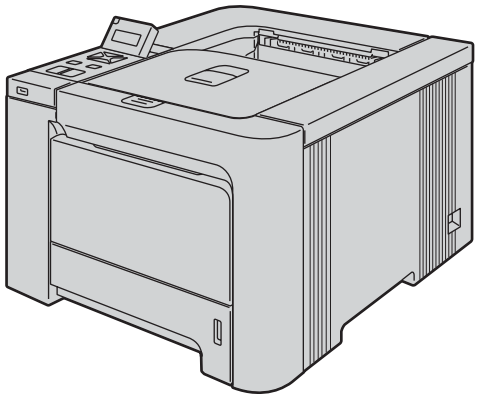
Quick Setup Guide

Laser Printer

HL-4070CDW



Before you can use the printer, you must set up the hardware and install the driver. Please read this 'Quick Setup Guide' for proper set up and installation instructions.

STEP 1

Setting Up the Machine

STEP 2

Installing the Printer Driver

Setup is Complete!

How to use the printer, see the User's Guide in the CD-ROM.

Keep this 'Quick Setup Guide' and the supplied CD-ROM in a convenient place for quick and easy reference at all times.

Version 1

Symbols used in this guide

Warning	Electrical Hazard	Hot Surface	Caution
Warnings tell you what to do to prevent possible personal injury.	Electrical Hazard icons alert you to a possible electrical shock.	Hot Surface icons warn you not to touch machine parts that are hot.	Cautions specify procedures you must follow or avoid to prevent possible damage to the printer or other objects.

Improper Setup	Note	User's Guide Network User's Guide
Improper Setup icons alert you to devices and operations that are not compatible with the printer.	Notes tell you how you should respond to a situation that may arise or give tips about how the current operation works with other features.	Indicates reference to the User's Guide or Network User's Guide which is on the CD-ROM we have supplied.

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STEP 2—Installing the Printer Driver

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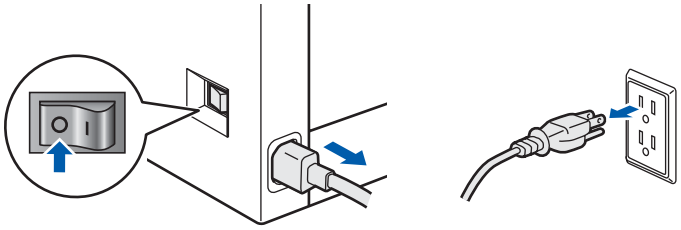
Chapter 7 of the User's Guide on the CD-ROM

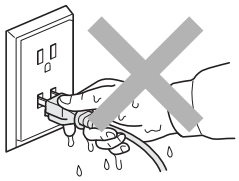
To Use the Printer Safely

Warning

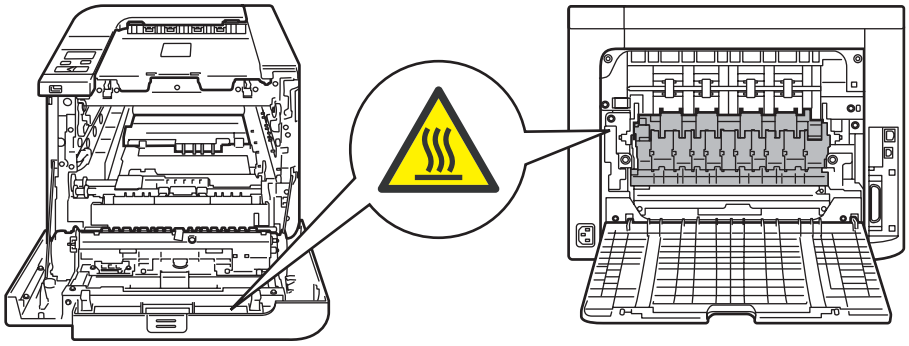
There are high voltage electrodes inside the printer. Before you clean the inside of the printer, make sure that you have turned off the power switch and unplugged the printer from the AC power outlet.



DO NOT handle the plug with wet hands. Doing this might cause an electrical shock.



The fuser unit becomes extremely hot during operation. Wait until it has cooled down sufficiently before replacing consumable items. DO NOT remove or damage the caution labels located on or around the fuser.



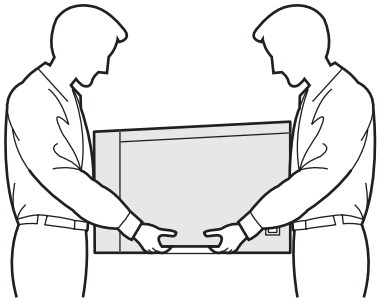
DO NOT use flammable substances or any type of spray to clean the inside or outside of the machine. Doing this may cause a fire or electrical shock. Refer to the User's Guide for how to clean the machine.

DO NOT use a vacuum cleaner to clean up scattered toner. Doing this might cause the toner dust to ignite inside the vacuum cleaner, potentially starting a fire. Please carefully clean the toner dust with a dry, lint-free cloth and dispose of it according to local regulations.

If the printer becomes hot, blows smoke, or generates obscure odor, immediately turn off the power switch and unplug the printer from the AC power outlet. Call your Brother dealer or Brother Customer Service.

If metal objects, water or other liquids get inside the printer, immediately turn off the power switch and unplug the printer from the AC power outlet. Call your Brother dealer or Brother Customer Service.

This printer is heavy and weighs approximately 64.2 lb. (29.1 kg). To prevent injuries use at least two people to lift the printer. Be careful not to pinch your fingers when you put the printer back down.



Regulations

Federal Communications Commission (FCC) Declaration of Conformity (For USA)

Responsible Party:	Brother International Corporation 100 Somerset Corporate Boulevard P.O. Box 6911 Bridgewater, NJ 08807-0911 USA Telephone: (908) 704-1700

declares, that the products

Product name:	Laser Printer HL-4070CDW
Model number:	HL-40C
Product option:	Lower Tray Unit LT-100CL

comply with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Important
A shielded interface cable should be used in order to ensure compliance with the limits for a Class B digital device.
Changes or modifications not expressly approved by Brother Industries, Ltd. could void the user's authority to operate the equipment.

Industry Canada Compliance Statement (For Canada
This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Radio interference (220-240 volt model only)
This printer follows EN55022 (CISPR Publication 22)/Class B.
Before you use this product, make sure that you use one of the following interface cables.

1 A shielded parallel interface cable with twisted-pair conductors and that it is marked “IEEE 1284 compliant”.
2 A USB cable.

The cable must not be more than 2 meters long.

EC Declaration of Conformity

brother

EC Declaration of Conformity

Manufacturer
Brother Industries Ltd.,
15-1, Naeshiro-cho, Mizuho-ku, Nagoya 467-8561, Japan

Plant
Brother Technology (Shenzhen) Ltd.,
NO6 Gold Garden Ind. Nanling Buji, Longgang, Shenzhen, China

Herewith declare that:
Products description : Laser Printer
Product Name : HL-4070CDW
Model Number : HL-40C

is in conformity with provisions of the R & TTE Directive (1999/5/EC) and we declare compliance with the following standards :

Harmonized standards applied :

Safety EN60950-1:2001+A11: 2004

EMC EN55022: 1998 +A1: 2000 +A2: 2003 Class B
EN55024: 1998 +A1: 2001 +A2: 2003
EN61000-3-2: 2000
EN61000-3-3: 1995 +A1: 2001

Radio EN301 489-1 V1.6.1
EN301 489-17 V1.2.1
EN300 328 V1.6.1

Year in which CE marking was first affixed : 2006

Issued by : Brother Industries, Ltd.

Date : 1st October, 2006

Place : Nagoya, Japan

Signature :

Junji Shiota
General Manager
Quality Management Dept.
Printing & Solutions Company

Laser Safety (110 to 120 volt Model Only)

This printer is certified as a Class 1 laser product as defined in IEC 60825-1+A2: 2001 specifications under the U.S. Department of Health and Human Services (DHHS) Radiation Performance Standard according to the Radiation Control for Health and Safety Act of 1968. This means that the printer does not produce hazardous laser radiation.
Since radiation emitted inside the printer is completely confined within protective housings and external covers, the laser beam cannot escape from the machine during any phase of user operation.

FDA Regulations (110 to 120 volt Model Only)

The U.S. Food and Drug Administration (FDA) has implemented regulations for laser products manufactured on and after August 2, 1976. Compliance is mandatory for products marketed in the United States. The following label on the back of the printer indicates compliance with the FDA regulations and must be attached to laser products marketed in the United States.

MANUFACTURED:
Brother Technology (Shenzhen) Ltd.
NO6 Gold Garden Ind., Nanling Buji, Longgang, Shenzhen, China
This product complies with FDA performance standards for laser products except for deviations pursuant to Laser Notice No.50, dated July 26, 2001.

Caution
Use of controls, adjustments or performance of procedures other than those specified in this manual may result in hazardous invisible radiation exposure.

IEC 60825-1 specification (220 to 240 volt model only)
This printer is a Class 1 laser product as defined in IEC 60825-1+A2: 2001 specifications. The label shown below is attached in countries where it is needed.

This printer has a Class 3B laser diode which produces invisible laser radiation in the laser unit. You should not open the laser unit under any circumstances.

Caution
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

For Finland and Sweden
LUOKAN 1 LASERLAITE
KLASS 1 LASER APPARAT

Varoitus!
Laitteen käyttäminen muulla kuin tässä käyttöohjeessa mainitulla tavalla saattaa altistaa käyttäjän turvallisuusluokan 1 ylittävälle näkymättömälle lasersäteilylle.

Varning
Om apparaten används på annat sätt än i denna Bruksanvisning specificerats, kan användaren utsättas för osynlig laserstrålning, som överskrider gränsen för laserklass 1.

Internal laser radiation

Maximum radiation power:	25 mW
Wave length:	780 - 800 nm
Laser class:	Class 3B

IMPORTANT - For Your Safety
To ensure safe operation, the supplied three-pin plug must be inserted only into a standard three-pin power outlet that is properly grounded through the normal household wiring.
Extension cords used with this printer must be three-pin plug type and correctly wired to provide proper grounding. Incorrectly wired extension cords may cause personal injury and equipment damage.

The fact that the equipment operates satisfactorily does not imply that the power is grounded and that the installation is completely safe. For your safety, if in any doubt about the effective grounding of the power, call a qualified electrician.
This product should be connected to an AC power source within the range indicated on the rating label. DO NOT connect it to a DC power source. If you are not sure, contact a qualified electrician.

