3. Clean the corona wire inside the drum unit by gently sliding the green tab from left to right and right to left several times.





Be sure to return the tab to the Home position (\blacktriangle). The arrow on the tab must be aligned with the arrow on the drum unit. If it is not, printed pages may have a vertical stripe.

4. Reinsert the toner cartridge and drum unit assembly back into the machine.



5. Close the front cover of the machine.

Related Information

· Clean the Machine

Related Topics:

• Error and Maintenance Messages

▲ Home > Routine Maintenance > Clean the Machine > Clean the Drum Unit

Clean the Drum Unit

If your printout has 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.

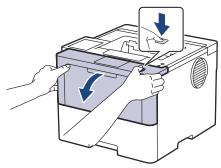
- >> HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW
- >> HL-L6410DN/HL-L6415DN

HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW

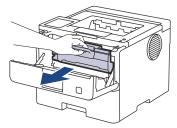
- 1. Make sure the machine is in Ready mode.
- 2. Press ▲ or ▼ to display the [Print Reports] option, and then press OK.
- 3. Press ▲ or ▼ to select the [Drum Dot Print] option.
- 4. Press OK.

The machine prints the Drum Dot Check Sheet.

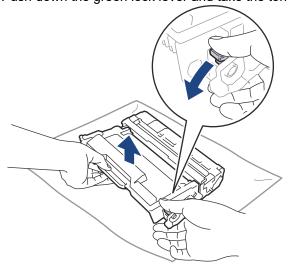
- 5. Press and hold (\bigcirc) to turn the machine off.
- 6. Open the front cover.



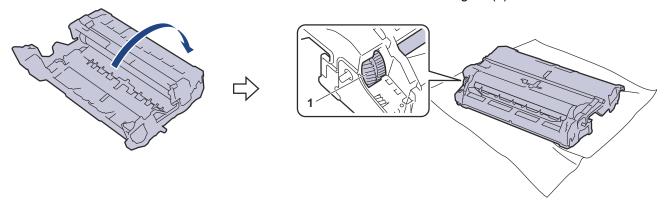
7. Remove the toner cartridge and drum unit assembly from the machine.



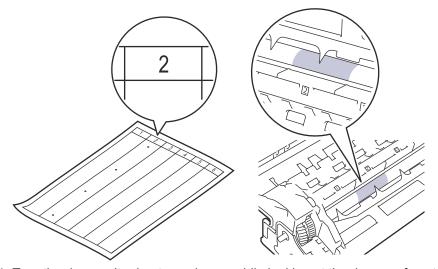
8. Push down the green lock lever and take the toner cartridge out of the drum unit.



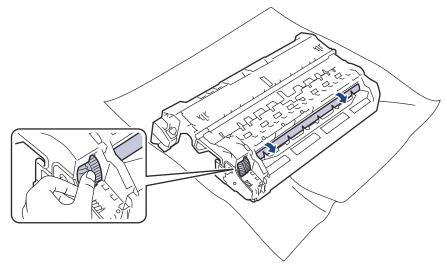
9. Turn the drum unit as shown in the illustration. Make sure that the drum unit gear (1) is on the left side.



10. Use the numbered markers next to the drum roller to find the mark on the drum. For example, a dot in column 2 on the check sheet means that there is a mark in drum region "2".



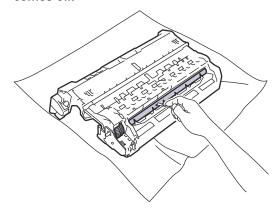
11. Turn the drum unit edge towards you while looking at the drum surface to find the mark.



IMPORTANT

To avoid print quality problems, DO NOT touch the surface of the drum unit, only the edge.

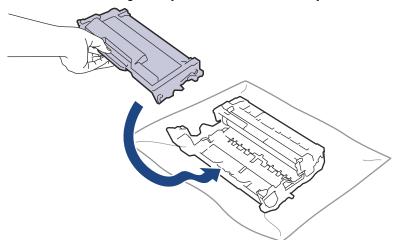
12. Wipe the drum unit surface gently with a dry cotton swab until the mark or foreign material on the surface comes off.



NOTE

DO NOT clean the surface of the photosensitive drum with a sharp object or any liquids.

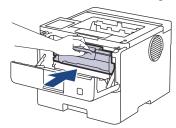
13. Push the toner cartridge firmly into the drum unit until you hear it lock into place.





Make sure you put the toner cartridge in correctly or it may separate from the drum unit.

14. Reinsert the toner cartridge and drum unit assembly back into the machine.



- 15. Close the front cover of the machine.
- 16. Press (b) to turn the machine on.

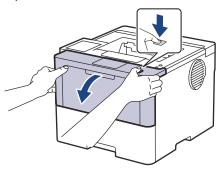
HL-L6410DN/HL-L6415DN

- 1. Make sure the machine is in Ready mode.
- 2. Press [[Settings] > [All Settings] > [Print Reports] > [Drum Dot Print].
- 3. Press [OK].

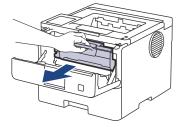
The machine prints the Drum Dot Check Sheet.

4. Press

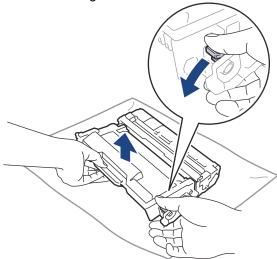
- 5. Press and hold () to turn the machine off.
- 6. Open the front cover.



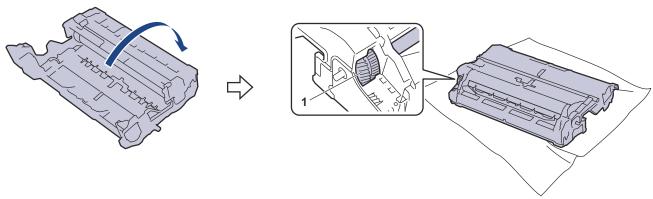
7. Remove the toner cartridge and drum unit assembly from the machine.



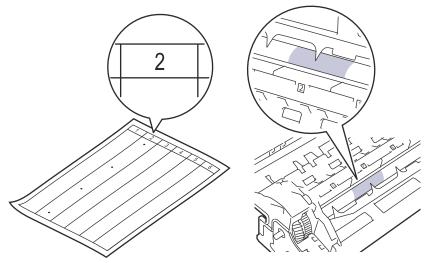
8. Push down the green lock lever and take the toner cartridge out of the drum unit.



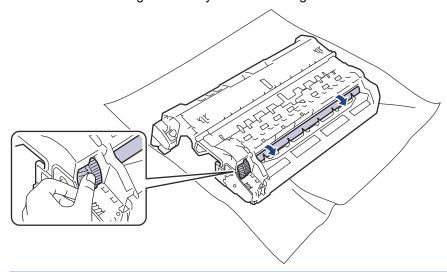
9. Turn the drum unit as shown in the illustration. Make sure that the drum unit gear (1) is on the left side.



10. Use the numbered markers next to the drum roller to find the mark on the drum. For example, a dot in column 2 on the check sheet means that there is a mark in drum region "2".



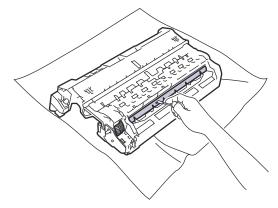
11. Turn the drum unit edge towards you while looking at the drum surface to find the mark.



IMPORTANT

To avoid print quality problems, DO NOT touch the surface of the drum unit, only the edge.

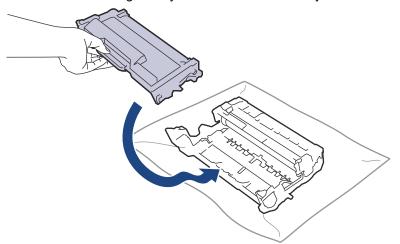
12. Wipe the drum unit surface gently with a dry cotton swab until the mark or foreign material on the surface comes off.



NOTE

DO NOT clean the surface of the photosensitive drum with a sharp object or any liquids.

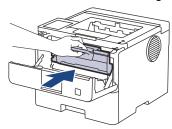
13. Push the toner cartridge firmly into the drum unit until you hear it lock into place.





Make sure you put the toner cartridge in correctly or it may separate from the drum unit.

14. Reinsert the toner cartridge and drum unit assembly back into the machine.



- 15. Close the front cover of the machine.
- 16. Press (b) to turn the machine on.

Related Information

· Clean the Machine

Related Topics:

• Improve the Print Quality

▲ Home > Routine Maintenance > Clean the Machine > Clean the Paper Pick-up Rollers

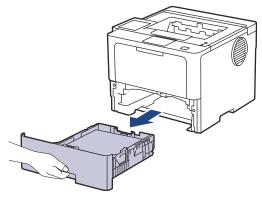
Clean the Paper Pick-up Rollers

Cleaning the paper pick-up rollers periodically may prevent paper jams by ensuring that paper feeds correctly.

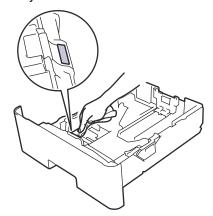
Before starting the cleaning procedure, see Related Information: Clean the Machine.

If you have paper feed problems, clean the pick-up rollers as follows:

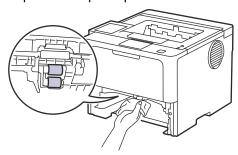
- 1. Press and hold (()) to turn the machine off.
- 2. Pull the paper tray completely out of the machine.



- 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

Related Topics:

· Printing Problems

• Clear Paper Jams

▲ Home > Routine Maintenance > Check the Remaining Part Life

Check the Remaining Part Life

>> HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW

>> HL-L6410DN/HL-L6415DN

HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW

- 1. Press ▲ or ▼ to select the following:
 - a. Select [Machine Info.]. Press OK.
 - b. Select [Parts Life]. Press OK.
- 2. Press ▲ or ▼ to select the machine part you want to check, and then press **OK**.

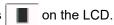
The LCD displays the approximate remaining part life.

HL-L6410DN/HL-L6415DN

- 1. Press [Settings] > [All Settings] > [Machine Information] > [Parts Life].
- 2. Press ▲ or ▼ to display the machine parts, and then 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 t



Related Information

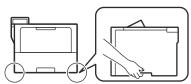
· Routine Maintenance

▲ Home > Routine Maintenance > Pack the Machine and the Toner Cartridge Together

Pack the Machine and the Toner Cartridge Together

WARNING

• When you move the machine, carry the machine as shown in the illustration.



- If the machine has 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 the original carton with original packing material.
- The components included in the box may differ depending on your country.



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.

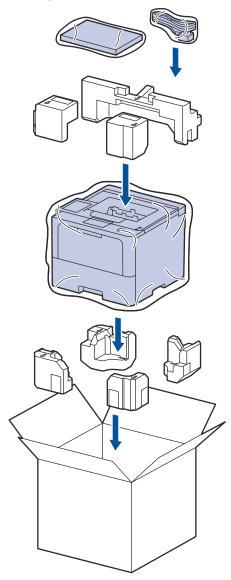
- 1. Press and hold (b) to turn the machine off. Leave the machine off for at least 10 minutes to cool down.
- 2. Disconnect all the cables, and then unplug the power cord from the electrical socket.



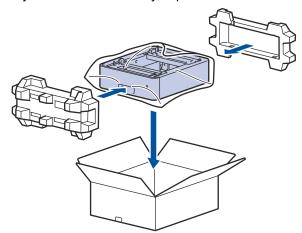
Some models are equipped with a non-detachable AC power cord. If your cord is not detachable, fold it loosely and rest it on top of the machine so it packs easily.

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. (The original packing material may differ depending on your country or model.)



- 5. Close the carton and tape it shut.
- 6. If you have a Lower Tray, repack it as shown.



Related Information

• Routine Maintenance

Replace Periodic Maintenance Parts

Replace the following parts regularly to maintain the best print quality. The parts listed below must be replaced after printing approximately 50,000 pages ¹ for the Paper Feeding Kits of the MP tray and approximately 200,000 pages ¹ for the Paper Feeding Kits of the standard paper tray, the Paper Feeding Kits of the optional paper tray, Fuser Unit, and Laser Unit.

Contact Brother customer service or your local Brother dealer when the following messages appear on the LCD:

LCD Message	Description
Maintenance	Replace the Fuser Unit.
Replace Fuser ²	
Maintenance	Replace the Laser Unit.
Replace Laser ²	
Maintenance	Replace the Paper Feeding Kit for the Standard Paper Tray.
Replace PF Kit 1 ²³	
Maintenance	Replace the Paper Feeding Kit for the Optional Tray.
Replace PF Kit 2 ²³⁴	
Maintenance	Replace the Paper Feeding Kit for the Multi-purpose (MP) Tray.
Replace PF Kit MP 23	

✓

Related Information

· Routine Maintenance

¹ Letter or A4 size 1-sided pages.