Maschinenlärminformations- Verordnung 3. GPSGV (For Germany only)
Der höchste Schalldruckpegel beträgt 70 dB(A) oder weniger gemäß EN ISO 7779.

Disconnect device
You must install this printer near a power outlet that is easily accessible. In case of an emergency, you must disconnect the power cord from the power outlet to shut off the power completely.

Caution for LAN connection
Connect this product to a LAN connection that is not subjected to over voltages.

IT power system (For Norway only)
This product is also designed for an IT power system with phase-to-phase voltage 230V.

Wiring information (for UK)
Important
If you need to replace the plug fuse, fit a fuse that is approved by ASTA to BS1362 with the same rating as the original fuse.
Always replace the fuse cover. Never use a plug that does not have a cover.

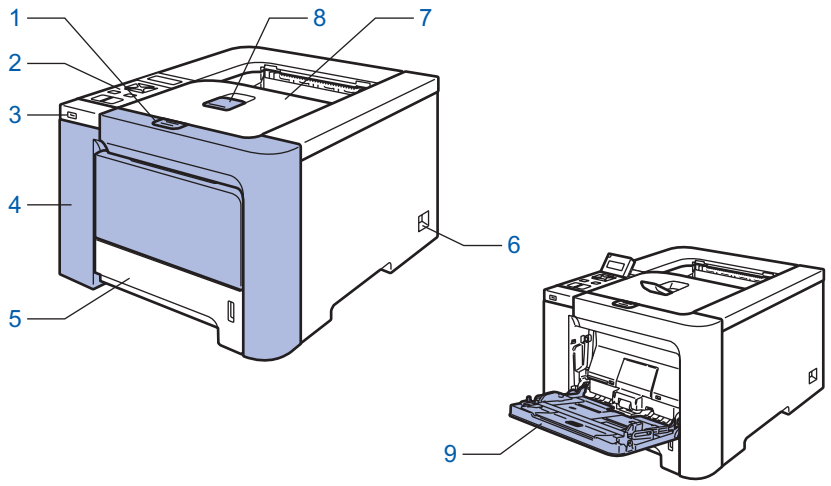
Warning - This printer must be earthed.
The wires in the mains lead are coloured in line with the following code:

Green and Yellow:	Earth
Blue:	Neutral
Brown:	Live

If in any doubt, call a qualified electrician.

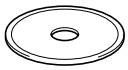
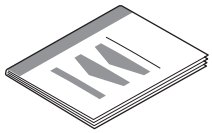
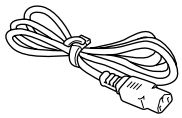
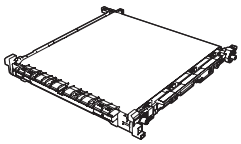
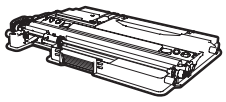
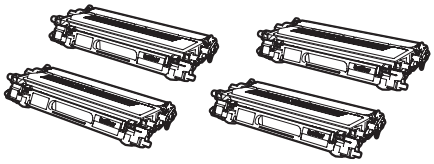
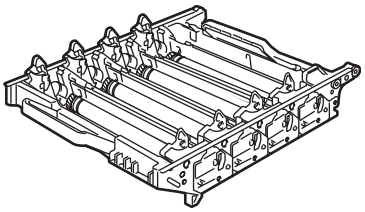
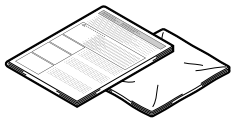
What is in the box?

Carton components may vary from one country to another.
Save all packing materials and the printer carton in case for any reason you must ship your printer.



1 Front cover release button
2 Control panel [1]
3 USB direct interface
4 Front cover
5 Paper tray
6 Power switch
7 Face-down output tray
8 Face-down output tray support flap (Support flap)
9 Multi -purpose tray (MP tray)

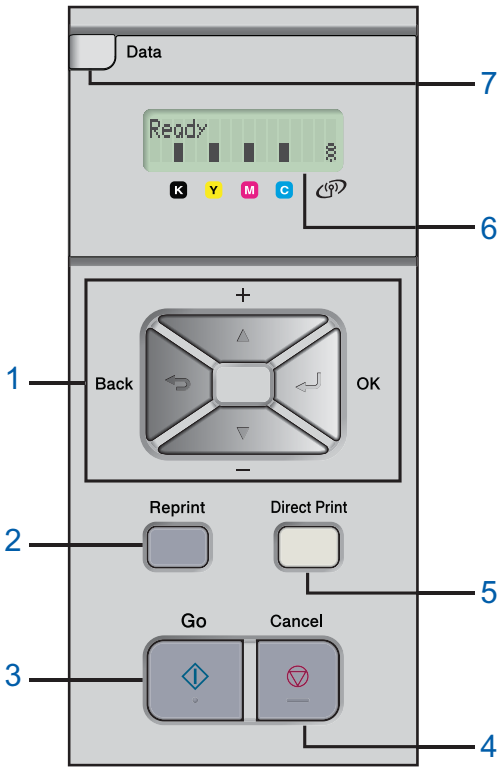
[1] You can adjust the angle of the LCD display by tilting it up or down.

 **CD-ROM** (including User's Guide)	 **Quick Setup Guide**	 **AC power cord**	 **Belt unit** (pre-installed)	 **Waste toner box** (pre-installed)
 **Toner cartridges** (Black, Cyan, Magenta and Yellow)		 **Drum unit** (pre-installed)		 **Insertion sheet and Plastic bag for repacking**

The interface cable is not a standard accessory. Buy the appropriate cable for the interface you are going to use.

- USB cable
  Do not use a USB interface cable that is longer than 6 feet (2.0 meters).
  Do not connect the USB cable to a non-powered hub or a Macintosh® keyboard.
  Make sure that you connect it to the USB connector of your computer.
- Parallel cable
  Do not use a parallel interface cable that is longer than 6 feet (2.0 meters).
  Use a shielded interface cable that is IEEE 1284-compliant.
- Network cable
  Use a straight-through Category5 (or greater) twisted-pair cable for 10BASE-T or 100BASE-TX Fast Ethernet Network.

Control panel



1 **Menu buttons**
- **+**
  Scroll backward through menus and the available options.
- **-**
  Scroll forward through menus and the available options.
- **OK**
  Choose the control panel menu.
  Select the chosen menus and settings.
- **Back**
  Go back one level in the menu structure.

2 **Reprint button**
Choose the reprint menu.

3 **Go button**
Clear error messages.
Pause and continue printing.

4 **Cancel button**
Stop and cancel the print operation in progress.
Exit from a menu (control panel menu, reprint menu or Direct Print menu)

5 **Direct Print LED**: Blue
- On
  USB flash memory is inserted into the USB direct interface.
- Off
  USB flash memory is not inserted into the USB direct interface.

Direct Print button
Switch to Direct Print mode when USB flash memory is inserted into the USB direct interface.

6 **LCD back light**
- Off
  The printer is off or in sleep status.
- Green (General)
  Ready to print / Printing / Warming up
- Red (Error)
  There is a problem with the printer.
- Orange (Setting)
  Choose a menu (control panel menu, reprint menu or Direct Print menu) or Pause

LCD messages
The message on the LCD shows the current printer status during normal operation.
The ■ marks indicate the status of the toner in the toner cartridges. When the ■ mark blinks (□), the indicated toner is nearly empty. When toner becomes empty, the ■ indicator disappears completely.

The mark indicates the wireless signal strength with four levels. (means no signal, means weak, means middle, and means strong.)

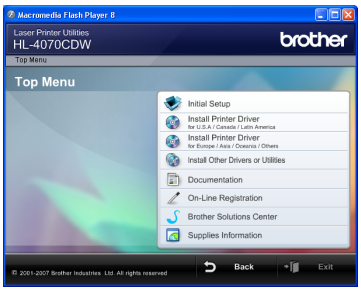
7 **Data LED**: Yellow
- On
  Data is in the printer memory.
- Blinking
  Receiving / processing data
- Off
  No remaining data in the memory.

For the control panel details, see Chapter 4 of the User's Guide on the CD-ROM.

Supplied CD-ROM

You can find a variety of information on the CD-ROM.

Windows®



Initial Setup
Instructional movie for printer setup.

Install Printer Driver
Install the printer driver.

Install Other Drivers or Utilities
Install optional drivers, utilities and Network management tools.

Documentation
View the Printer User's Guide and Network User's Guide in HTML format.
You can also view the manuals in PDF format by accessing the Brother Solutions Center.
The User's Guide and Network User's Guide in HTML format will be installed automatically when you install the driver. Click the **Start** button, **All Programs** [1], your printer (Brother HL-4070CDW), and then User's Guide. If you do not want to install the User's Guide, choose **Custom setup** from **Install Printer Driver**, and uncheck **User's Guides in HTML format** when you install the driver.

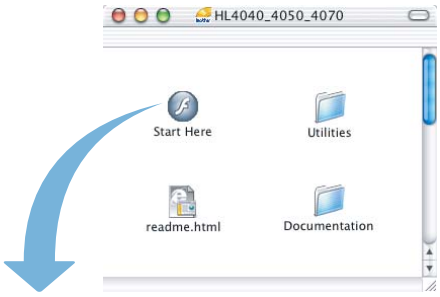
[1] **Programs** for Windows® 2000 users

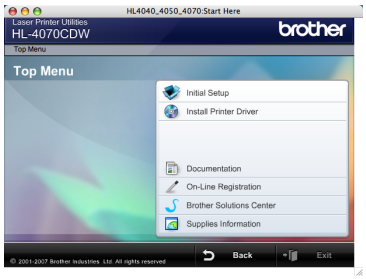
On-Line Registration
Register your product on-line.

Brother Solutions Center
The Brother Solutions Center (http://solutions.brother.com) is a one-stop resource for all your printer support needs. Download the latest drivers and utilities for your printers, read FAQs and troubleshooting tips, or learn about printer solutions.

Supplies Information
Visit our web site for original/genuine Brother supplies at http://www.brother.com/original/

Macintosh®





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On-Line Registration
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Brother Solutions Center
The Brother Solutions Center (http://solutions.brother.com) is a one-stop resource for all your printer support needs. Download the latest drivers and utilities for your printers, read FAQs and troubleshooting tips, or learn about printer solutions.