² The replacement frequency depends on the complexity of printed pages, percentage of coverage, and the type of media used.

³ The kit includes the roller holder assembly, separation pad, and separation pad spring for the paper tray or MP Tray.

⁴ 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 to make your machine a more efficient work tool.

- Change Machine Settings from the Control Panel
- Change Machine Settings Using Web Based Management

▲ Home > Machine Settings > Change Machine Settings from the Control Panel

Change Machine Settings from the Control Panel

- General Settings
- Settings and Features Tables

■ Home > Machine Settings > Change Machine Settings from the Control Panel > General Settings

General Settings

- · Adjust the Machine's Volume
- Set Sleep Mode Countdown
- About Deep Sleep Mode
- · Set Auto Power Off Mode
- Adjust the LCD Backlight Brightness
- · Change How Long the LCD Backlight Stays On
- Reduce Toner Consumption
- Reduce Printing Noise
- Improve Print Output
- Change the Language on the LCD

Adjust the Machine's Volume

Related Models: HL-L6410DN/HL-L6415DN

- 1. Press [Settings] > [All Settings] > [General Setup] > [Beep].
- 2. Press \blacktriangle or \blacktriangledown to display the <code>[Off]</code>, <code>[Low]</code>, <code>[Med]</code> or <code>[High]</code> option, and then press the option you want.
- 3. 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. Select how long the machine must be idle before it goes into Sleep Mode. The Sleep Mode timer is reset when the machine receives a print job.

When the machine is in Sleep Mode, it acts as if it is turned off. The machine will wake up and start printing when it receives a print job. Use these instructions to set a time delay (countdown) before the machine enters Sleep Mode.



The Sleep Mode setting cannot be disabled due to environmental considerations.

- >> HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW
- >> HL-L6410DN/HL-L6415DN

HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW

- 1. Press ▲ or ▼ to select the following:
 - a. Select [General Setup]. Press OK.
 - b. Select [Ecology]. Press OK.
 - c. Select [Sleep Time]. Press OK.
- 2. Press ▲ or ▼ to enter the length of time (up to 50 minutes) that the machine should remain idle before entering Sleep Mode.

Press Go.

HL-L6410DN/HL-L6415DN

- 1. Press [Settings] > [All Settings] > [General Setup] > [Ecology] > [Sleep Time].
- 2. Enter the length of time (up to 50 minutes) that the machine should 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 a 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
HL-L5210DN/HL-L5210DW/ HL-L5215DN/HL-L6210DW	The LCD displays Deep Sleep.	The machine receives a job.Someone presses a button on the control panel.
HL-L6410DN/HL-L6415DN	The LCD backlight turns off and the Power LED blinks.	 The machine receives a job. Someone presses ,

√

Related Information

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 has secure print data in the memory(available only for certain models).

To start printing, press (b) on the control panel and then send a print job.

>> HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW

>> HL-L6410DN/HL-L6415DN

HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW



Select how long the machine must be in Deep Sleep Mode before it goes into Auto Power Off Mode.

- 1. Press ▲ or ▼ to select the following:
 - a. Select [General Setup]. Press OK.
 - b. Select [Ecology]. Press OK.
 - c. Select [Auto Power Off]. Press OK.
- 2. Press ▲ or ▼ to select the length of time (1, 2, 4, or 8 hours) that the machine should remain idle before entering Power Off Mode.
- 3. Press Go.

HL-L6410DN/HL-L6415DN

- 1. Press [Settings] > [All Settings] > [General Setup] > [Ecology] > [Auto Power Off].
- 2. Press ▲ or ▼ to display the length of time (1, 2, 4, or 8 hours) that the machine should remain idle before entering Power Off Mode, and then press the option you want.
- 3. 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

Related Models: HL-L6410DN/HL-L6415DN

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 option you want:
 - [Light]
 - [Med]
 - [Dark]
- 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

Related Models: HL-L6410DN/HL-L6415DN

Set how long the LCD backlight stays on.

- 1. Press [Settings] > [All Settings] > [General Setup] > [LCD Settings] > [Dim Timer].
- 2. Press the [10 Secs], [20 Secs] or [30 Secs] option.
- 3. Press

Related Information

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.

- >> HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW
- >> HL-L6410DN/HL-L6415DN

HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW

- 1. Press ▲ or ▼ to select the following:
 - a. Select [General Setup]. Press OK.
 - b. Select [Ecology]. Press OK.
 - c. Select [Toner Save]. Press OK.
- 2. Press **△** or **▼** to display [On], and then press **Go**.

HL-L6410DN/HL-L6415DN

- 1. Press 🚏 [Settings] > [All Settings] > [General Setup] > [Ecology] > [Toner Save].
- 2. Press [On] or [Off].
- 3. Press .

Related Information

General Settings

Related Topics:

Improve the Print Quality

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.

- >> HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW
- >> HL-L6410DN/HL-L6415DN

HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW

- 1. Press ▲ or ▼ to select the following:
 - a. Select [General Setup]. Press OK.
 - b. Select [Ecology]. Press OK.
 - c. Select [Quiet Mode]. Press OK.
- 2. Press ▲ or ▼ to display the [On] or [Off] option, and then press Go.

HL-L6410DN/HL-L6415DN

- 1. Press [Settings] > [All Settings] > [General Setup] > [Ecology] > [Quiet Mode].
- 2. Press [On] or [Off].
- 3. Press

Related Information

Improve Print Output

If the printout is curled or the toner does not fix well, you can improve the print output.

- >> HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW
- >> HL-L6410DN/HL-L6415DN

HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW

- 1. Press ▲ or ▼ to select the following:
 - a. Select [General Setup]. Press OK.
 - b. Select [Improve Output]. Press OK.
- 2. Press ▲ or ▼ to display the [Off], [Reduce Curl], or [Toner Fixing] option, and then press Go.

HL-L6410DN/HL-L6415DN

- 1. Press [Settings] > [All Settings] > [General Setup] > [Improve Output].
- 2. Press [Off], [Reduce Curl], or [Toner Fixing].
- 3. Press

Related Information

Change the Language on the LCD

Change the LCD language if needed.

This feature is not available in some countries.

- >> HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW
- >> HL-L6410DN/HL-L6415DN

HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW

- 1. Press ▲ or ▼ to select the following:
 - a. Select [Initial Setup]. Press OK.
 - b. Select [Local Language]. Press OK.
- 2. Press **▲** or **▼** to display your language, and then press **Go**.

HL-L6410DN/HL-L6415DN

- 1. Press [Settings] > [All Settings] > [Initial Setup] > [Local Language].
- 2. Press your language.
- 3. Press

Related Information

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 (HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW)
- Settings Tables (HL-L6410DN/HL-L6415DN)
- Feature Tables (HL-L6410DN/HL-L6415DN)

■ Home > Machine Settings > Change Machine Settings from the Control Panel > Settings and Features
Tables > Settings Tables (HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW)

Settings Tables (HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW)

Related Models: HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW

Use these tables to understand the various menus and options that you will use to set your preferences on the machine.

- >> [General Setup]
- >> [Printer]
- >> [Network] (HL-L5210DN/HL-L5215DN)
- >> [Network] (HL-L5210DW/HL-L6210DW)
- >> [Print Reports]
- >> [Machine Info.]
- >> [Initial Setup]

[General Setup]

Level 3	Level 4	Level 5	Level 6	Description
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 paper size you loaded in the MP tray.
		Tray 1	-	Select the paper size you loaded in the standard paper tray.
		Tray 2 ¹	-	Select the paper size you loaded in the Optional Tray (Tray 2).
		Tray 3 ¹	-	Select the paper size you loaded in the Optional Tray (Tray 3).
		Tray 4 ¹	-	Select the paper size you loaded in the Optional Tray (Tray 4).
	Tray Use	-	-	Select the paper tray you want to use.
	Priority	-	-	When Auto is selected in Tray Use, select the order in which the machine uses paper trays that contain paper of the same size.
	Print Position		X Offset	Adjust the print start position (usually at the top-left corner of a page) for the paper you loaded in the MP tray horizontally from -500 (left) to +500 (right) dots when printing at 300 dpi.
			Y Offset	Adjust the print start position (usually at the top-left corner of a page) for the paper you loaded in the MP tray vertically from -500 (up) to +500 (down) dots when printing at 300 dpi.
		Tray 1	X Offset	Adjust the print start position (usually at the top-left corner of a page) for the paper you loaded in the

Level 3	Level 4	Level 5	Level 6	Description
Tray Setting	Print Position	Tray 1		standard paper tray horizontally from -500 (left) to +500 (right) dots when printing at 300 dpi.
			Y Offset	Adjust the print start position (usually at the top-left corner of a page) for the paper you loaded in the standard paper tray vertically from -500 (up) to +500 (down) dots when printing at 300 dpi.
		Tray 2 ¹	X Offset	Adjust the print start position (usually at the top-left corner of a page) for the paper you loaded in the Optional tray (Tray 2) horizontally from -500 (left) to +500 (right) dots when printing at 300 dpi.
			Y Offset	Adjust the print start position (usually at the top-left corner of a page) for the paper you loaded in the Optional tray (Tray 2) vertically from -500 (up) to +500 (down) dots when printing at 300 dpi.
		Tray 3 ¹	X Offset	Adjust the print start position (usually at the top-left corner of a page) for the paper you loaded in the Optional tray (Tray 3) horizontally from -500 (left) to +500 (right) dots when printing at 300 dpi.
			Y Offset	Adjust the print start position (usually at the top-left corner of a page) for the paper you loaded in the Optional tray (Tray 3) vertically from -500 (up) to +500 (down) dots when printing at 300 dpi.
		Tray 4 ¹	X Offset	Adjust the print start position (usually at the top-left corner of a page) for the paper you loaded in the Optional tray (Tray 4) horizontally from -500 (left) to +500 (right) dots when printing at 300 dpi.
			Y Offset	Adjust the print start position (usually at the top-left corner of a page) for the paper you loaded in the Optional tray (Tray 4) vertically from -500 (up) to +500 (down) dots when printing at 300 dpi.
	Skip Tray	-	-	Select a specific tray you do not want to use if it is loaded with paper of the wrong size.
	Separator Tray	-	-	Select the tray that contains the paper used as the separator paper, which is inserted between each print job.
	Check Paper	-	-	Select whether to display a message indicating to check the paper type and paper size when you pull the tray out of the machine.
Ecology	Eco Mode	-	-	Turn the following machine settings on at the same time:
				• 2-sided Print:Long Edge ²
				• Sleep Time: 0 Min
				• Quiet Mode: On ²
				• Toner Save: On ²
	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.
Improve Output	-	-	-	Enable the Reduce Curl feature or the Toner Fixing feature to improve print output.
Panel Control	Button Repeat	-	-	Set the time for the LCD message to change when holding ▲ or ▼.

Level 3	Level 4	Level 5	Level 6	Description
Panel Control	Message Scroll	-	-	Set the time in seconds that an LCD message will scroll across the LCD. From Level 1 (0.2 s) to Level 10 (2 s).
	LCD Contrast	-	-	Adjust the contrast of the LCD.
	Auto Online	-	-	Set the machine to return to Ready mode after it has been idle for 30 seconds.
Setting Lock	-	-	-	Lock your machine's settings using the Setting Lock password.
Interface	Select	-	-	Select the interface to use.
				If you select Auto, the machine changes the interface to USB or network depending on which interface is receiving data.
	Auto IF Time	-	-	Set the time-out period for the auto interface selection.
	Input Buffer	-	-	Increase or decrease the input buffer capacity.
Delete	Macro ID	-	-	Delete the registered Macro data.
Storage	Font ID	-	-	Delete the registered Font data.
	Delete All	-	-	Restore the Macro, Stream and Font data of your machine to the factory settings.

¹ Available if the Optional Tray(s) is installed.

[Printer]

Level 3	Level 4	Level 5	Description
Emulation	-	-	Choose the emulation mode.
Resolution	-	-	Select a print resolution.
Density	-	-	Increase or decrease the print density.
Printer Settings	-	-	Set your print settings to Text or Graphics.
Print Options	Font List	HP LaserJet	Print the font list and samples of HP LaserJet.
		BR-Script 3	Print the font list and samples of BR-Script.
	Test Print	-	Print the test page.
2-sided	2-sided Print	-	Select whether to print on both sides of the paper.
	Single Image -		For a print job where the last page is a one-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.
Paper Type	-	-	Set the type of paper.
Paper Size	-	-	Set the paper size.
Copies	-	-	Set the number of printed pages.
Orientation	-	-	Set pages to print in either portrait or landscape orientation.
Print Position	-	-	Access the Print Position setting menus.
Auto FF	-	-	Allow the machine to print any remaining data automatically.