Supplies Information
Visit our web site for original/genuine Brother supplies at http://www.brother.com/original/

Note

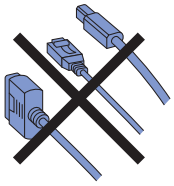
For visually impaired users, we have prepared an HTML file on the supplied CD-ROM: readme.html. This file can be read by Screen Reader 'text-to-speech' software.

1 Put the CD-ROM into the CD-ROM drive

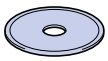
For Windows® users

Improper Setup

DO NOT connect the interface cable. Connecting the interface cable is done when installing the driver.

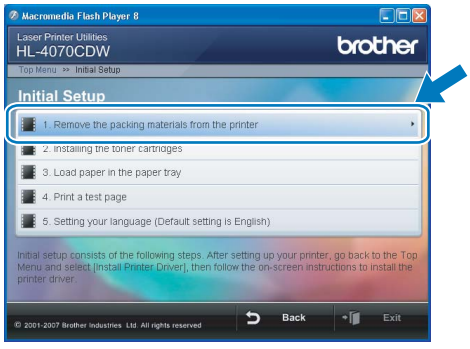


1 Turn on your computer. (You must be logged on with Administrator rights.) Put the supplied CD-ROM into your CD-ROM drive. The opening screen will appear automatically. Choose your printer model and the language.



2 Click **Initial Setup** on the menu screen.

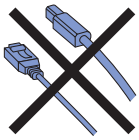
3 You can view the initial setup instructions and follow along with the steps on the next page.



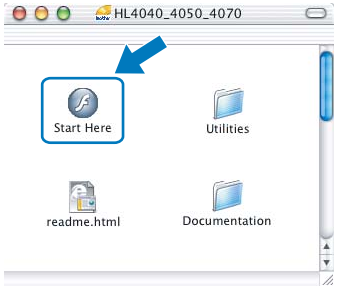
For Macintosh® users

Improper Setup

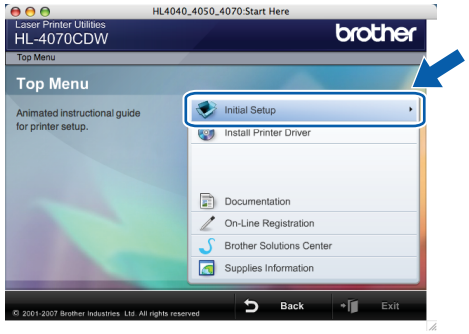
DO NOT connect the interface cable. Connecting the interface cable is done when installing the driver.



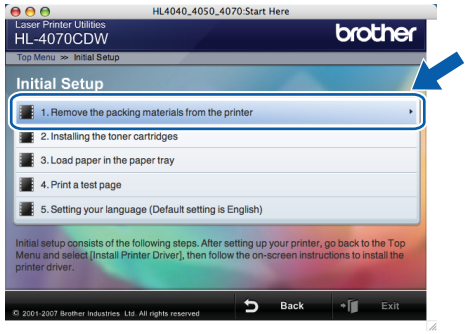
1 Turn on your Macintosh®. Put the supplied CD-ROM into your CD-ROM drive, and then double-click the **HL4040_4050_4070** icon on your desktop. Double-click the **Start Here** icon. Follow the on-screen instructions.



2 Click **Initial Setup** on the menu screen.



3 You can view the initial setup instructions and follow along with the steps on the next page.



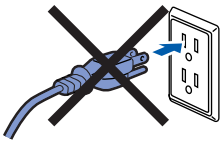
2 Removing the packing materials from the printer

Important

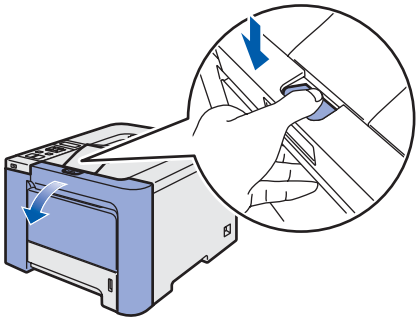
Save all packing material and the carton in case you have to ship your machine.

Improper Setup

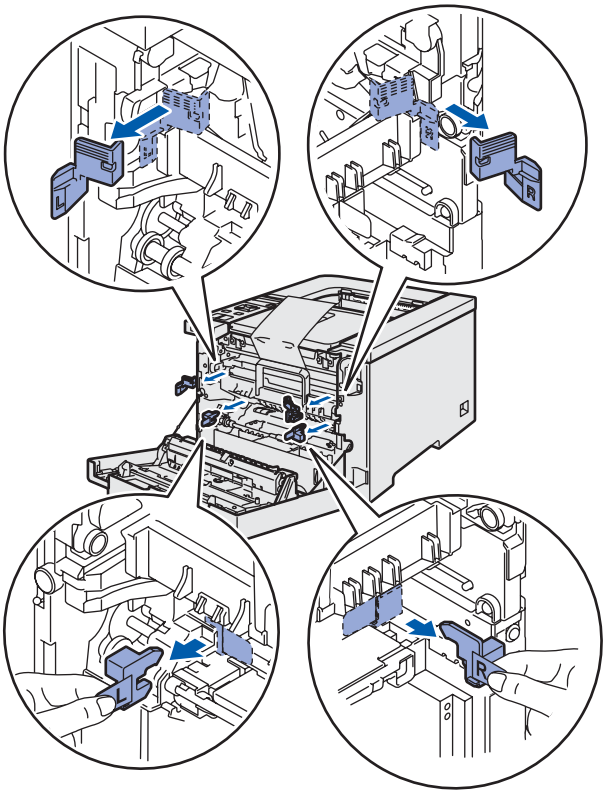
DO NOT plug in the AC power cord yet.



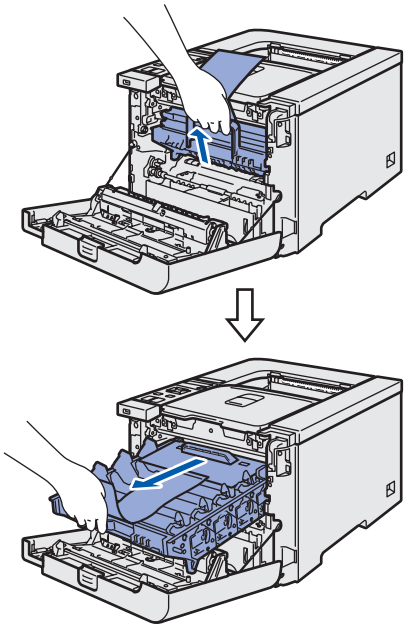
1 Press the front cover release button and open the front cover.



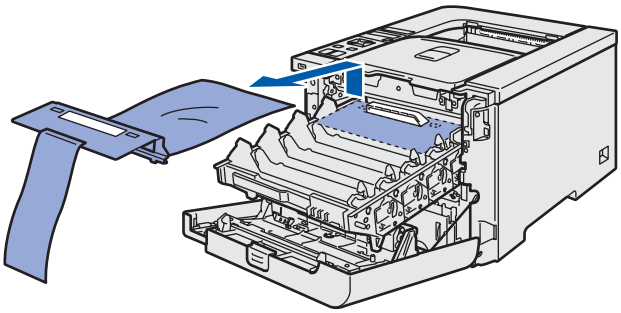
2 Remove the 4 pieces of orange packing material as shown in the illustration below.



3 Hold the green handle of the drum unit. Lift the drum unit up and then pull it out until it stops.

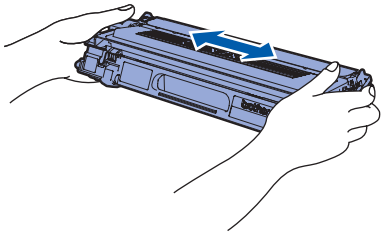


4 Remove the orange packing material as shown in the illustration below.

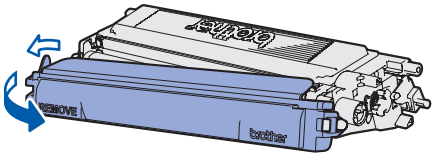


3 Installing the toner cartridges

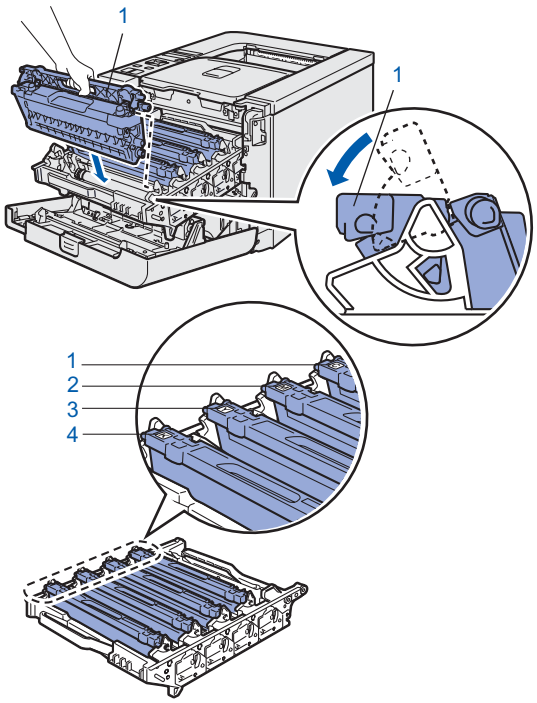
1 Unpack the toner cartridges and rock each toner cartridge 5 to 6 times.



2 Remove the protective cover.



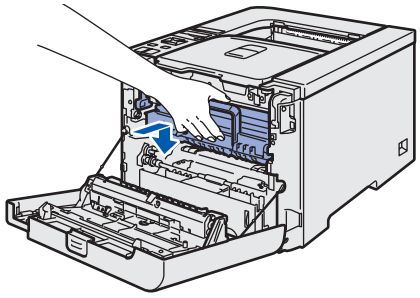
3 Hold the handle of the toner cartridge and slide it into the drum unit. Make sure that you match the toner cartridge color to the same color label on the drum unit, and make sure that you fold down the toner cartridge handle (1) once the toner cartridge is in place.