² Changing this setting is available only after you change certain other machine settings using Web Based Management.

Level 3	Level 4	Level 5	Description
HP LaserJet	Font No.	-	Set the font number.
			This menu appears if a soft font is installed on your Brother machine.
	Font Pitch	-	Set the font pitch.
			(Available only for certain fonts.)
	Font Point	-	Set the font size.
			(Available only for certain fonts.)
	Symbol Set	-	Select the symbol or character set.
	Table Print	-	Print the code table.
	Auto LF	-	ON: CR -> CR+LF, OFF: CR -> CR
	Auto CR	-	ON: LF -> LF+CR, FF -> FF+CR, or VT -> VT+CR OFF: LF -> LF, FF -> FF, or VT -> VT
			· · · · · · · · · · · · · · · · · · ·
	Auto WRAP	-	Select whether you want a line feed and carriage return when the carriage position reaches the right margin.
	Auto SKIP	-	Select whether you want a line feed and carriage return when the carriage position reaches the bottom margin.
	Left Margin	-	Set the left margin at column 0 to 70 columns at 1 cpi.
	Right Margin	-	Set the right margin at column 10 to 80 columns at 1 cpi.
	Top Margin	-	Set the top margin distance from the top edge of the paper.
	Bottom Margin	-	Set the bottom margin distance from the bottom edge of the paper.
	Lines	-	Set the number of lines on each page.
	Tray Command	-	Select this setting if a tray mismatch appears when you use the HP drivers.
Epson FX-850	Font No.	-	Set the font number.
	Font Pitch	-	Set the font pitch.
			(Available only for certain fonts.)
	Font Point	-	Set the font size.
			(Available only for certain fonts.)
	Character Set	-	Select the symbol or character set.
	Table Print	-	Print the code table.
	Auto LF	-	ON: CR -> CR+LF, OFF: CR -> CR
	Auto Mask	-	Set the top and bottom margins to two lines each. When you set Auto Mask to On, this setting overrides the Top Margin and Bottom Margin settings.
	Left Margin	-	Set the left margin at column 0 to 70 columns at 1 cpi.
	Right Margin	-	Set the right margin at column 10 to 80 columns at 1 cpi.
	Top Margin	-	Set the top margin distance from the top edge of the paper.
	Bottom Margin	-	Set the bottom margin distance from the bottom edge of the paper.
	Lines	-	Set the number of lines on each page.
IBM Proprinter	Font No.	-	Set the font number.
	Font Pitch	-	Set the font pitch.
			(Available only for certain fonts.)
	I	l .	

TBM Proprinter Font Point Set the font size. (Available only for certain fonts.)	
Character Set - Select the symbol or character set. Table Print - Print the code table. Auto LF - ON: CR -> CR+LF, OFF: CR -> CR Auto CR - ON: LF -> LF, FF -> FF, or VT -> VT+CR OFF: LF -> LF, FF -> FF, or VT -> VT Auto Mask - Set the top and bottom margins to two lines each. Whe you set Auto Mask to On, this setting overrides the To Margin and Bottom Margin settings. Left Margin - Set the left margin at column 0 to 70 columns at 1 cpi. Right Margin - Set the top margin distance from the top edge of the paper. Bottom Margin - Set the bottom margin distance from the bottom edge of the paper. Lines - Set the number of lines on each page. BR-Script 3 Error Print - Choose whether the machine prints the error information when errors occur. PDF Multiple Page - Set the page layout when printing multiple pages.	
Table Print - Print the code table. Auto LF - ON: CR -> CR+LF, OFF: CR -> CR Auto CR - ON: LF -> LF+CR, FF -> FF+CR, or VT -> VT+CR OFF: LF -> LF, FF -> FF, or VT -> VT Auto Mask - Set the top and bottom margins to two lines each. Whe you set Auto Mask to On, this setting overrides the To Margin and Bottom Margin settings. Left Margin - Set the left margin at column 0 to 70 columns at 1 cpi. Right Margin - Set the right margin at column 10 to 80 columns at 1 cpi. Top Margin - Set the top margin distance from the top edge of the paper. Bottom Margin - Set the bottom margin distance from the bottom edge of the paper. Lines - Set the number of lines on each page. BR-Script 3 Error Print - Choose whether the machine prints the error information when errors occur. PDF Multiple Page - Set the page layout when printing multiple pages.	
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Auto CR ON: LF -> LF+CR, FF -> FF+CR, or VT -> VT+CR OFF: LF -> LF, FF -> FF, or VT -> VT Auto Mask Set the top and bottom margins to two lines each. Whe you set Auto Mask to On, this setting overrides the To Margin and Bottom Margin settings. Left Margin Set the left margin at column 0 to 70 columns at 1 cpi. Right Margin Set the right margin at column 10 to 80 columns at 1 cpi. Top Margin Set the top margin distance from the top edge of the paper. Bottom Margin Set the bottom margin distance from the bottom edge of the paper. Lines Set the number of lines on each page. BR-Script 3 Error Print Choose whether the machine prints the error information when errors occur. PDF Multiple Page - Set the page layout when printing multiple pages.	
OFF: LF -> LF, FF -> FF, or VT -> VT Auto Mask - Set the top and bottom margins to two lines each. Whe you set Auto Mask to On, this setting overrides the To Margin and Bottom Margin settings. Left Margin - Set the left margin at column 0 to 70 columns at 1 cpi. Right Margin - Set the right margin at column 10 to 80 columns at 1 cpi. Top Margin - Set the top margin distance from the top edge of the paper. Bottom Margin - Set the bottom margin distance from the bottom edge of the paper. Lines - Set the number of lines on each page. BR-Script 3 Error Print - Choose whether the machine prints the error information when errors occur. PDF Multiple Page - Set the page layout when printing multiple pages.	
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Right Margin - Set the right margin at column 10 to 80 columns at 1 cp Top Margin - Set the top margin distance from the top edge of the paper. Bottom Margin - Set the bottom margin distance from the bottom edge of the paper. Lines - Set the number of lines on each page. BR-Script 3 Error Print - Choose whether the machine prints the error information when errors occur. PDF Multiple Page - Set the page layout when printing multiple pages.	
Top Margin - Set the top margin distance from the top edge of the paper. Bottom Margin - Set the bottom margin distance from the bottom edge of the paper. Lines - Set the number of lines on each page. BR-Script 3 Error Print - Choose whether the machine prints the error information when errors occur. PDF Multiple Page - Set the page layout when printing multiple pages.	
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the paper. Lines - Set the number of lines on each page. BR-Script 3 Error Print - Choose whether the machine prints the error information when errors occur. PDF Multiple Page - Set the page layout when printing multiple pages.	
BR-Script 3	of
when errors occur. PDF Multiple Page - Set the page layout when printing multiple pages.	
	ion
PDF Print Opt - Set the PDF Print setting to print either comments (Markup) or stamps in the PDF file, along with the text.	t.
Fit to Page - Select if the machine scales or resizes the pages in the PDF file to fit the selected paper size.	ie
Carbon Menu Carbon Copy - Enable or disable the Carbon Copy function.	
Copies - Sets the number of printed pages.	
Copy1 Tray - Select the tray you use for Copy1.	
Copy1 Macro - Select a macro/stream for Copy1.	
Copy2 Tray - Select the tray you use for Copy2 to Copy8.	
 Copy8 Tray	
Copy2 Macro - Select a macro/stream for Copy2 to Copy8 Copy8 Macro	
Reset Printer Restore the machine settings to the factory settings.	

[Network] (HL-L5210DN/HL-L5215DN)

Level 3	Level 4	Level 5	Level 6	Descriptions
Wired LAN	TCP/IP	Boot Method	-	Choose the IP method that best suits your needs.
	IP Address	-	Enter the IP address.	
	Subnet Mask	-	Enter the Subnet mask.	
		Gateway	-	Enter the Gateway address.
	Node Name	-	Enter the Node name.	
		WINS Config	-	Select the WINS configuration mode.

Level 3	Level 4	Level 5	Level 6	Descriptions
Wired LAN	TCP/IP	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	-	Allocate the IP address from the link-local address range automatically. ¹
		IPv6	-	Enable or disable the IPv6 protocol.
	Ethernet	-	-	Choose the Ethernet link mode.
	Wired Status	-	-	Display the wired network connection status.
	MAC Address	-	-	Display your machine's MAC address.
	Wired Enable	-	-	Turn the wired interface on or off.
Web Based Mgmt	-	-	-	Enable or disable the Web Based Management function.
				If you enable this function, make sure you specify the method of connecting to Web Based Management.
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.
Global Detect	Allow Detect	-	-	Enable or disable a function that detects and notifies the user when the user unintentionally connects to a global network.
	Reject Access	-	-	Disable connections to the global network.
Network Reset	-	-	-	Restore all network settings of your machine to the factory settings.

On connection to the network, if the machine's 'Boot Method' is 'Auto' the machine will attempt to set the IP address and Subnet Mask from a boot server such as DHCP. If a boot server cannot be found, an APIPA IP address will be allocated, such as 169. 254. (001-254). (000-255). If the 'Boot Method' of the machine is set to 'Static' you must manually enter an IP address from the machine's control panel.

[Network] (HL-L5210DW/HL-L6210DW)

Level 3	Level 4	Level 5	Level 6	Descriptions
Wired LAN TCP/IP	Boot Method	-	Choose the IP method that best suits your needs.	
	IP Address	-	Enter the IP address.	
		Subnet Mask	-	Enter the Subnet mask.
		Gateway	-	Enter the Gateway address.
		Node Name	-	Enter the Node name.
	WINS Config	-	Select the WINS configuration mode.	
	WINS Server	Primary	Specify the IP address of the primary WINS server.	

Level 3	Level 4	Level 5	Level 6	Descriptions
Wired LAN	TCP/IP	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	-	Allocate the IP address from the link-local address range automatically. ¹
		IPv6	-	Enable or disable the IPv6 protocol.
	Ethernet	-	-	Choose the Ethernet link mode.
	Wired Status	-	-	Display the wired network connection status.
	MAC Address	-	-	Display your machine's MAC address.
	Set to Default	-	-	Restore your machine's wired network settings to the factory settings.
	Wired Enable	-	-	Turn the wired interface on or off.
WLAN (Wi-Fi)	Find Network	-	-	Configure your wireless network settings manually.
	TCP/IP	Boot Method	-	Choose the IP method that best suits your needs.
		IP Address	-	Enter the IP address.
		Subnet Mask	-	Enter the Subnet mask.
		Gateway	-	Enter the Gateway address.
		Node Name	-	Enter the Node name.
		WINS Config	-	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	-	Allocate the IP address from the link-local address range automatically. ¹
		IPv6	-	Enable or disable the IPv6 protocol.
	WPS/Push Button	-	-	Configure your wireless network settings using the one-button push method.
	WPS/PIN Code	-	-	Configure the wireless network settings using WPS with a PIN code.
	WLAN Status	Status	-	Display the wireless network connection status.
		Signal	-	Display the wireless network signal strength.
		Channel	-	Display the channel in use when Status is Active.
		Speed	-	Display the connection speed when Status is Active.
		SSID	-	Display the wireless SSID (Network Name).

Level 3	Level 4	Level 5	Level 6	Descriptions
WLAN (Wi-Fi)	WLAN Status	Comm. Mode	-	Display the current Communication mode.
	MAC Address	-	-	Display your machine's MAC address.
	Set to Default	-	-	Restore your machine's wireless network settings to the factory settings.
	WLAN Enable	-	-	Turn the wireless interface on or off.
Wi-Fi Direct	Manual	-	-	Configure your Wi-Fi Direct network settings manually.
	Group Owner	-	-	Set your machine as the Group Owner.
	Push Button	-	-	Configure your Wi-Fi Direct network settings using the one-button push method quickly.
	PIN Code	-	-	Configure your Wi-Fi Direct network settings using WPS with a PIN code quickly.
	Device Info.	Device Name	-	View your machine's device name.
		SSID	-	Display the Group Owner's SSID (Network Name).
		IP Address	-	Display your machine's IP Address.
	Status Info.	Status	-	Display the Wi-Fi Direct network status.
		Signal	-	Display the current Wi-Fi Direct network signal strength. When your machine acts as Group Owner, the LCD always displays Strong.
		Channel	-	Display the channel in use when the Status is G/O Active or Client Active.
		Speed	-	Display the connection speed when the Status is G/O Active or Client Active.
	I/F Enable	-	-	Enable or disable the Wi-Fi Direct connection.
Web Based Mgmt	-	-	-	Enable or disable the Web Based Management function. If you enable this function, make sure you specify the method of connecting to Web Based Management.
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.
Global Detect	Allow Detect	-	-	Enable or disable a function that detects and notifies the user when the user unintentionally connects to a global network.
	Reject Access	-	-	Disable connections to the global network.
Network Reset	-	-	-	Restore all network settings of your machine to the factory settings.