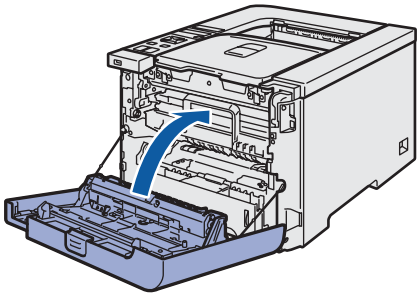
1 **C** — Cyan
2 **M** — Magenta
3 **Y** — Yellow
4 **K** — Black

4 Repeat steps **1** through **3** for the remaining toner cartridges.

5 Put the drum unit back into the printer.

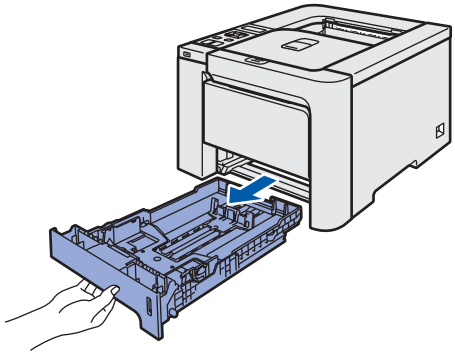


6 Close the front cover of the printer.

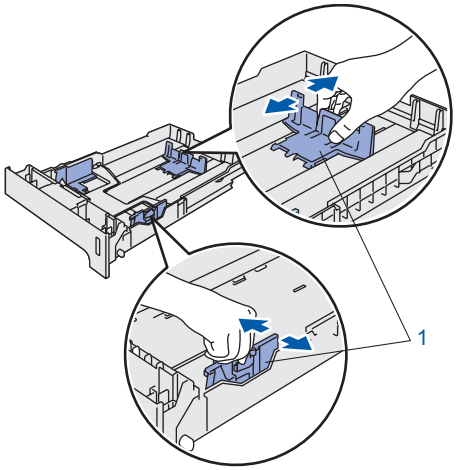


4 Loading paper in the paper tray

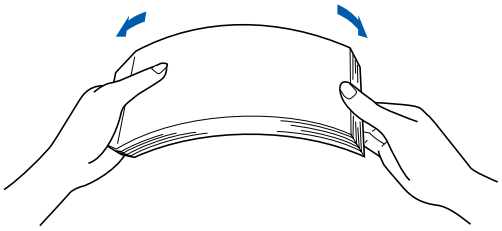
1 Pull the paper tray completely out of the printer.



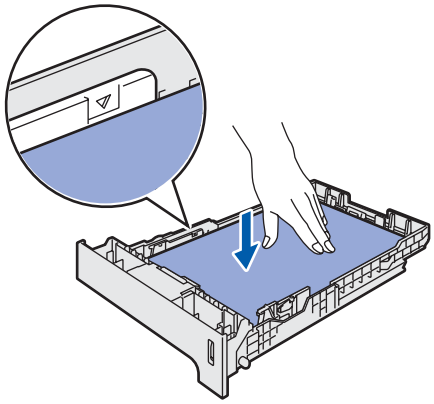
2 While pressing the green paper-guide release lever (1), slide the paper guides to fit the paper size. Make sure that the guides are firmly in the slots.



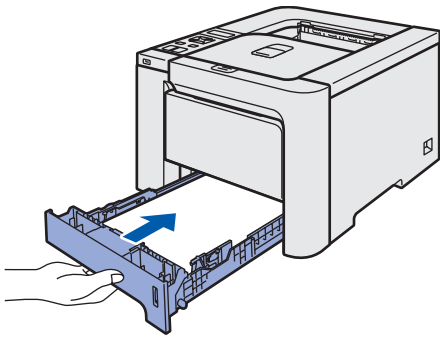
3 Fan the stack of paper well to avoid paper jams and misfeeds.



4 Put paper in the paper tray. Make sure that the paper is flat in the tray and below the maximum paper mark.



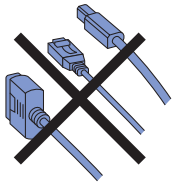
5 Put the paper tray firmly back into the printer. Make sure that it is completely inserted into the printer.



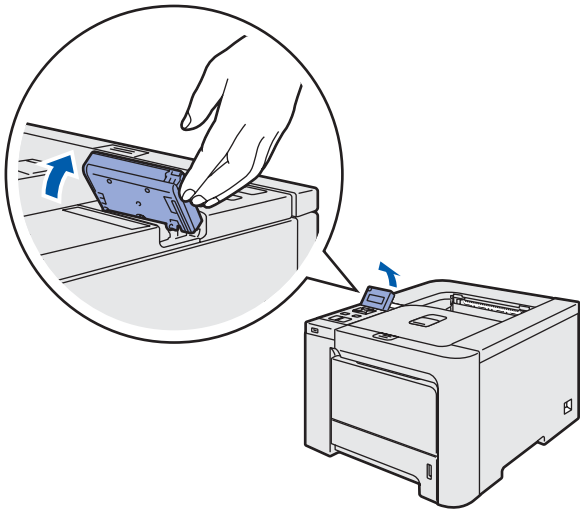
5 Printing a test page

Improper Setup

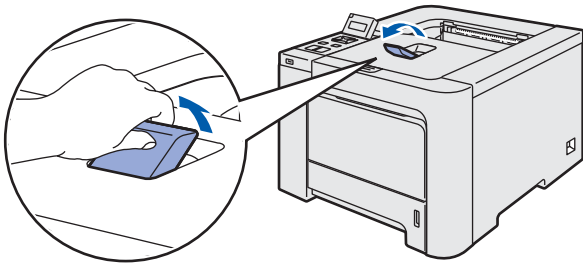
DO NOT connect the interface cable yet.



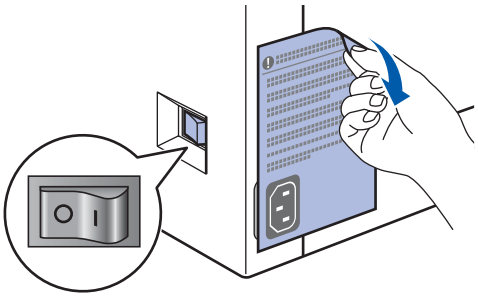
1 Lift the LCD display and adjust it for the best viewing angle.



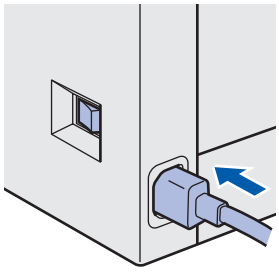
2 Unfold the support flap.



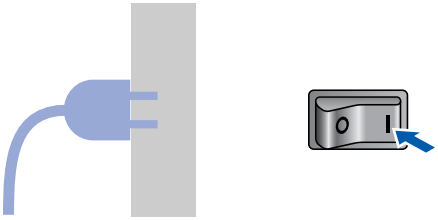
3 Make sure that the printer power switch is off. Remove the label covering the AC power inlet.



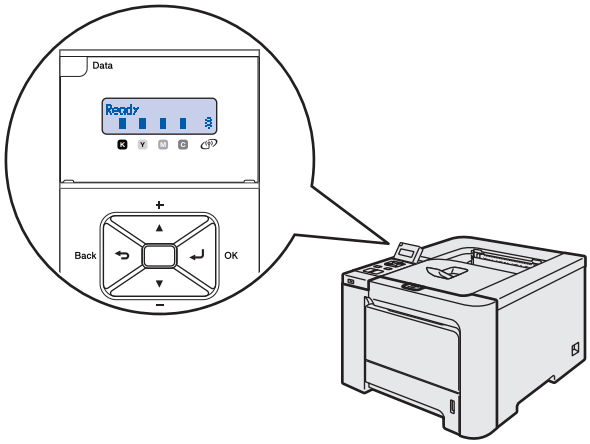
4 Connect the AC power cord to the printer.



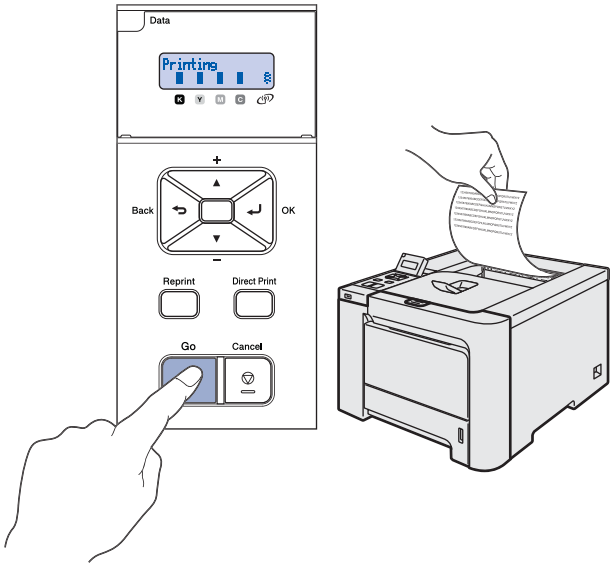
5 Plug the AC power cord into an AC power outlet. Turn on the printer power switch.



6 After the printer has finished warming up, the LCD shows `Ready`.



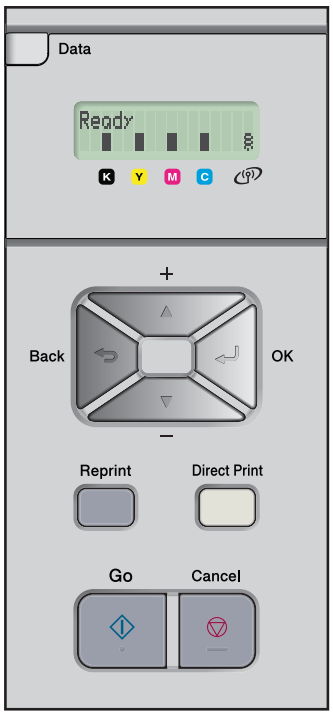
7 Press **Go**. The printer prints a test page. Check that the test page has printed correctly.



Note

- *If you press **Reprint**, the printer prints a duplex test page.*
- *This function will not be available after the first print job you send from your computer.*

6 Setting your language on the control panel



1 Press the **+** or **–** button until the LCD shows `General Setup`.
Press **OK**.

```
Select ▲▼ or OK
General Setup
```

2 Press **OK** again.

```
General Setup
Local Language
```

3 Press the **+** or **–** button to choose your language. Press **OK** to accept.

```
Local Language
English
```

STEP 2 Installing the Printer Driver

Follow the instructions on this page for your operating system and interface.
For the latest drivers, documentation, and to find the best solution for your problem, access the Brother Solution Center directly from the CD-ROM / Driver or visit http://solutions.brother.com.