On connection to the network, if the machine's 'Boot Method' is 'Auto' the machine will attempt to set the IP address and Subnet Mask from a boot server such as DHCP. If a boot server cannot be found, an APIPA IP address will be allocated, such as 169. 254. (001-254). (000-255). If the 'Boot Method' of the machine is set to 'Static' you must manually enter an IP address from the machine's control panel.

[Print Reports]

Level 3	Level 4	Description
Printer Settings	-	Print the Printer Settings page.
Network Config	-	Print the Network Configuration Report.
(For network models)		
Print File List	-	Print a list of data saved in the memory.
Drum Dot Print	-	Print the Drum Dot Check Sheet.
WLAN Report	-	Print the wireless connection diagnostics report.
(For wireless models)		

[Machine Info.]

Level 3	Level 4	Level 5	Description
Serial No.	-	-	Display the machine's serial number.
Firmware	Main Version	-	Check your machine's firmware version.
	Security Version		
Page Counter	-	-	Display the total number of printed pages.
Parts Life 1	Toner	-	Display the remaining life of the toner cartridge.
	Drum	-	Display the remaining life of the drum 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 The parts life is approximate and may vary by type of use.
- ² Available if the Optional Tray(s) is installed.

[Initial Setup]

Level 3	Level 4		Description	
Reset	Machine Reset		Restore all the machine's settings that you have changed, such as Paper Type.	
	Network Reset		Restore all network settings of your machine to the factory settings.	
	Factory	Reset	Reset the machine and restore the printer settings (including command settings) to the factory settings.	
Local Language	-		Select the LCD language for your country.	

4

Related Information

• Settings and Features Tables

■ Home > Machine Settings > Change Machine Settings from the Control Panel > Settings and Features Tables > Settings Tables (HL-L6410DN/HL-L6415DN)

Settings Tables (HL-L6410DN/HL-L6415DN)

Related Models: HL-L6410DN/HL-L6415DN

- >> [Settings]
- >> [General Setup]
- >> [Printer]
- >> [Network]
- >> [Print Reports]
- >> [Machine Information]
- >> [Initial Setup]

[Settings]



[Settings]

Level 2	Level 3	Level 4	Descriptions		
Toner	Toner Life	-	View the approximate remaining toner life.		
	Test Print	-	Print a test page.		
	Toner Cartridge Check	-	View the information of the installed toner cartridge such as whether the toner cartridge is genuine or not on the LCD.		
Network	Wired LAN	-	Access the Wired LAN setting menus.		
	WLAN (Wi-Fi) 1	-	Access the WLAN setting menus.		
Wi-Fi Direct	-	-	Access the Wi-Fi Direct setting menus.		
Tray Setting	-	-	Access the tray setting menus.		
Eco Mode	-	-	Turn the following machine settings on at the same time:		
			• 2-sided Print: Long Edge ²		
			Sleep Time: 0 Min		
			• Dim Timer: 10 Secs		
			• Quiet Mode: On ²		
			• Toner Save: On ²		
All Settings	-	-	Configure the detailed settings.		

- 1 For certain models, the wireless network connection can be used only when the optional Wireless Module is installed.
- ² Changing this setting is available only after you change certain other machine settings using Web Based Management.

[General Setup]

[All Settings] > [General Setup]

Level 3	Level 4	Level 5	Level 6	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).

Level 3	Level 4	Level 5	Level 6	Descriptions
Tray Setting	Paper Type	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).
		Tray 5 ²	-	Select the paper type that matches the paper in the Optional Tray (Tray 5).
	Paper Size	MP Tray	-	Select the paper size you loaded in the MP tray.
		Tray 1	-	Select the paper size you loaded in the standard paper tray.
		Tray 2 ¹	-	Select the paper size you loaded in the Optional Tray (Tray 2).
		Tray 3 ¹	-	Select the paper size you loaded in the Optional Tray (Tray 3).
		Tray 4 ¹	-	Select the paper size you loaded in the Optional Tray (Tray 4).
		Tray 5 ²	-	Select the paper size you loaded in the Optional Tray (Tray 5).
	Tray Use	-	-	Select the paper tray you want to use.
	Priority	-	-	When the Priority option is selected in the Tray Use menu, select the order in which the machine uses paper trays that contain paper of the same size.
	Print Position	MP Tray	X Offset	Adjust the print start position (usually at the top-left corner of a page) for the paper you loaded in the MP tray horizontally from -500 (left) to +500 (right) dots when printing at 300 dpi.
			Y Offset	Adjust the print start position (usually at the top-left corner of a page) for the paper you loaded in the MP tray vertically from -500 (up) to +500 (down) dots when printing at 300 dpi.
		Tray 1	X Offset	Adjust the print start position (usually at the top-left corner of a page) for the paper you loaded in the standard paper tray horizontally from -500 (left) to +500 (right) dots when printing at 300 dpi.
			Y Offset	Adjust the print start position (usually at the top-left corner of a page) for the paper you loaded in the standard paper tray vertically from -500 (up) to +500 (down) dots when printing at 300 dpi.
		Tray 2 ¹	X Offset	Adjust the print start position (usually at the top-left corner of a page) for the paper you loaded in the Optional tray (Tray 2) horizontally from -500 (left) to +500 (right) dots when printing at 300 dpi.
			Y Offset	Adjust the print start position (usually at the top-left corner of a page) for the paper you loaded in the Optional tray (Tray 2) vertically from -500 (up) to +500 (down) dots when printing at 300 dpi.
		Tray 3 ¹	X Offset	Adjust the print start position (usually at the top-left corner of a page) for the paper you loaded in the Optional tray (Tray 3) horizontally from -500 (left) to +500 (right) dots when printing at 300 dpi.
			Y Offset	Adjust the print start position (usually at the top-left corner of a page) for the paper you loaded in the Optional tray (Tray 3) vertically from -500 (up) to +500 (down) dots when printing at 300 dpi.

Level 3	Level 4	Level 5	Level 6	Descriptions
Tray Setting	Print Position	Tray 4 ¹	X Offset	Adjust the print start position (usually at the top-left corner of a page) for the paper you loaded in the Optional tray (Tray 4) horizontally from -500 (left) to +500 (right) dots when printing at 300 dpi.
			Y Offset	Adjust the print start position (usually at the top-left corner of a page) for the paper you loaded in the Optional tray (Tray 4) vertically from -500 (up) to +500 (down) dots when printing at 300 dpi.
		Tray 5 ²	X Offset	Move the print start position (at the top-left corner of pages) of paper you loaded in the Optional Tray (Tray 5) horizontally from -500 (left) to +500 (right) dots in 300 dpi.
			Y Offset	Move the print start position (at the top-left corner of pages) of paper you loaded in the Optional Tray (Tray 5) vertically from -500 (up) to +500 (down) dots in 300 dpi.
	Output Tray 3	-	-	Select the output tray you want to use.
	Staple ⁴ (HL-L6410DN/HL-L6415DN)	-	-	Select whether to staple print jobs and eject the pages onto the Stapler Finisher Output Tray.
	Offset ⁴ (HL-L6410DN/ HL-L6415DN)	-	-	Select whether to shift print jobs ejected onto the Stapler Finisher Output Tray for easier collating.
	SF Continue ⁴ (HL-L6410DN/HL-L6415DN)	-	-	Select if you want the machine to continue printing when the selected paper size or media type is not supported by the Stapler Finisher (SF).
	MX Continue ⁵	-	-	Select if you want the machine to continue printing as soon as there is any free space in the Mailbox (MX).
	Skip Tray ⁶	-	-	Select a specific tray you do not want to use if it is loaded with paper of the wrong size.
	Separator Tray 6	-	-	Select the tray that contains the paper used as the separator paper, which is inserted between each print job.
	Paper Low Notice	Paper Low Notice	-	Select whether to display a message indicating the paper tray is nearly empty.
		Notice Level	-	Select the minimum paper level that will trigger the message.
	Check Paper	-	-	Select whether to display a message indicating to check the paper type and paper size when you pull the tray out of the machine.
Beep	-	-	-	Select the beeper sound level.
LCD	Backlight	-	-	Adjust the brightness of the LCD backlight.
Settings	Dim Timer	-	-	Set how long the LCD backlight stays on after the last finger press.
Screen Settings	Display Information	IP Address	-	Select whether to display your machine's IP Address on the Home screen.
Ecology	Eco Mode	-	-	Turn the following machine settings on at the same time:
				• 2-sided Print:Long Edge 7
				Sleep Time: 0 Min
				• Dim Timer: 10 Secs

Level 3	Level 4	Level 5	Level 6	Descriptions				
Ecology				• Quiet Mode: On ⁷				
				• Toner Save: On ⁷				
	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.				
Improve Output	-	-	-	Enable the Reduce Curl feature or the Toner Fixing feature to improve print output.				
Setting	Set Password	-	-	Restrict unauthorised users from changing the				
Lock	Lock Off⇒On	-	-	machine's settings.				
	New Password	-	-					
	(Available only when you enter the password for the first time.)							
Interface	Select	-	-	Select the interface to use.				
				If you select the Priority option, the machine changes the interface to USB or network depending on which interface is receiving data.				
	Auto IF Time	-	-	Set the time-out period for the auto interface selection.				
	Input Buffer	-	-	Increase or decrease the input buffer capacity.				
Delete	Macro ID	-	-	Delete the registered Macro data.				
Storage	Stream ID	-	-	Delete the registered Stream data.				
	Font ID	-	-	Delete the registered Font data.				
	Delete All	-	-	Restore the Macro, Stream and Font data of your machine to the factory settings.				
	Initialise USB Flash Drive (Available only	-	-	Initialise the USB flash drive for USB Storage Print. Initialising the USB flash drive takes more than 40 minutes.				
	when the USB flash drive is selected in the Job Save Location menu.)			This initialisation process does not make the data completely unrecoverable.				

- 1 Available if the Optional Tray(s) is installed.
- 2 (HL-L6210DW/HL-L6410DN/HL-L6415DN) Available if the Optional Tray(s) is installed.
- ³ (HL-L6410DN/HL-L6415DN)
 - Available if the Mail Box or Stapler Finisher is installed.
- ⁴ Available if the Stapler Finisher is installed.
- ⁵ (HL-L6410DN/HL-L6415DN)
 - Available if the Mail Box is installed.
- ⁶ Available if the Lower Tray(s) is installed.
- 7 Changing this setting is available only after you change certain other machine settings using Web Based Management.

[Printer]

[All Settings] > [Printer]

Level 3	Level 4	Level 5	Descriptions	
Emulation	-	-	Choose the emulation mode.	
Resolution	-	-	Select a print resolution. Select the print quality.	
Density	-	-	Increase or decrease the print density.	
Print Settings	-	-	Set your print settings to Text or Graphics.	
Print Options	Font List	HP LaserJet	Print the font list and samples of HP LaserJet.	
		BR-Script 3	Print the font list and samples of BR-Script.	
	Test Print	-	Print the test page.	
2-sided	2-sided Print	-	Select whether to print on both sides of the paper.	
	Single Image	-	For a print job where the last page is a one-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.	
Paper Type	-	-	Set the type of paper.	
Paper Size	-	-	Set the paper size.	
Copies	-	-	Set the number of printed pages.	
Orientation	-	-	Set pages to print in either portrait or landscape orientation.	
Print Position	-	-	Access the Print Position setting menus.	
Auto FF	-	-	Allow the machine to print any remaining data automatically.	
HP LaserJet	Font No.	Font No.	Set the font number.	
			This menu appears if a soft font is installed on your Brother machine.	
		Soft Font	Set the soft font number.	
		No.	This menu appears if a soft font is installed on your Brother machine.	
	Font Pitch	-	Set the font pitch. (Available only for certain fonts.)	
	Font Point	-	Set the font size.	
			(Available only for certain fonts.)	
	Symbol Set	-	Select the symbol or character set.	
	Table Print	-	Print the code table.	
	Auto LF	-	ON: CR -> CR+LF, OFF: CR -> CR	
	Auto CR	-	ON: LF -> LF+CR, FF -> FF+CR, or VT -> VT+CR	
			OFF: LF -> LF, FF -> FF, or VT -> VT	
	Auto WRAP	-	Select whether you want a line feed and carriage return when the carriage position reaches the right margin.	