Windows®

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For parallel interface cable users 18

For wired network interface cable users 20

For wireless network users 24

Macintosh®

For USB interface cable users 39

For wired network interface cable users 41

For wireless network users 43

The screens for Windows® in this Quick Setup Guide are based on Windows® XP.
The screens for Mac OS® X in this Quick Setup Guide are based on Mac OS® X 10.4.

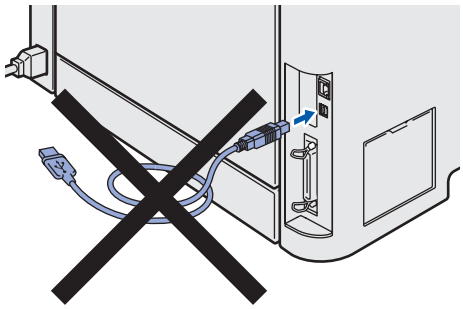
For USB interface cable users

Note

*If the **Found New Hardware Wizard** appears on your computer, click **Cancel**.*

Installing the driver and connecting the printer to your computer

1 Make sure the USB interface cable is **NOT** connected to the printer, and then begin installing the driver. If you have already connected the cable, remove it.



2 Click **Install Printer Driver** on the menu screen.

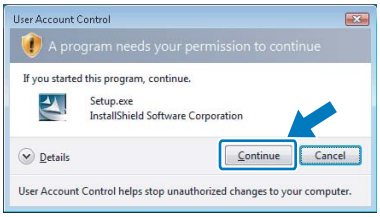
Note

*Choose the **Install Printer Driver** icon for your region.*

3 Click **USB cable users**.

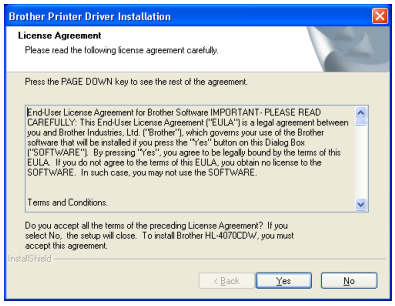
Note

- *For Windows Vista™, when the User Account Control screen appears, click **Continue**.*

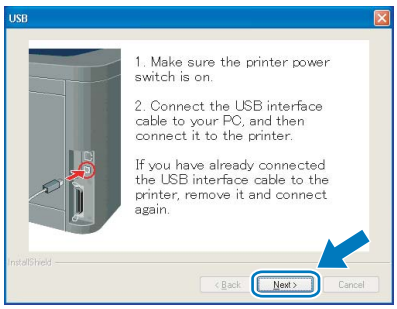


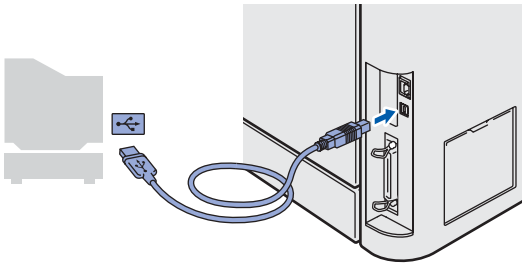
- *If you want to install the PS driver (Brother's BR-Script Driver), choose **Custom setup** and then follow the on-screen instructions. When the **Select Components** screen appears, check **PS(PostScript Emulation) Driver**, and then continue following the on-screen instructions.*

4 When the License Agreement window appears, click **Yes** if you agree to the License Agreement.

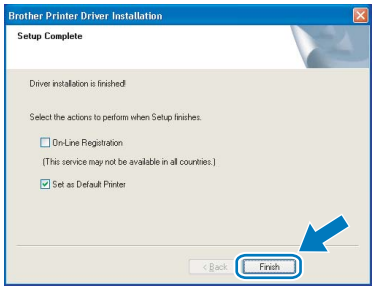


5 When this screen appears, make sure the printer power switch is on.
Connect the USB interface cable to your computer, and then connect it to the printer.
Click **Next**.





6 Click **Finish**.



Note

- *If you want to register your product on-line, check **On-Line Registration**.*
- *If you do not want to set your printer as Default printer, uncheck Set as Default Printer.*

Setup is now complete.

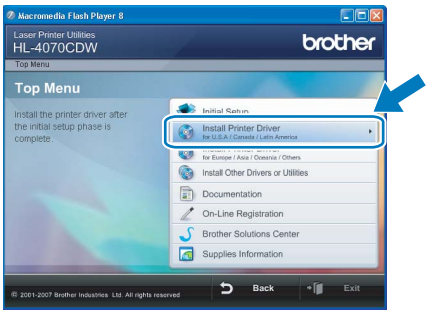
For parallel interface cable users

Note

*If the **Found New Hardware Wizard** appears on your computer, click **Cancel**.*

Installing the driver and connecting the printer to your computer

1 Click **Install Printer Driver** on the menu screen.



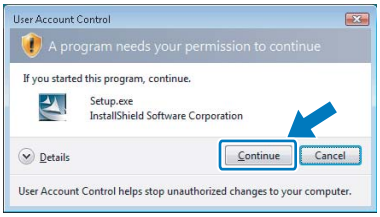
Note

*Choose the **Install Printer Driver** icon for your region.*

2 Click **Parallel cable users**.

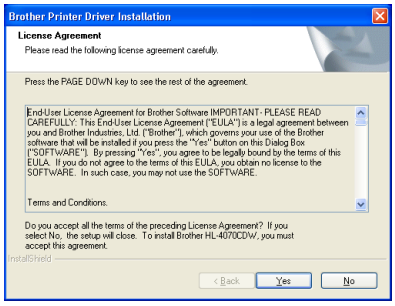
Note

- *For Windows Vista™, when the User Account Control screen appears, click **Continue**.*

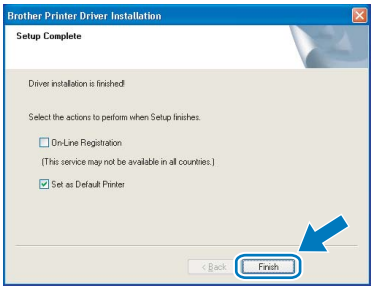


- *If you want to install the PS driver (Brother's BR-Script Driver), choose **Custom setup** and then follow the on-screen instructions. When the **Select Components** screen appears, check **PS(PostScript Emulation) Driver**, and then continue following the on-screen instructions.*

3 When the License Agreement window appears, click **Yes** if you agree to the License Agreement.



4 Click **Finish**.

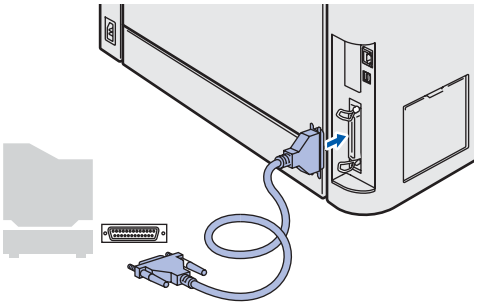


Note

- *If you want to register your product on-line, check **On-Line Registration**.*
- *If you do not want to set your printer as Default printer, uncheck Set as Default Printer.*

5 Turn off the printer power switch.

6 Connect the parallel interface cable to your computer, and then connect it to your printer.

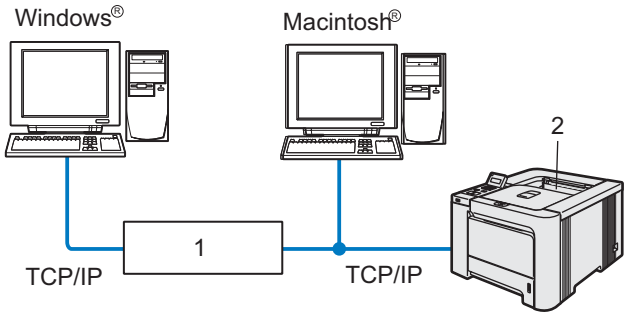


7 Turn on the printer power switch.

OK! **Setup is now complete.**

For wired network interface cable users

For Peer-to-Peer network printer users



1 Router
2 Network printer

Note

- *If you are going to connect the printer to your network, we recommend that you contact your system administrator prior to installation or see the Network User's Guide on the CD-ROM.*
- *If you are using Personal Firewall software (e.g. Windows Firewall), disable it. Once you are sure that you can print, restart your Personal Firewall software.*

Connecting the printer to your network and installing the driver

1 Click **Install Printer Driver** on the menu screen.

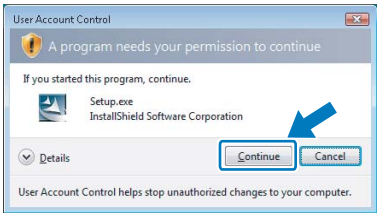
Note

*Choose the **Install Printer Driver** icon for your region.*

2 Click **Network cable users**.

Note

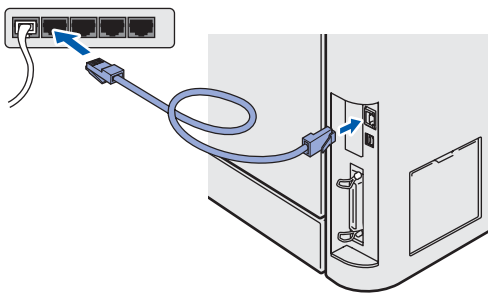
- *For Windows Vista™, when the User Account Control screen appears, click **Continue**.*



- *If you want to install the PS driver (Brother's BR-Script Driver), choose **Custom setup** and then follow the on-screen instructions. When the **Select Components** screen appears, check **PS(PostScript Emulation) Driver**, and then continue following the on-screen instructions.*

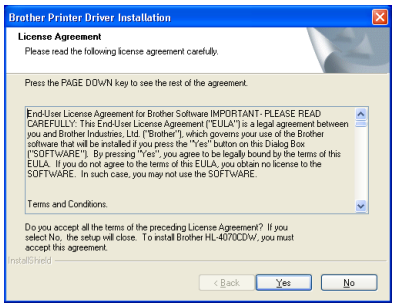
3 Turn off the printer power switch.