Level 3	Level 4	Level 5	Descriptions
HP LaserJet	Auto SKIP	-	Select whether you want a line feed and carriage return when the carriage position reaches the bottom margin.
	Left Margin	-	Set the left margin at column 0 to 70 columns at 1 cpi.
	Right Margin	-	Set the right margin at column 10 to 80 columns at 1 cpi.
	Top Margin	-	Set the top margin distance from the top edge of the paper.
	Bottom Margin	-	Set the bottom margin distance from the bottom edge of the paper.
	Lines	-	Set the number of lines on each page.
	Tray Command	-	Select this setting if a tray mismatch appears when you use the HP drivers.
Epson FX-850	Font No.	-	Set the font number.
	Font Pitch	-	Set the font pitch.
			(Available only for certain fonts.)
	Font Point	-	Set the font size.
			(Available only for certain fonts.)
	Character Set	-	Select the symbol or character set.
	Table Print	-	Print the code table.
	Auto LF	-	ON: CR -> CR+LF, OFF: CR -> CR
	Auto Mask	-	Set the top and bottom margins to two lines each. When you set Auto Mask to On, this setting overrides the Top Margin and Bottom Margin settings.
	Tafk Manain		
-	Left Margin	-	Set the left margin at column 0 to 70 columns at 1 cpi.
	Right Margin	-	Set the right margin at column 10 to 80 columns at 1 cpi.
	Top Margin	-	Set the top margin distance from the top edge of the paper.
	Bottom Margin	-	Set the bottom margin distance from the bottom edge of the paper.
	Lines	-	Set the number of lines on each page.
IBM Proprinter	Font No.	-	Set the font number.
	Font Pitch	-	Set the font pitch. (Available only for certain fonts.)
	Font Point	-	Set the font size. (Available only for certain fonts.)
	Character Set	-	Select the symbol or character set.
	Table Print	-	Print the code table.
	Auto LF	-	ON: CR -> CR+LF, OFF: CR -> CR
	Auto CR	-	ON: LF -> LF+CR, FF -> FF+CR, or VT -> VT+CR
			OFF: LF -> LF, FF -> FF, or VT -> VT
	Auto Mask	-	Set the top and bottom margins to two lines each. When you set Auto Mask to On, this setting overrides the Top Margin and Bottom Margin settings.
	Left Margin	-	Set the left margin at column 0 to 70 columns at 1 cpi.
	Right Margin	-	Set the right margin at column 10 to 80 columns at 1 cpi.
	Top Margin	-	Set the top margin distance from the top edge of the paper.

Level 3	Level 4	Level 5	Descriptions
IBM Proprinter	Bottom Margin	-	Set the bottom margin distance from the bottom edge of the paper.
	Lines	-	Set the number of lines on each page.
BR-Script 3	Error Print	-	Choose whether the machine prints the error information when errors occur.
PDF	Multiple Page	-	Set the page layout when printing multiple pages.
	PDF Print Options	-	Set the PDF Print setting to print either comments (Markup) or stamps in the PDF file, along with the text.
	PDF Fit to Page	-	Select if the machine scales or resizes the pages in the PDF file to fit the selected paper size.
Carbon Menu	Carbon Copy	-	Enable or disable the Carbon Copy function.
	Copies	-	Sets the number of printed pages.
	Copy1 Tray	-	Select the tray you use for Copy1.
	Copyl Macro	-	Select a macro/stream for Copy1.
	Copy2 Tray Copy8 Tray	-	Select the tray you use for Copy2 to Copy8.
	Copy2 Macro Copy8 Macro	-	Select a macro/stream for Copy2 to Copy8.
Job Save Location	-	-	Select the location where you want to save print jobs.
Reset Printer	-	-	Restore the machine settings to the factory settings.

[Network]

[All Settings] > [Network]

Level 3	Level 4	Level 5	Level 6	Descriptions
Wired LAN	TCP/IP	Boot Method	-	Choose the IP method that best suits your needs.
		IP Address	-	Enter the IP address.
		Subnet Mask	-	Enter the Subnet mask.
		Gateway	-	Enter the Gateway address.
		Node Name	-	Enter the Node name.
		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 primary DNS server's IP address.
			Secondary	Specify the secondary DNS server's IP address.
		APIPA	-	Allocate the IP address from the link-local address range automatically. ¹
		IPv6	-	Enable or disable the IPv6 protocol.

Level 3	Level 4	Level 5	Level 6	Descriptions
Wired LAN	Ethernet	-	-	Choose the Ethernet link mode.
	Wired Status	-	-	Display the wired network connection status.
	MAC Address	-	-	Display your machine's MAC address.
	Set to Default 2	-	-	Restore your machine's wired network settings to the factory settings.
	Wired Enable 2	-	-	Turn the wired interface on or off.
WLAN (Wi-Fi) ²	Find Wi-Fi Network	-	-	Configure your wireless network settings manually.
	TCP/IP	Boot Method	-	Choose the IP method that best suits your needs.
		IP Address	-	Enter the IP address.
		Subnet Mask	-	Enter the Subnet mask.
		Gateway	-	Enter the Gateway address.
		Node Name	-	Enter the Node name.
		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 primary DNS server's IP address.
			Secondary	Specify the secondary DNS server's IP address.
		APIPA	-	Allocate the IP address from the link-local address range automatically. ¹
		IPv6	-	Enable or disable the IPv6 protocol.
	WPS/Push Button	-	-	Configure your wireless network settings using the one-button push method.
	WPS/PIN Code	-	-	Configure the wireless network settings using WPS with a PIN code.
	WLAN Status	Status	-	Display the wireless network connection status.
		Signal	-	Display the wireless network signal strength.
		SSID	-	Display the wireless SSID (Network Name).
		Comm. Mode	-	Display the current Communication mode.
	MAC Address	-	-	Display your machine's MAC address.
	Set to Default	-	-	Restore your machine's wireless network settings to the factory settings.

Level 3	Level 4	Level 5	Level 6	Descriptions
WLAN (Wi-Fi) ²	WLAN Enable	-	-	Turn the wireless interface on or off.
Wi-Fi Direct ²	Manual	-	-	Configure your Wi-Fi Direct network settings manually.
	Group Owner	-	-	Set your machine as the Group Owner.
	Push Button	-	-	Configure your Wi-Fi Direct network settings using the one-button push method quickly.
	PIN Code	-	-	Configure your Wi-Fi Direct network settings using WPS with a PIN code quickly.
	Device	Device Name	-	View your machine's device name.
	Information	SSID	-	Display the Group Owner's SSID (Network Name).
		IP Address	-	Display your machine's IP Address.
	Status Information	Status	-	Display the Wi-Fi Direct network status.
		Signal	-	Display the current Wi-Fi Direct network signal strength.
	I/F Enable	-	-	Enable or disable the Wi-Fi Direct connection.
NFC	-	-	-	Turn the NFC function on or off.
Web Connect Settings	Proxy Settings	Proxy Connection	-	Change the web connection settings.
		Address	-	
		Port	-	
		User Name	-	
		Password	-	
Web Based Mgmt	-	-	-	Enable or disable the Web Based Management function. If you enable this function, make sure you specify the method of connecting to Web Based Management.
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.
Global Detect	Allow Detect	-	-	Enable or disable a function that detects and notifies the user when the user unintentionally connects to a global network.
	Reject Access	-	-	Disable connections to the global network.
Network Reset	-	-	-	Restore all network settings of your machine to the factory settings.

On connection to the network, if the machine's 'Boot Method' is 'Auto' the machine will attempt to set the IP address and Subnet Mask from a boot server such as DHCP. If a boot server cannot be found, an APIPA IP address will be allocated, such as 169. 254. (001-254). (000-255). If the 'Boot Method' of the machine is set to 'Static' you must manually enter an IP address from the machine's control panel.

² For certain models, the wireless network connection can be used only when the optional Wireless Module is installed.

[Print Reports]

[All Settings] > [Print Reports]

Level 3	Descriptions
Printer Settings	Print the Printer Settings page.
Network Configuration	Print the Network Configuration Report.
Print File List	Print a list of data saved in the memory.
Drum Dot Print	Print the Drum Dot Check Sheet.
WLAN Report	Print the wireless connection diagnostics report.

[Machine Information]

[All Settings] > [Machine Information]

Level 3	Level 4	Descriptions
Serial No.	-	Display the machine's serial number.
Firmware Version	Main Version	Check your machine's firmware version.
	Security Version	
Firmware Update	-	Update your machine's firmware to the latest version.
Firmware Auto Check	-	View firmware information on the Home screen.
Page Counter	-	Display the total number of printed pages.
Parts Life 1	Drum	Display the remaining life of the drum unit.
	Fuser	Display the remaining life of the fuser unit.
	Laser	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.
	PF Kit 5 ²³	Display the remaining life of the PF Kit 5.

¹ The parts life is approximate and may vary by type of use.

[Initial Setup]

[All Settings] > [Initial Setup]

Level 3	Level 4		Descriptions	
Reset	Machine	Reset	Restore all the machine's settings that you have changed, such as Paper Type.	
	Network Reset		Restore all network settings of your machine to the factory settings.	
	Factory	Reset	Reset the machine and restore the printer settings (including command settings) to the factory settings.	
Local Language	-		Select the LCD language for your country.	

² Available if the Optional Tray(s) is installed.

³ Supported models only.



Related Information

• Settings and Features Tables

■ Home > Machine Settings > Change Machine Settings from the Control Panel > Settings and Features Tables > Feature Tables (HL-L6410DN/HL-L6415DN)

Feature Tables (HL-L6410DN/HL-L6415DN)

Related Models: HL-L6410DN/HL-L6415DN

- >> Toner
- >> Wi-Fi Setup
- >> [Web]
- >> [Secure Print]

Toner



Level 2	Level 3	Level 4	Descriptions
(Toner)	Toner Life	-	View the approximate remaining toner life.
	Test Print	-	Print the test page.
	Toner Cartridge Check	-	View the information of the installed toner cartridge such as whether the toner cartridge is genuine or not on the LCD.

Wi-Fi Setup



Level 2	Level 3	Descriptions
(Wi-Fi Setup) Find Wi-Fi Network		Configure your wireless network settings manually.
	WPS/Push Button	Configure your wireless network settings using the one-button push method.
	WPS/PIN Code 1	Configure the wireless network settings using WPS with a PIN code.
	WLAN Status 1	Display the wireless network connection status.
	MAC Address 1	Display your machine's MAC address.
	Set to Default 1	Restore your machine's wireless network settings to the factory settings.
	WLAN Enable 1	Turn the wireless interface on or off.
	TCP/IP 1	Change the TCP/IP settings.

¹ Available after a Wi-Fi[®] connection has been configured.

NOTE

For certain models, the wireless network connection can be used only when the optional Wireless Module is installed.

[Web]



[Web]

Level 2 **Descriptions**



Connect the Brother machine to an Internet service.

Web services may have been added and service names may have been changed by the provider since this document was published.

[Secure Print]



[Secure Print]

Level 2	Descriptions
Secure Print	You can print data saved in the machine's memory or USB flash drive when you enter your four-digit password.
	Active only when the machine or USB flash drive has secure print data.

Related Information

• Settings and Features Tables

▲ Home > Machine Settings > Change Machine Settings Using Web Based Management

Change Machine Settings Using Web Based Management

Related Models: HL-L5215DN/HL-L6210DW/HL-L6410DN/HL-L6415DN

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 or Change a Login Password for Web Based Management

■ Home > Machine Settings > Change Machine Settings Using Web Based Management > What is Web Based Management?

What is Web Based Management?

Related Models: HL-L5215DN/HL-L6210DW/HL-L6410DN/HL-L6415DN

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).



- We recommend using the latest version of the following web browsers:
 - Microsoft Edge, Firefox, and Google Chrome[™] for Windows
 - Safari, Firefox, and Google Chrome[™] for Mac
 - Google Chrome[™] for Android[™]
 - Safari and Google Chrome[™] for iOS
- Ensure that JavaScript and Cookies are always enabled, regardless of which browser you use.
- Make sure your machine is On and connected to the same network as your computer, and that your network supports the TCP/IP protocol.



The actual screen may differ from the screen shown above.



· Change Machine Settings Using Web Based Management

■ Home > Machine Settings > Change Machine Settings Using Web Based Management > Access Web **Based Management**

Access Web Based Management

Related Models: HL-L5215DN/HL-L6210DW/HL-L6410DN/HL-L6415DN

- We recommend using the latest version of the following web browsers:
 - Microsoft Edge, Firefox, and Google Chrome[™] for Windows
 - Safari, Firefox, and Google Chrome[™] for Mac
 - Google Chrome[™] for Android[™]
 - Safari and Google Chrome[™] for iOS
- Ensure that JavaScript and Cookies are always enabled, regardless of which browser you use.
- HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW/HL-L6410DN/HL-L6415DN:

We recommend using the HTTPS security protocol when configuring settings using Web Based Management.

HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW/HL-L6410DN/HL-L6415DN:

When you use HTTPS for Web Based Management configuration, your browser will display a warning dialog box. To avoid displaying the warning dialog box, you can install a self-signed certificate to use SSL/TLS communication. For more information, see Related Information.

The default password to manage this machine's settings is located on the back of the machine and marked "Pwd". We recommend immediately changing the default password to protect your machine from unauthorised access.

You can also find the default password in the Network Configuration Report.

- >> Access Web Based Management from your Web Browser
- >> Access Web Based Management from Brother iPrint&Scan (Windows/Mac)
- >> Access Web Based Management from Brother Utilities (Windows)

Access Web Based Management from your Web Browser

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

For example:

https://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: https://SharedPrinter

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

For example: https://brn123456abcdef

- The NetBIOS name can be found in the Network Configuration Report.
- 3. If required, type the password in the **Login** field, and then click **Login**.



The default password to manage this machine's settings is located on the back of the machine and marked "Pwd".



You can now change the machine's settings.

Access Web Based Management from Brother iPrint&Scan (Windows/Mac)

- 1. Start Brother iPrint&Scan.
 - Windows

🌉(Brother iPrint&Scan). Launch

Mac

In the **Finder** menu bar, click **Go > Applications**, and then double-click the iPrint&Scan icon.

The Brother iPrint&Scan screen appears.

- 2. If your Brother machine is not selected, click the **Select your Machine** button, and then select your model name from the list. Click OK.
- Click (Machine Settings).
- 4. Click All Settings.

The Web Based Management page appears.

5. If required, type the password in the **Login** field, and then click **Login**.



The default password to manage this machine's settings is located on the back of the machine and marked "Pwd".

6. If you want to pin the navigation menu on the left side of the screen, click ≡ and then click 📰



You can now change the machine's settings.



You can also access Web Based Management from Brother Mobile Connect for mobile devices.

Access Web Based Management from Brother Utilities (Windows)

- 1. Launch [Real of the control of th selected).
- 2. Click Tools in the left navigation bar, and then click Machine Settings.

The Web Based Management page appears.

3. If required, type the password in the Login field, and then click Login.



The default password to manage this machine's settings is located on the back of the machine and marked "Pwd".



You can now change the machine's settings.

If you change the protocol settings, you must restart the machine after clicking Submit to activate the configuration.

After configuring the settings, click Logout.

Related Information

Change Machine Settings Using Web Based Management

Related Topics:

- Print the Network Configuration Report
- Use SSL/TLS
- · Create a Self-signed Certificate
- · Install the Self-signed Certificate for Windows Users as Administrators

Set or Change a Login Password for Web Based Management

The default password to manage this machine's settings is located on the back of the machine and marked "Pwd". We recommend immediately changing the default password to protect your machine from unauthorised access.

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

For example:

https://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: https://SharedPrinter

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

For example: https://brn123456abcdef

- The NetBIOS name can be found in the Network Configuration Report.
- 3. Do one of the following:
 - If you have previously set your own password, type it, and then click Login.
 - If you have not previously set your own password, type the default login password, and then click Login.
- 4. Go to the navigation menu, and then click **Administrator** > **Login Password**.



- The default password to manage this machine's settings is located on the back of the machine and marked "Pwd".
- Start from =, if the navigation menu is not shown on the left side of the screen.
- 5. To change the password, type your current password in the Enter Old Password field.
- 6. Following the on-screen **Login Password** guidelines, type your new password in the **Enter New Password** field.
- 7. Retype the new password in the Confirm New Password field.
- 8. Click Submit.



You can also change the lockout settings in the Login Password menu.

4

Related Information

Change Machine Settings Using Web Based Management

■ Home > Appendix

Appendix

- Specifications
- Supplies
- Environmental and Compliance Information
- Accessories
- Brother Help and Customer Support

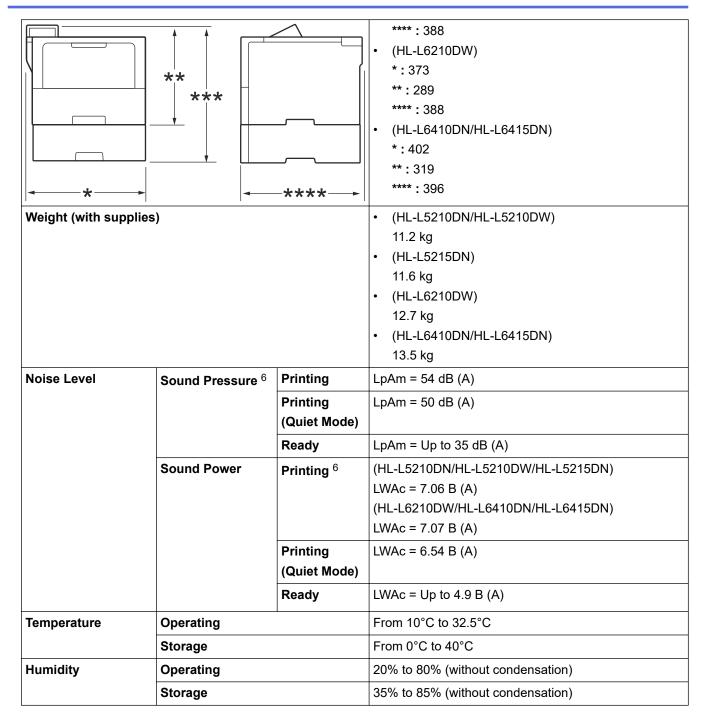
■ Home > Appendix > Specifications

Specifications

- >> General Specifications
- >> Print Media Specifications
- >> Printer Specifications
- >> Interface Specifications
- >> Supported Protocols and Security Features
- >> Computer Requirements Specifications

General Specifications

Printer Type		Laser
Print Method		Electrophotographic Laser Printer
Memory Capacity	Standard	 (HL-L5210DN/HL-L5210DW/HL-L5215DN/ HL-L6210DW) 256 MB (HL-L6410DN/HL-L6415DN) 1 GB
Machine display		(HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW) 16 characters x 1 line (HL-L6410DN/HL-L6415DN) 3.5 in. TFT Colour touchscreen Liquid Crystal Display (LCD) ¹ Touchscreen 72.5 x 68.7 mm
Power Source		220 V to 240 V AC 50/60 Hz
Power Consumption	Peak	Approximately 1,280 W
(Average)	Printing ² ³	 (HL-L5210DN/HL-L5210DW/HL-L5215DN) Approximately 670 W at 25°C (HL-L6210DW/HL-L6410DN/HL-L6415DN) Approximately 710 W at 25°C
	Printing (Quiet Mode) ²³	Approximately 430 W at 25°C
	Ready ^{2 3}	Approximately 31 W at 25°C
	Sleep ^{2 3}	 (HL-L5210DN/HL-L5210DW/HL-L5215DN/ HL-L6210DW) Approximately 5.5 W (HL-L6410DN/HL-L6415DN) Approximately 5.9 W
	Deep Sleep ^{2 3} Power Off ^{4 5}	(HL-L5210DN/HL-L5210DW/HL-L5215DN/ HL-L6210DW) Approximately 0.5 W (HL-L6410DN/HL-L6415DN) Approximately 0.6 W Approximately 0.05 W
Dimensions (Typical outline view)		Unit: mm • (HL-L5210DN/HL-L5210DW/HL-L5215DN) *: 373 **: 257



- 1 Measured diagonally.
- ² Measured when the machine is connected to the USB interface.
- 3 Measured when the machine is connected using the same network connection as the ENERGY STAR Ver. 3.1 test method.
- 4 Measured according to IEC 62301 Edition 2.0.
- 5 Power consumption varies slightly depending on the usage environment.
- 6 Measured in accordance with the method described in ISO 7779.

Print Media Specifications

Paper Input	Paper Tray (Standard)	Paper Type	Plain Paper, Letterhead, Coloured Paper, Thin Paper, Recycled Paper, Thick Paper
		Paper Size	A4, Letter, B5 (JIS), A5, A5 (Long Edge), A6, Executive, Legal, Mexico Legal, India Legal, Folio, 16K (195x270 mm), A4 Short (270mm Paper)
		Paper Weight	60 to 163 g/m ² ¹