4 Connect the network interface cable to the printer, and then connect it to a free port on your hub.

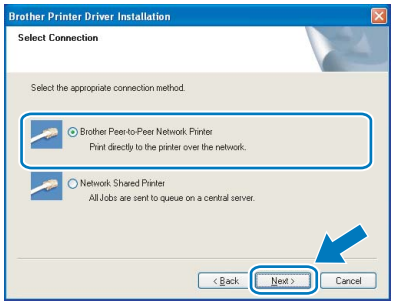


5 Turn on the printer power switch.

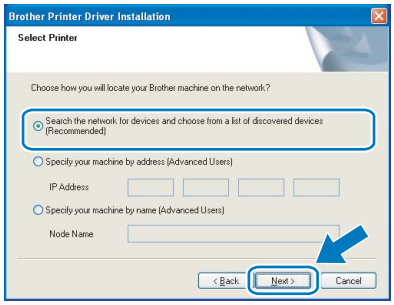
6 When the License Agreement window appears, click **Yes** if you agree to the License Agreement.



7 Choose **Brother Peer-to-Peer Network Printer**, and then click **Next**.



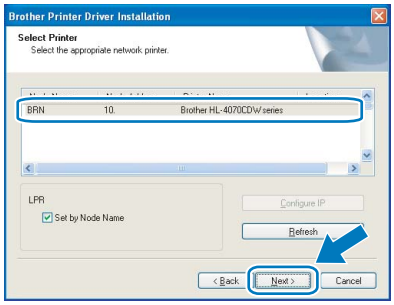
8 Choose **Search the network for devices and choose from a list of discovered devices (Recommended)**. Or enter your printer's IP address or its node name. Click **Next**.



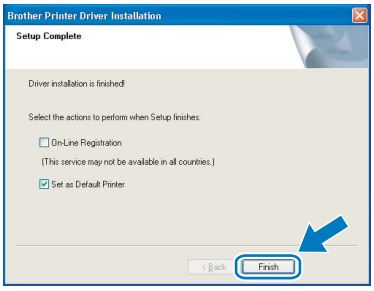
Note

Contact your administrator if you do not know the printer's IP address or node name.

9 Choose your printer, and then click **Next**.



10 Click **Finish**.

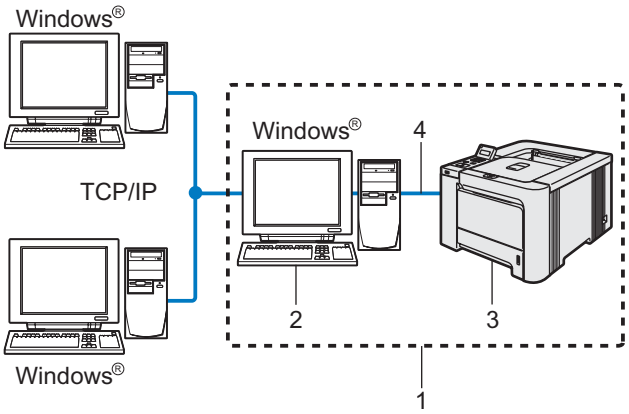


Note

- *If you want to register your product on-line, check **On-Line Registration**.*
- *If you do not want to set your printer as Default printer, uncheck Set as Default Printer.*

OK! **Setup is now complete.**

For shared network printer users



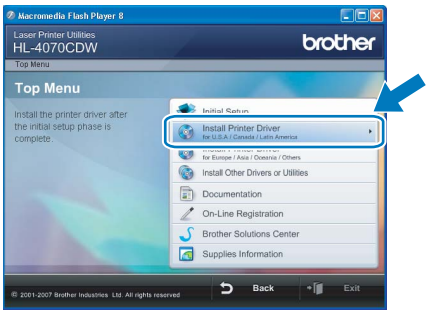
1 Network Shared
2 Also known as “Server” or “Printer server”
3 Printer
4 TCP/IP, USB or Parallel

Note

If you are going to connect to a shared printer on your network, we recommend that you ask your system administrator about the queue or share name for the printer prior to installation.

Installing the driver and choosing the correct printer queue or share name

1 Click **Install Printer Driver** on the menu screen.



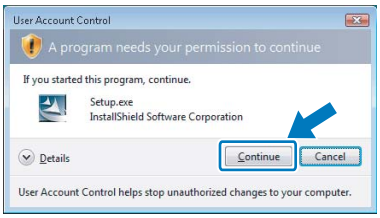
Note

*Choose the **Install Printer Driver** icon for your region.*

2 Click **Network cable users**.

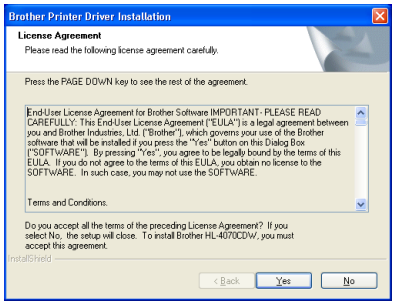
Note

- *For Windows Vista™, when the User Account Control screen appears, click **Continue**.*

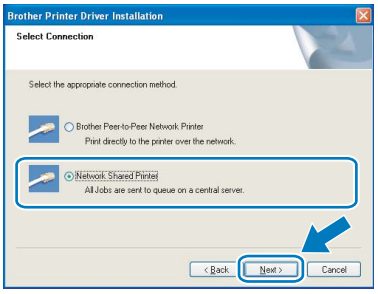


- *If you want to install the PS driver (Brother’s BR-Script Driver), choose **Custom setup** and then follow the on-screen instructions. When the **Select Components** screen appears, check **PS(PostScript Emulation) Driver**, and then continue following the on-screen instructions.*

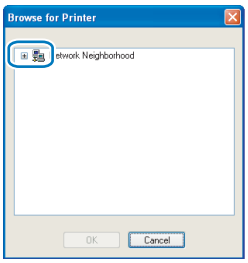
3 When the License Agreement window appears, click **Yes** if you agree to the License Agreement.

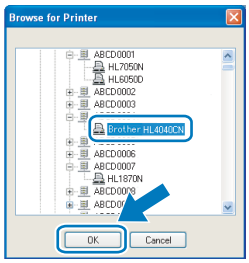


4 Choose **Network Shared Printer**, and then click **Next**.



5 Choose your printer's queue, and then click **OK**.

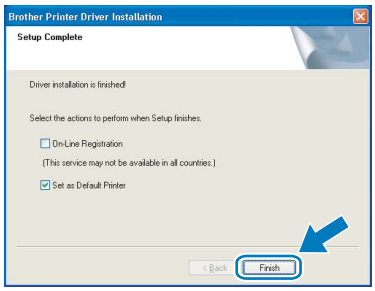




Note

Contact your administrator if you do not know the location or the name of the printer in the network.

6 Click **Finish**.



Note

- *If you want to register your product on-line, check **On-Line Registration**.*
- *If you do not want to set your printer as Default printer, uncheck Set as Default Printer.*

Setup is now complete.

For wireless network users

Connect your wireless printer and wireless network together: install the printer driver in infrastructure mode

First you must configure the wireless network settings of your printer to communicate with your network access point (router). After the printer is configured to communicate with your access point (router) computers on your network will have access to the printer. To use the printer from these computers, you will need to install the printer driver. The following steps will guide you through the configuration and installation process.
To achieve optimum results with normal everyday document printing, place the Brother printer as close to the network access point (router) as possible with minimal obstructions. Large objects and walls between the two devices as well as 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 photos or multi-page documents with mixed text and large graphics, you may want to consider choosing wired Ethernet for a faster data transfer, or USB for the fastest throughput speed.

Important

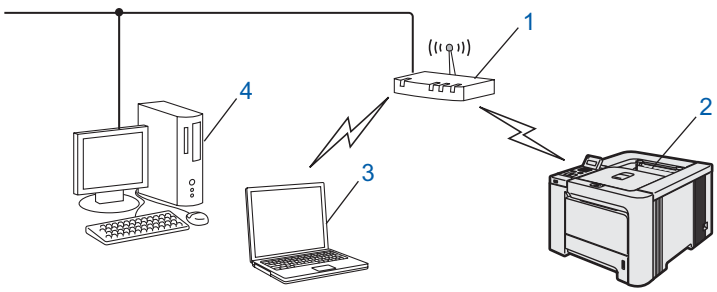
The following instructions will offer two methods for installing your Brother machine in a wireless network environment. Both methods are for infrastructure mode, using a wireless router or access point that uses DHCP to assign IP addresses. If your wireless router/access point supports SecureEasySetup™ follow the steps *Using the SecureEasySetup™ software to configure your printer for a wireless network* on page 26. If your wireless router/access point does not support SecureEasySetup™ follow the steps *Configuration in Infrastructure mode, using a wireless computer* on page 34 or *Configuration in Infrastructure mode, using a network cable temporarily* on page 49. To set up your machine in any other wireless environment you can find instructions in the Network User's Guide on the CD-ROM.

You can view the Network User's Guide by following the instructions below.
1 Turn on your computer. Insert the Brother CD-ROM into your CD-ROM drive.
2 Choose your printer model and the language. The CD-ROM main menu will appear.
3 Click the **Documentation**, and then click **HTML documents**.

Note

- *If you are going to connect the printer to your network, we recommend that you contact your system administrator prior to installation.*
- *If you are using Personal Firewall software (e.g. Windows Firewall), disable it. Once you are sure that you can print, restart your Personal Firewall software.*
- *Windows® XP Professional x64 Edition supports wireless network connection between the Brother printer and an access point only.*

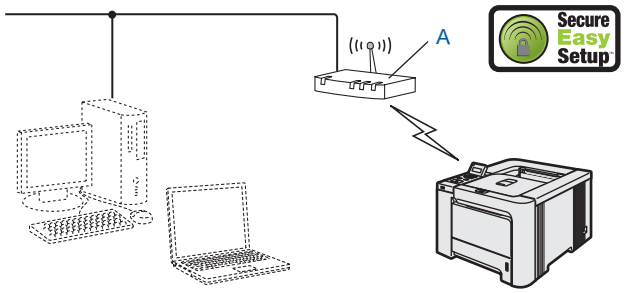
Infrastructure Mode



1 Access Point
2 Wireless Network printer
3 Wireless capable computer connected to the access point
4 Wired computer connected to the access point

Confirm your network environment
The setup process will be different depending on your network environment.

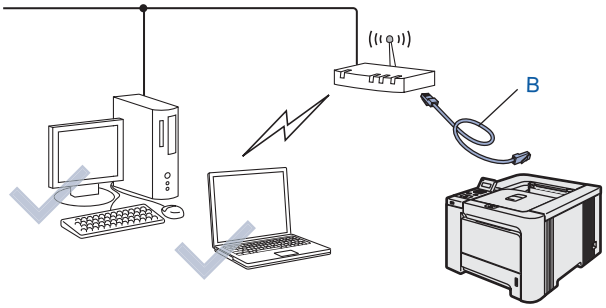
■ **Installation using SecureEasySetup™.**



If your wireless access point (A) supports SecureEasySetup™, you do not need to use a computer to configure the printer. The access point (router) and your printer can automatically negotiate using the SecureEasySetup™ procedure.
For instructions, see *Using the SecureEasySetup™ software to configure your printer for a wireless network* on page 26.

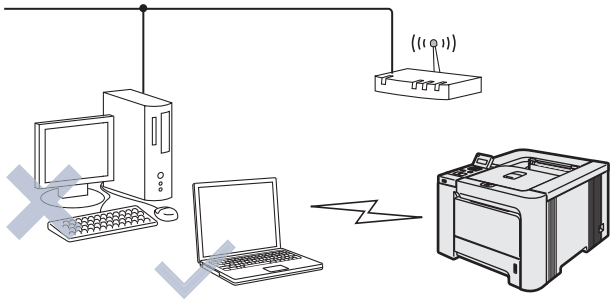
■ **Infrastructure mode**

- **Installation temporarily using a network cable.**



If there is an Ethernet Hub or Router in the same network as the wireless access point of your printer, you can temporarily connect the Hub or Router to the printer using an Ethernet cable (B), this is an easy way to configure the printer. You can then remotely configure the printer from a computer on the network.
For instructions, go to *Configuration in Infrastructure mode, using a network cable temporarily* on page 30.

- **Installation using a wireless computer.**



If a computer of yours has wireless capability, you will need to change the wireless settings of your computer to Ad-hoc mode so you can directly connect and configure the printer.
For instructions, go to *Configuration in Infrastructure mode, using a wireless computer* on page 34.

■ **Installation using the Setup Wizard from the control panel.**
You can also configure the wireless settings of your printer, by using the Setup Wizard from the control panel.
For instructions, see Chapter 3 in the Network User's Guide on the CD-ROM.

Using the SecureEasySetup™ software to configure your printer for a wireless network

The SecureEasySetup™ software of Broadcom Corporation is an easy way to configure your Brother device to your wireless network settings. By pushing a button on the wireless router or access point, you can complete setup and secure the wireless network. Your router or access point must also support SecureEasySetup™. See the user's guide for your wireless LAN router or access point for instructions to configure your printer for a wireless network.

Note

Routers or access points that support SecureEasySetup™ have the SecureEasySetup™ symbol as shown below.

1 Make sure that the printer power switch is on.

2 Click **Install Printer Driver**.

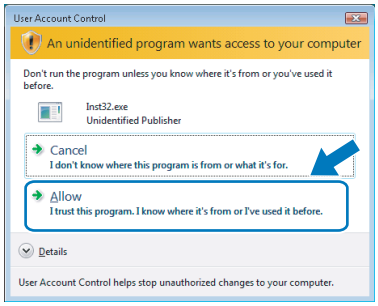
Note

*Choose the **Install Printer Driver** icon for your region.*

3 Click **Wireless Network users**.

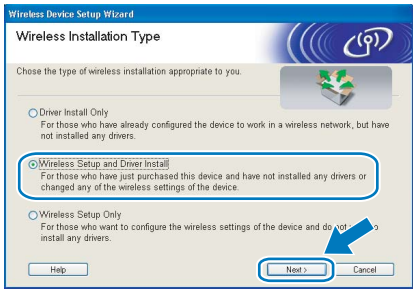
Note

- *For Windows Vista™, when the User Account Control screen appears, click **Allow**.*

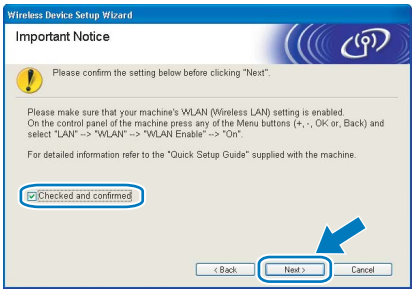


- *If you want to install the PS driver (Brother's BR-Script Driver), choose **Custom setup** and then follow the on-screen instructions. When the **Select Components** screen appears, check **PS(PostScript Emulation) Driver**, and then continue following the on-screen instructions.*

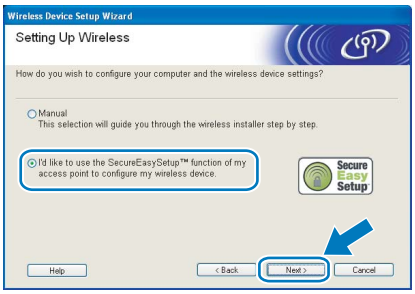
4 Choose **Wireless Setup and Driver Install**, and then click **Next**.



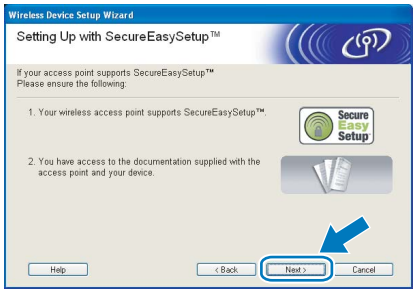
5 Read the **Important Notice** and check the box after you confirm this setting, and then click **Next**.



6 Choose **I'd like to use the SecureEasySetup™ function of my access point to configure my wireless device.** and click **Next**.



7 Confirm the on-screen message and click **Next**.



8 Refer to the instruction manual that came with your access point to use the SecureEasySetup™ mode of your access point.

9 Put the printer in SecureEasySetup™ mode using the control panel.

1 Press any of the Menu buttons (**+**, **-**, **OK** or **Back**) to take the printer off-line.

```
Ready
```

↓

```
Select ▲▼ or OK
Machine Info.
```

2 Press the **+** or **-** button to select `LAN`.

```
Select ▲▼ or OK
LAN
```

3 Press **OK** to move to the next menu level.

```
LAN
Wired
```

4 Press the **+** or **-** button to select `WLAN`.

```
LAN
WLAN
```

5 Press **OK** to move to the next menu level.

```
WLAN
TCP/IP
```

6 Press the **+** or **-** button to select `Setup WLAN`.

```
WLAN
Setup WLAN
```

7 Press **OK** to move to the next level.

```
Setup WLAN
Setup Wizard
```

8 Press the **+** or **-** button to select `SecureEasySetup`.

```
Setup WLAN
SecureEasySetup
```

9 Press **OK**.
If the following message appears, press **OK** again.

```
WLAN Enable?
On
```

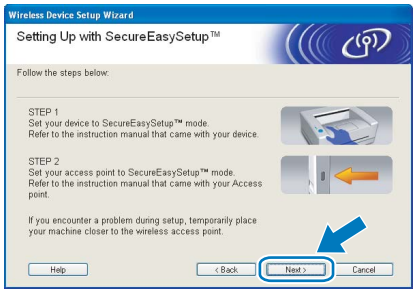
Note

The message above only appears when the wireless setting is disabled.

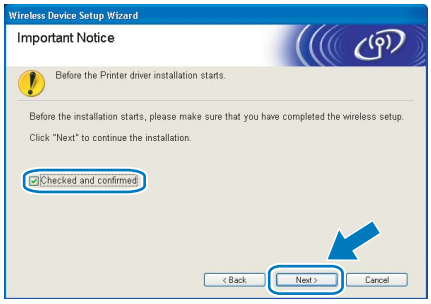
10 The wireless network connection status using the SecureEasySetup™ software will be displayed on the control panel; `Connecting WLAN`, `Connected` or `Connection NG`.

`Connecting WLAN` is displayed when the print server is trying to make connections to your router or access point. Wait till either `Connected` or `Connection NG` is displayed. `Connected` is displayed when the print server is successfully connected to your router or access point. You can now use your printer in a wireless network. `Connection NG` is displayed when the print server has not successfully connected to your router or access point. Try starting from **2** again. If the same message is displayed again, reset the print server back to the default factory settings and try again.

10 Click **Next**.



11 Check the box after you confirm that you have completed the wireless settings, and then click **Next**.

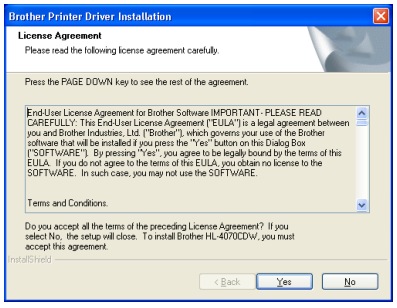


Installing the printer driver

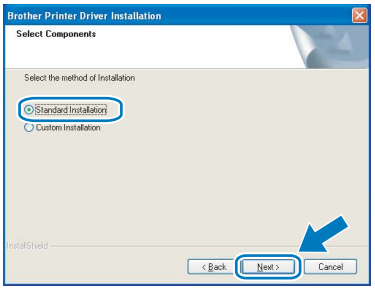
Improper Setup

- **DO NOT try to cancel any of the screens during this installation.**
- **If your wireless settings fail, and error message will appear during the installation of printer driver and the installation will be terminated. If you encounter this failure, please go to step 2 and setup the wireless connection again.**

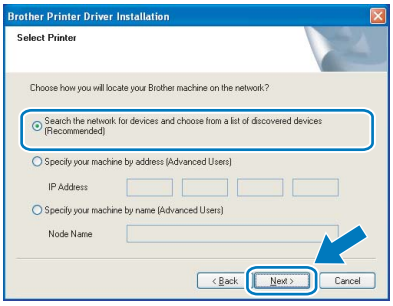
12 The driver installation starts. When the License Agreement window appears, click **Yes** if you agree to the License Agreement.



13 Choose **Standard Installation**, and then click **Next**.



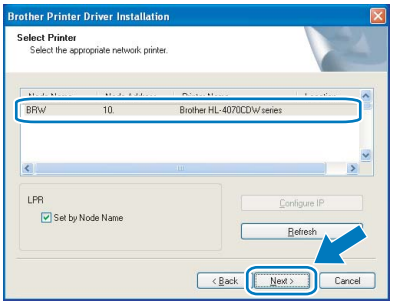
14 Choose **Search the network for devices and choose from a list of discovered devices (Recommended)**. Or enter your printer's IP address or its node name. Click **Next**.