(Standard) Paper Capacity Up to 250 sheets of 80 g/m² Plain Paper (HL-L6210DW/HL-L6415DN) Up to 520 sheets of 80 g/m² Plain Paper (HL-L6210DW/HL-L6415DN) Up to 520 sheets of 80 g/m² Plain Paper, Thin Paper, The Paper, Thicker Paper, Recycled Paper, Bond, Label, Envelope, Env.Thin, Env.Thick Paper Size	D	В		//			
Capacity Chil. L6210DWHL.L6415DN) Up to 520 sheets of 80 g/m² Plain Paper Plain Paper, Thicker Paper, Recycled Paper, End, Label, Envelope, Env. Thin, Env. Thick Paper Size Paper Welght Community Community Community Capacity Capacity Capacity Paper Type Paper Type Paper Type Paper Type Paper Type Paper Size P	Paper Input	Paper Tray	Maximum	• (HL-L5210DN/HL-L5210DW/HL-L5215DN)			
Multi-purpose Tray (MP Tray)		(Standard)					
Multi-purpose Tray (MP Tray) Paper Type			. ,	• (HL-L6210DW/HL-L6410DN/HL-L6415DN)			
Paper Size Paper Recycled Paper, Bond, Label, Envelope, Env-Thin, Env-Thick				Up to 520 sheets of 80 g/m ² Plain Paper			
Face Down Output Tray Face Down Output Tray Face Up Output Tray Mailbox (Optional) Optional) Optional Paper Type Optional Paper			Paper Type				
Paper Weight Paper Weight Paper Weight Paper Weight Paper Tray 2, 3, 4 Paper Tray 2, 3, 4 Paper Tray 2, 3, 4 Paper Size Paper Size Paper Capacity Paper Size Paper			Paper Size	69.8 to 215.9 mm			
COM-10, DL, C5, Monarch				127 to 355.6 mm			
Paper Weight 60 to 230 g/m² 1				Envelope:			
Maximum Paper Capacity - Envelope: Up to 11 mm thick				COM-10, DL, C5, Monarch			
Paper Tray 2, 3, 4 (Optional) 2 Paper Tray 2, 3, 4 (Optional) 2 Paper Size Paper Size A4, Letter, B5 (JIS), A5, Executive, Legal, Mexico Legal, India Legal, Folio, 16K (195x270 mm), A4 Short (270mm Paper) Paper Weight Maximum Paper Capacity Paper Capacity Paper Capacity Face Down Output Tray Face Down Output Tray Face Up Output Tray Face Up Output Tray Paper Capacity Paper Size Paper			Paper Weight	60 to 230 g/m ² ¹			
Paper Tray 2, 3, 4 (Optional) 2 Paper Tray 2, 3, 4 (Optional) 2 Paper Size Paper Size A4, Letter, B5 (JIS), A5, Executive, Legal, Mexico Legal, India Legal, Folio, 16K (195x270 mm), A4 Short (270mm Paper) Paper Weight Maximum Paper Capacity Paper Capacity Face Down Output Tray Face Down Output Tray Face Up Output Tray Face Up Output Tray Face Up Output Tray Mailbox (Optional) Mailbox (Optional) Mailbox (Optional) Paper Type Paper Size Paper Type Paper Size A4, Letter, B5 (JIS), A5, Executive, Legal, Mexico Legal, India Legal, Folio, 16K (195x270 mm), A4 Short (270mm Paper) A4, Letter, B5 (JIS), A5, Executive, Legal, Mexico Legal, India Legal, Folio, 16K (195x270 mm), A4 Short (270mm Paper) A4, Letter, B5 (JIS), A5, Executive, Legal, Mexico Legal, India Legal, Folio, 16K (195x270 mm), A4 Short (270mm Paper) A4, Letter, B5 (JIS), A5, Executive, Legal, Mexico Legal, India Legal, Folio, 16K (195x270 mm), A4 Short (270mm Paper) A4, Letter, B5 (JIS), A5, Executive, Legal, Mexico Legal, India Legal, Folio, 16K (195x270 mm), A4 Short (270mm Paper) A5 (India Legal, Folio, 16K (195x270 mm), A4 Short (270mm Paper) A4, Letter, B5 (JIS), A5, Executive, Legal, Mexico Legal, India Legal, Folio, 16K (195x270 mm), A4 Short (270mm Paper) A4, Letter, B5 (JIS), A5, Executive, Legal, Mexico Legal, India Legal, Folio, 16K (195x270 mm), A4 Short (270mm Paper) A4, Letter, B5 (JIS), A5, Executive, Legal, Mexico Legal, India Legal, Folio, 16K (195x270 mm), A4 Short (270mm Paper) A4, Letter, B5 (JIS), A5, Executive, Legal, Mexico Legal, India Legal, Folio, 16K (195x270 mm), A4 Short (270mm Paper) A4, Letter, B5 (JIS), A5, Executive, Legal, Mexico Legal, India Legal, Folio, 16K (195x270 mm), A4 Short (270mm Paper) A5 (HL-L5210DN/HL-L5215DN/HL-L5215DN/HL-L6210DN/HL-L6415DN) Up to 520 sheets of 80 g/m² Plain Paper, Paper Size A4 A4 (HL-L6210DN/HL-L6415DN) Do 10 sheets (face up delivery to the face up output tray) (HL-L6410DN/HL-L6415DN) Up to 10 sheets (face up delivery to the face up output tray) (HL-L641			Maximum	Lin to 100 Sheets of 80 a/m² Plain Paper			
Recycled Paper, Thick Paper			Paper				
India Legal, Folio, 16K (195x270 mm), A4 Short (270mm Paper) Paper Weight 60 to 120 g/m² 1 Maximum Paper LT-5505 Up to 250 sheets of 80 g/m² Plain Paper LT-6505 Up to 520 sheets of 80 g/m² Plain Paper LT-6505 Up to 520 sheets of 80 g/m² Plain Paper LT-6210DN/HL-L5210DN/HL-L5215DN/ HL-6210DW) Up to 150 sheets of 80 g/m² Plain Paper (face-down delivery to the face-down output paper tray) (HL-L6410DN/HL-L6415DN) Up to 250 Sheets of 80 g/m² Plain Paper (face down delivery to the face down output paper tray) (HL-L6210DN/HL-L5210DN/HL-L5215DN/ HL-6210DW) One sheet (face up delivery to the face up output tray) (HL-L6210DN/HL-L6415DN) Up to 10 sheets (face up delivery to the face up output tray) (HL-L6410DN/HL-L6415DN) Up to 10 sheets (face up delivery to the face up output tray) (HL-L6410DN/HL-L6415DN) Up to 10 sheets x 4 bins of 80 g/m² 400 sheets x 2 bins of 80 g/m² 400 sheets x 2 bins of 80 g/m² Paper Size Paper Size A4		1	Paper Type				
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Paper Capacity Up to 250 sheets of 80 g/m² Plain Paper LT-6505 Up to 520 sheets of 80 g/m² Plain Paper (HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW) Up to 150 sheets of 80 g/m² Plain Paper (face-down delivery to the face-down output paper tray) (HL-L6410DN/HL-L6415DN) Up to 250 Sheets of 80 g/m² Plain Paper (face down delivery to the face down output paper tray) Face Up Output Tray Face Up Output Tray (HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW) One sheet (face up delivery to the face up output tray) (HL-L6410DN/HL-L6415DN) Up to 10 sheets (face up delivery to the face up output tray) Mailbox (Optional) (HL-L6410DN/HL-L6415DN) 100 sheets x 4 bins of 80 g/m² 400 sheets x 2 bins of 80 g/m² Paper Size Automatic 2-sided Paper Type Plain Paper, Letterhead, Coloured Paper, Thin Paper, Recycled Paper			Paper Weight	60 to 120 g/m ² ¹			
Paper Output 3 Face Down Output Tray Face Up Outp			Paper	• LT-5505			
Paper Output 3 Face Down Output Tray - (HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW) Up to 150 sheets of 80 g/m² Plain Paper (face-down delivery to the face-down output paper tray) - (HL-L6410DN/HL-L6415DN) Up to 250 Sheets of 80 g/m² Plain Paper (face down delivery to the face down output paper tray) - (HL-L6210DW) Face Up Output Tray - (HL-L5210DN/HL-L5210DW/HL-L5215DN/HL-L6210DW) One sheet (face up delivery to the face up output tray) - (HL-L6410DN/HL-L6415DN) Up to 10 sheets (face up delivery to the face up output tray) - (HL-L6410DN/HL-L6415DN) One sheets (face up delivery to the face up output tray) - (HL-L6410DN/HL-L6415DN) One sheets (face up delivery to the face up output tray) - (HL-L6410DN/HL-L6415DN) One sheets (face up delivery to the face up output tray) - (HL-L6410DN/HL-L6415DN) One sheets (face up delivery to the face up output tray) - (HL-L6410DN/HL-L6415DN) One sheets (face up delivery to the face up output tray) - (HL-L6410DN/HL-L6415DN) One sheets (face up delivery to the face up output tray) - (HL-L6410DN/HL-L6415DN) One sheets (face up delivery to the face up output tray) - (HL-L6410DN/HL-L6415DN) One sheets (face up delivery to the face up output tray) - (HL-L6410DN/HL-L6415DN) One sheets (face up delivery to the face up output tray) - (HL-L6410DN/HL-L6415DN) One sheets (face up delivery to the face up output tray) - (HL-L6410DN/HL-L6415DN) One sheets (face up delivery to the face up output tray) - (HL-L6410DN/HL-L6415DN) One sheets (face up delivery to the face up output tray) - (HL-L6410DN/HL-L6415DN) One sheets (face up delivery to the face up output tray) - (HL-L6410DN/HL-L6415DN) One sheets (face up delivery to the face up output tray) - (HL-L6410DN/HL-L6415DN) One sheets (face up delivery to the face up output tray) - (HL-L6410DN/HL-L6415DN) One sheets (face up delivery to the face up output tray)				Up to 250 sheets of 80 g/m ² Plain Paper			
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delivery to the face-down output paper tray) (HL-L6410DN/HL-L6415DN) Up to 250 Sheets of 80 g/m² Plain Paper (face down delivery to the face down output paper tray) (HL-L5210DN/HL-L5215DN/HL-L5215DN/HL-L6210DW) One sheet (face up delivery to the face up output tray) (HL-L6410DN/HL-L6415DN) Up to 10 sheets (face up delivery to the face up output tray) (Optional) (HL-L6410DN/HL-L6415DN) (Optional) (HL-L6410DN/HL-L6415DN) 100 sheets x 4 bins of 80 g/m² 400 sheets x 2 bins of 80 g/m² 400 sheets x 2 bins of 80 g/m² Paper Type Plain Paper, Letterhead, Coloured Paper, Thin Paper, Recycled Paper Paper Size A4	•	Face Down Output Tra	ny				
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(Optional) 100 sheets x 4 bins of 80 g/m² 400 sheets x 2 bins of 80 g/m² 2-sided Automatic 2-sided Printing Paper Type Plain Paper, Letterhead, Coloured Paper, Thin Paper, Recycled Paper Paper Size A4				Up to 10 sheets (face up delivery to the face up output tray)			
400 sheets x 2 bins of 80 g/m² 2-sided Automatic 2-sided Printing Paper Type Plain Paper, Letterhead, Coloured Paper, Thin Paper, Recycled Paper Paper Size A4		Mailbox		(HL-L6410DN/HL-L6415DN)			
2-sided Automatic 2-sided Printing Paper Type Plain Paper, Letterhead, Coloured Paper, Thin Paper, Recycled Paper Paper Size A4		(Optional)		100 sheets x 4 bins of 80 g/m ²			
Printing Recycled Paper Paper Size A4				400 sheets x 2 bins of 80 g/m ²			
	2-sided		Paper Type				
Paper Weight 60 to 105 g/m ²		Paper Size		A4			
,			Paper Weight	60 to 105 g/m ²			

 $^{^{\}rm 1}$ $\,$ For paper of 105 g/m $^{\rm 2}$ and above, open the back cover to use the face up output tray.

² (HL-L5210DN/HL-L5215DN) Maximum number of Lower Trays: Up to two Lower Trays in any combination.

(HL-L6210DW/HL-L6410DN/HL-L6415DN) Maximum number of Lower Trays: Up to three LT-5505 Lower Trays or up to two Lower Trays in any combination.

3 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.

Printer Specifications

Automatic 2-s	sided Print	Yes		
Emulation		PCL6, BR-Script3, IBM Proprinter XL, Epson FX-850, PDF version1.7, XPS version 1.0		
Resolution		Up to 1200 x 1200 dpi		
Print Speed ¹	1-sided Print ^{2 3}	 (HL-L5210DN/HL-L5210DW/HL-L5215DN) Up to 50 pages/minute (Letter size) Up to 48 pages/minute (A4 size) (HL-L6210DW/HL-L6410DN/HL-L6415DN) Up to 52 pages/minute (Letter size) Up to 50 pages/minute (A4 size) 		
	2-sided Print	Up to 24 sides/minute (Up to 12 sheets/minute) (Letter size) Up to 24 sides/minute (Up to 12 sheets/minute) (A4 size)		
First Print Time ^{4 5 6}		Less than 6.7 seconds at 23°C		

- 1 The print speed may be slower when the machine is connected by wireless LAN.
- ² The print speeds of "1-sided Print" were measured in accordance with ISO/IEC 24734.
- 3 This speed is based on 1-sided printing. If your model's default print setting is "2-sided", change to "1-sided" for these results.
- 4 Printing from Ready mode and standard tray.
- 5 Length of time from when the machine is started until paper output is complete (except when the machine is turned on or when an error is fixed)
- ⁶ This applies when printing on A4- or Letter-size paper from the standard tray. It could be longer however, depending on the paper size and the amount of print data.

Interface Specifications

USB	Type: USB Type-B receptacle
	Version: USB 2.0 High-Speed ^{1 2}
	Use a USB 2.0 interface cable that is no more than 2 metres long.
	• (HL-L6410DN/HL-L6415DN)
	Type: USB Type-A receptacle ³
	Version: USB 2.0 High-Speed
	Connect a USB flash drive for USB Storage Print.
LAN	10Base-T/100Base-TX/1000Base-T ⁴
Wireless LAN	(HL-L5210DW/HL-L6210DW/HL-L6410DN/HL-L6415DN)
5	IEEE 802.11a/b/g/n (Infrastructure Mode)
	IEEE 802.11a/g/n (Wi-Fi Direct®)
NFC ⁶	(HL-L6410DN/HL-L6415DN)
	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 hub devices are not supported.
- 3 USB host port
- 4 Use a Category 5e (or greater) network cable.
- ⁵ (HL-L6410DN/HL-L6415DN) The wireless network connection can be used only when the optional Wireless Module is installed.
- 6 When you connect an external IC card reader, use a HID class driver supported device.

Supported Protocols and Security Features

Supported protocols and security features may differ depending the models.

Ethernet

10Base-T/100Base-TX/1000Base-T

Protocols (IPv4)

ARP, RARP, BOOTP, DHCP, APIPA (Auto IP), WINS/NetBIOS name resolution, DNS Resolver, mDNS, LLMNR responder, LPR/LPD, Custom Raw Port/Port9100, IPP/IPPS, FTP Server, TELNET Server, HTTP/HTTPS server, TFTP client and server, SMTP Client, SNMPv1/v2c/v3, ICMP, Web Services (Print), CIFS client, SNTP client, Syslog

Protocols (IPv6)

NDP, RA, DNS resolver, mDNS, LLMNR responder, LPR/LPD, Custom Raw Port/Port9100, IPP/IPPS, FTP Server, TELNET Server, HTTP/HTTPS server, TFTP client and server, SMTP Client, SNMPv1/v2c/v3, ICMPv6, Web Services (Print), CIFS Client, SNTP Client, Syslog

Network Security (Wired)

SMTP-AUTH, SSL/TLS (IPP, HTTP, SMTP), SNMP v3, 802.1x (EAP-MD5, EAP-FAST, PEAP, EAP-TLS, EAP-TLS), Kerberos, IPsec

Network Security (Wireless)

SMTP-AUTH, SSL/TLS (IPP, HTTP, SMTP), SNMP v3, 802.1x (EAP-FAST, PEAP, EAP-TLS, EAP-TTLS), Kerberos, IPsec

Wireless Network Security

WEP 64/128 bit, WPA-PSK (TKIP/AES), WPA2-PSK (TKIP/AES) (Wi-Fi Direct supports WPA2-PSK (AES) only), WPA3-SAE (AES)

Wireless Certification

Wi-Fi Certification Mark License (WPA3[™] - 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		Computer Interface			Proces	Hard Disk Space to Install ¹	
		USB ²	Wired LAN	Wireless ³	─ sor	For Drivers	For Applications (including Drivers)
Windows Operating System	Windows 10 Home / 10 Pro / 10 Education / 10 Enterprise	Printing		32 bit (x86) or 64 bit (x64) proces sor	50 MB	1.6 GB	
	Windows 11 Home / 11 Pro / 11 Education / 11 Enterprise				64 bit (x64) proces sor		
	Windows Server 2012	Printing			64 bit (x64)		50 MB
Windows Server 2012 R2					proces		

macOS v13 Chrome OS		Printing	N/A	N/A	N/A
Operating System ⁴	macOS v12		proces		
Mac	macOS v11	Printing	64 bit	N/A	500 MB
	Windows Server 2022				
	Windows Server 2019				
	Windows Server 2016				

- 1 An Internet connection is required to install the software if the installation disc is not supplied.
- ² Third party USB ports are not supported.
- ³ For certain models, the optional Wireless Module is required.
- 4 macOS Disclaimer AirPrint capable: Printing via macOS requires the use of AirPrint. Mac drivers are not provided for this machine.

For the latest driver updates, go to your model's **Downloads** page at <u>support.brother.com</u>. For the latest **Supported OS**, go to your model's Supported OS page at <u>support.brother.com/os</u>.

All trademarks, brand and product names are the property of their respective companies.



Related Information

• Appendix

■ Home > Appendix > Supplies

Supplies

When the time comes to replace supplies, such as the toner cartridge or drum unit, 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 or contact your local Brother dealer.



- The toner cartridge and drum unit are two separate parts.
- Supply product codes vary by country and region.

Supply	Supply Product Codes	Approximate Life (Page Yield)	Applicable Models
Toner Cartridge	Standard Toner: TN3600 (Except for Israel) TN3601 (For Israel)	Approximately 3,000 pages 12	HL-L5210DN/HL-L5210DW/ HL-L5215DN/HL-L6210DW/ HL-L6410DN/HL-L6415DN
	High Yield Toner: TN3600XL (Except for Israel) TN3601XL (For Israel)	Approximately 6,000 pages 12	HL-L5210DN/HL-L5210DW/ HL-L5215DN/HL-L6210DW/ HL-L6410DN/HL-L6415DN
	Super High Yield Toner: TN3600XXL (Except for Israel) TN3601XXL (For Israel)	Approximately 11,000 pages ^{1 2}	HL-L5210DN/HL-L5210DW/ HL-L5215DN/HL-L6210DW/ HL-L6410DN/HL-L6415DN
	Ultra High Yield Toner: TN3610 (Except for Israel) TN3611 (For Israel)	Approximately 18,000 pages ^{1 2}	HL-L6210DW/HL-L6410DN/ HL-L6415DN
	Maximum Yield Toner: TN3610XL (Except for Israel) TN3611XL (For Israel)	Approximately 25,000 pages ^{1 2}	HL-L6410DN/HL-L6415DN
	Inbox Toner: (Supplied with your machine)	Approximately 3,000 pages 12	HL-L5210DN/HL-L5210DW
		Approximately 6,000 pages 12	HL-L6210DW
		Approximately 11,000 pages ^{1 2}	HL-L5215DN/HL-L6410DN
		Approximately 25,000 pages ^{1 2}	HL-L6415DN
Drum Unit	DR3600 (Except for Israel) DR3601 (For Israel)	Approximately 75,000 pages ³	HL-L5210DN/HL-L5210DW/ HL-L5215DN/HL-L6210DW/ HL-L6410DN/HL-L6415DN

¹ A4 or Letter size single-sided pages

² The approximate cartridge yield is declared in accordance with ISO/IEC 19752.

Approximately 75,000 pages based on three pages per job and 45,000 pages based on one page per job (A4/Letter single-sided 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

▲ Home > Appendix > Environmental and Compliance Information

Environmental and Compliance Information

- Information Regarding Recycled Paper
- Availability of Service Parts
- Chemical Substances (EU REACH)

▲ Home > Appendix > Environmental and Compliance Information > Information Regarding Recycled Paper

Information Regarding Recycled Paper

- Recycled paper is of the same quality as paper made from original forest sources. Standards governing
 modern recycled paper ensure that it meets the highest quality requirements for different printing processes.
 The imaging equipment supplied by Brother is suitable for using with recycled paper meeting the EN
 12281:2002 standard.
- Purchasing recycled paper saves natural resources and promotes the circular economy. Paper is made using
 cellulose fibres from wood. Collecting and recycling paper extends the life of fibres over multiple life cycles,
 making the best use of the resources.
- The recycled paper production process is shorter. The fibres have already been processed, so less water and energy, and fewer chemicals are used.
- Paper recycling has the benefit of saving carbon by diverting paper products from alternative disposal routes such as landfill and incineration. Landfill waste emits methane gas, which has a powerful greenhouse effect.

Related Information

· Environmental and Compliance Information

▲ Home > Appendix > Environmental and Compliance Information > Availability of Service Parts

Availability of Service Parts

Brother warrants that service parts will be available for at least seven years after the last date we place models on the market.

To obtain service parts, contact your Brother supplier or dealer.



Related Information

• Environmental and Compliance Information

▲ Home > Appendix > Environmental and Compliance Information > Chemical Substances (EU REACH)

Chemical Substances (EU REACH)

Information concerning chemical substances within our products required for the REACH Regulation can be found at https://www.brother.eu/reach.



Related Information

• Environmental and Compliance Information

■ 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 or contact your Brother dealer or Brother customer service.

Product Codes	Items	Applicable Models
LT-5505	Lower Tray (250 sheets)	• HL-L5210DN/HL-L5210DW/HL-L5215DN ¹
		• HL-L6210DW/HL-L6410DN/HL-L6415DN ²
LT-6505	Lower Tray (520 sheets)	• HL-L5210DN/HL-L5210DW/HL-L5215DN ¹
		• HL-L6210DW/HL-L6410DN/HL-L6415DN ²
MX-4000	Mailbox	HL-L6410DN/HL-L6415DN
SF-4000	Stapler Finisher	HL-L6410DN/HL-L6415DN
(Available only for certain countries)		
TT-4000	Tower Tray ³	HL-L6410DN/HL-L6415DN
CH-1000	Card Reader Holder	HL-L6410DN/HL-L6415DN
NC-9110W	Wireless Module	HL-L6410DN/HL-L6415DN
(Available only for certain countries)		

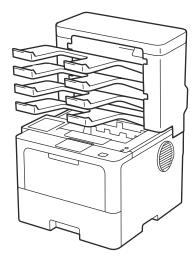
- 1 Maximum number of Lower Trays: Up to two Lower Trays in any combination.
- ² Maximum number of Lower Trays: Up to three LT-5505 Lower Trays or up to two Lower Trays in any combination.
- 3 Available only when the Lower Tray Unit is not installed to the machine.

Related Information

- Appendix
 - The Mailbox Unit

The Mailbox Unit

Related Models: HL-L6410DN/HL-L6415DN



The optional Mailbox (MX) unit gives you increased control over your machine's print output. You can assign the unit's four output bins to specific users, organise specific print jobs more efficiently, and extend the machine's printout capacity.

Use the Mailbox unit as a:

- Mailbox: Assign each bin to a specific user or group, and send print jobs directly to each recipient's bin.
- Stacker: When printing large documents, use the bins to increase your machine's output tray capacity. When the machine's output tray is full, the machine ejects the pages into the Mailbox bins.

To increase the machine's output capacity to a maximum of 1,050 sheets (including the standard output tray), remove bins 2 and 4.

Sorter: When printing multiple copies, set the printer driver to eject each copy into a different bin.

Set your preferences for Stacker (**MX Stacker**) and Sorter (**MX Sorter**) in your printer driver or on your machine's LCD.



For information regarding settings from your machine, see Related Information.

To set MX Stacker or MX Sorter in your printer driver (for Windows)

In your printer driver, click the **Advanced** tab, click the **Output Tray** drop-down menu, and select either **MX Stacker** or **MX Sorter**. Click **OK**.

To set MX Stacker or MX Sorter in your printer driver (for Mac)

In your printer driver, select **Print Settings**, click the **Output Tray** pop-up menu, and select either **MX Stacker** or **MX Sorter**.



For more information on printer driver settings, see Related Information.

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Related Information

- Accessories
 - Set MX Stacker or MX Sorter Using the Machine's LCD
 - · Use Standard Tray When Full
 - Set the Mailbox Continue Feature
 - Assign a Mailbox Bin to a User or Group

Related Topics:

• Print Settings (Windows)

■ Home > Appendix > Accessories > The Mailbox Unit > Set MX Stacker or MX Sorter Using the Machine's LCD

Set MX Stacker or MX Sorter Using the Machine's LCD

Related Models: HL-L6410DN/HL-L6415DN

When you use the Mailbox unit, set your preferences for Stacker and Sorter from the machine's LCD.

Press [Settings] > [All Settings] > [General Setup] > [Tray Setting] > [Output Tray] > [MX Stacker] or [MX Sorter].

1

Related Information

The Mailbox Unit

▲ Home > Appendix > Accessories > The Mailbox Unit > Use Standard Tray When Full

Use Standard Tray When Full

Related Models: HL-L6410DN/HL-L6415DN

The **Use Std. Tray when full** feature allows a large print job to continue printing, even if the Mailbox bins are full. If you select this option in your printer driver, the machine continues the print job, ejecting the remaining pages onto the machine's main output tray when the Mailbox bins are full.



This setting's name is for Windows and may vary for Mac depending on your country.



Related Information

The Mailbox Unit

▲ Home > Appendix > Accessories > The Mailbox Unit > Set the Mailbox Continue Feature

Set the Mailbox Continue Feature

Related Models: HL-L6410DN/HL-L6415DN

If a print job stopped because all the bins are full, the MX (Mailbox) Continue feature allows the machine to resume the print job after you remove the printed pages from any of the printout locations.

Setting	Description
On	Your machine resumes the print job using the first empty output tray or Mailbox bin.
Off	You must remove the printed pages from the output tray and all Mailbox bins to resume the print job.

By default, MX Continue is off. To turn on MX Continue:

Press [Settings] > [All Settings] > [General Setup] > [Tray Setting] > [MX Continue] >
[On].

Related Information

The Mailbox Unit

▲ Home > Appendix > Accessories > The Mailbox Unit > Assign a Mailbox Bin to a User or Group

Assign a Mailbox Bin to a User or Group

Related Models: HL-L6410DN/HL-L6415DN

To organise print jobs by sending them to a specific recipient, assign each Mailbox bin to an individual or to a group.



- This feature is available only when Secure Function Lock 3.0 is on.
- Make sure you select Auto Detect (default setting) from Output Tray in the printer driver when you send the print job.
- This setting's name is for Windows and may vary for Mac depending on your country.

Anyone using your Brother machine can send a print job to a specific bin but the administrator must assign the bins to users or groups first.

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

For example:

https://192.168.1.2

3. If required, type the password in the **Login** field, and then click **Login**.



The default password to manage this machine's settings is located on the back of the machine and marked "**Pwd**".

4. Go to the navigation menu, and then click **Administrator** > **User Restriction Function** or **Restriction Management**.



Start from =, if the navigation menu is not shown on the left side of the screen.

- 5. Select Secure Function Lock.
- 6. Click Submit.
- 7. Click the **Restricted Functions** menu.
- 8. In the **User List / Restricted Functions** field, type a group name or user name.
- 9. Click the Output drop-down list, and then select the output tray for each user.
- 10. Click Submit.
- 11. Go to the navigation menu, and then click **Print** > **Tray**.
- 12. Click the Output drop-down list, and then select SFL setting.
- 13. Click Submit.



Related Information

· The Mailbox Unit

■ Home > Appendix > Brother Help and Customer Support

Brother Help and Customer Support

If you need help with using your Brother product, visit <u>support.brother.com</u> for FAQs and troubleshooting tips. You can also download the latest software, drivers and firmware, to improve the performance of your machine, and user documentation, to learn how to get the most from your Brother product.

Further product and support information is available from your local Brother office website. Visit www.brother.com to find the contact details for your local Brother office and to register your new product.



Related Information

Appendix

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