Note

Contact your administrator if you do not know the printer's IP address or node name.

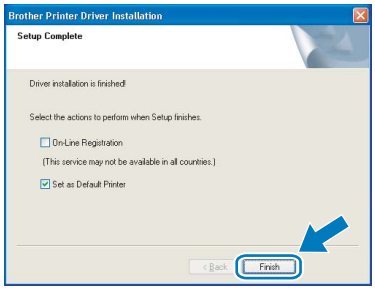
15 Choose your printer, and then click **Next**.



Note

*If your printer takes a long time (about 1 minute) to appear on the list, click **Refresh**.*

16 Click **Finish**.



Note

- *If you want to register your product on-line, check **On-Line Registration**.*
- *If you do not want to set your printer as Default printer, uncheck Set as Default Printer.*
- *Turn your Personal Firewall back on.*

OK!

Setup is now complete.

Configuration in Infrastructure mode, using a network cable temporarily

Before configuring the wireless settings

Important

If you have previously configured the wireless settings of the printer, you must reset the print server back to the default factory settings (see page 61) and enable the WLAN setting from the control panel. See *Enabling the wireless network using the control panel* on this page.

Enabling the wireless network using the control panel

1 Make sure that the printer power switch is on.

2 Press any of the Menu buttons (**+**, **-**, **OK** or **Back**) to take the printer off-line.

```
Ready
```

↓

```
Select ▲▼ or OK
Machine Info.
```

3 Press the **+** or **-** button to select LAN.

```
Select ▲▼ or OK
LAN
```

4 Press **OK** to move to the next menu level.

```
LAN
Wired
```

5 Press the **+** or **-** button to select WLAN.

```
LAN
WLAN
```

6 Press **OK** to move to select the next level.

```
WLAN
TCP/IP
```

7 Press the **+** or **-** button to select WLAN Enable.

```
WLAN
WLAN Enable
```

8 Press **OK** to move to select the next level.

```
WLAN Enable
Off
```

9 Press the **+** or **-** button to select On.

```
WLAN Enable
On
```

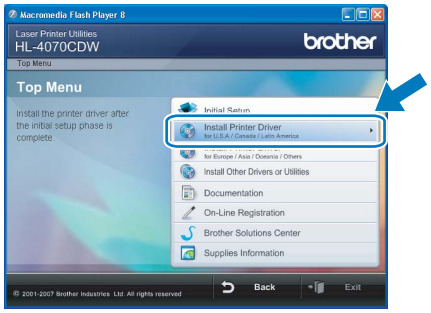
10 Press **OK**.
Accepted appears on the second line of the LCD.

```
WLAN Enable
Accepted
```

OK! **The WLAN setting is enable.**

Configure the wireless settings

1 Click **Install Printer Driver**.



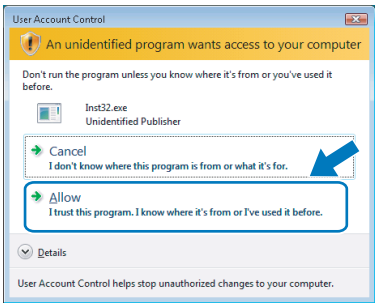
Note

*Choose the **Install Printer Driver** icon for your region.*

2 Click **Wireless Network users**.

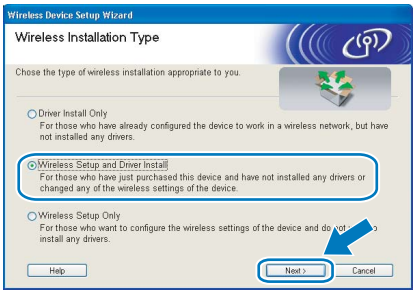
Note

- *For Windows Vista™, when the User Account Control screen appears, click **Allow**.*

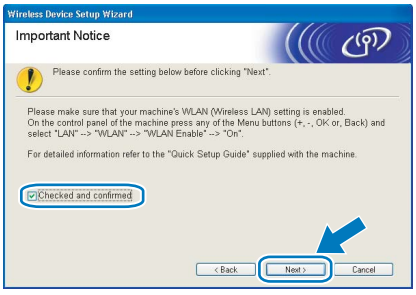


- *If you want to install the PS driver (Brother's BR-Script Driver), choose **Custom setup** and then follow the on-screen instructions. When the **Select Components** screen appears, check **PS(PostScript Emulation) Driver**, and then continue following the on-screen instructions.*

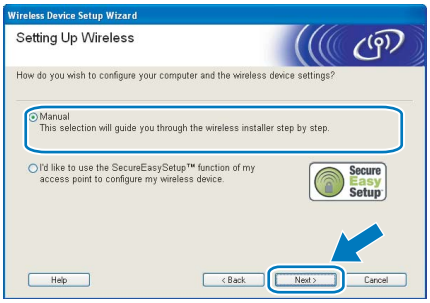
3 Choose **Wireless Setup and Driver Install**, and then click **Next**.



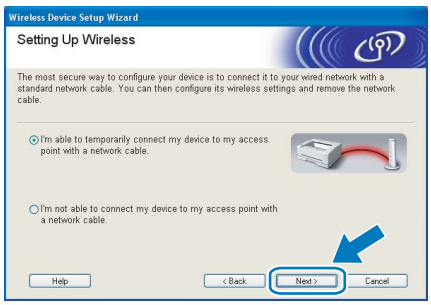
4 Read the **Important Notice** and check the box after you confirm this setting, and then click **Next**.



5 Choose **Manual** and then click **Next**.



6 Choose **I'm able to temporarily connect my device to my access point with a network cable** and then click **Next**.



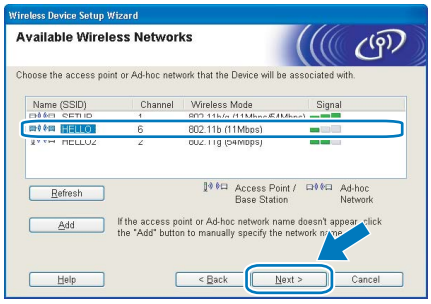
7 For configuration, you must temporarily connect your Brother wireless device (your printer) directly to a free port on your access point, hub or router using a network cable. When the following screen appears, insert the network cable to the access point and then to the printer. Click **Next**.

8 Choose the printer you wish to configure, and click **Next**. If the list is blank, check if the access point and the printer are powered on, and then click **Refresh**.

Note

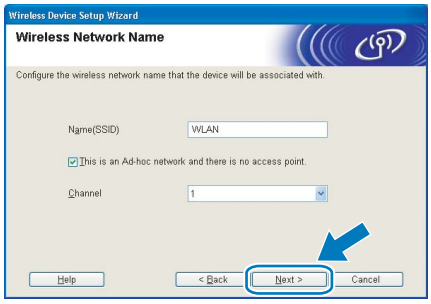
The default Node name is "BRNxxxxxx" for the users that temporarily connect with a network cable, or "BRWxxxxxx" for the users that connect without a network cable (where "xxxxxx" are the last six digits of Ethernet address).

9 The wizard will search for wireless networks available from your printer. Choose the access point you wish to associate the printer with, and then click **Next**.



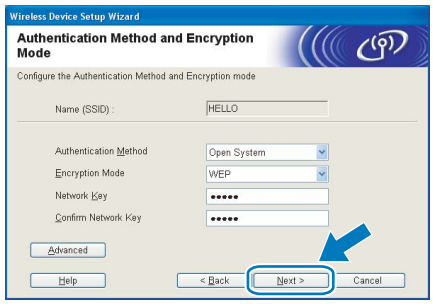
Note

- *"SETUP" is the default SSID of the printer. Do not choose this SSID.*
- *If the list is blank, check that the access point has power and is broadcasting the SSID, and then see if the printer and the access point are within range for wireless communication. Then, click **Refresh.***
- *If your access point is set to not broadcast the SSID you can manually add it by clicking the **Add** button. Follow the on-screen instructions for entering the **Name (SSID)** and the Channel number.*



10 If your network is not configured for Authentication and Encryption, the following screen will appear. To continue configuration, click **OK** and go to **12**.

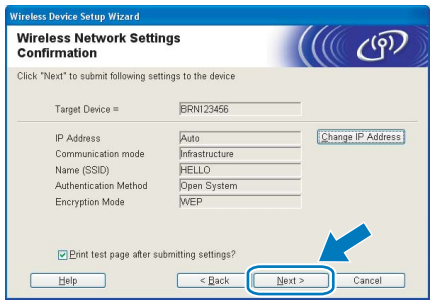
11 If your network is configured for Authentication and Encryption, the following screen will appear. When configuring your Brother wireless printer, you must ensure that it is configured to match the Authentication and Encryption settings of your existing wireless network. Choose the **Authentication Method** and **Encryption Mode** from the pull-downs in each setting box. Then enter the **Network key** and click **Next**.



Note

- *If you want to setup more than WEP key1, click **Advanced**.*
- *If you do not know the Authentication or Encryption settings for network, contact your network administrator.*

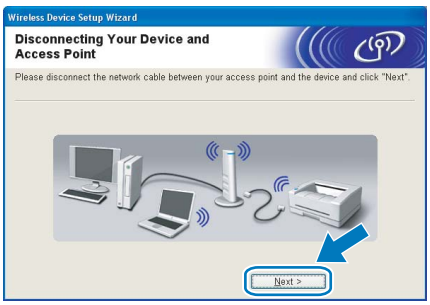
12 Click **Next**. The settings will be sent to your printer. The settings will remain unchanged if you click **Cancel**.



Note

- *If you want to manually enter the IP address settings of your printer, click **Change IP Address** and enter the necessary IP address settings for your network.*
- *The control panel settings will be automatically changed to `WLAN` when the wireless settings are sent to your printer.*

13 Disconnect the network cable between your access point (hub or router) and the printer, and click **Next**.

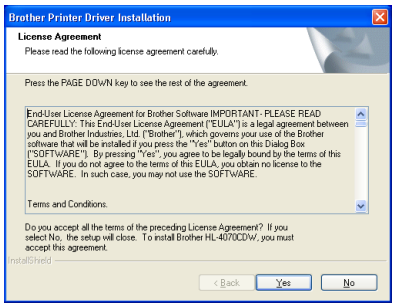


Installing the printer driver

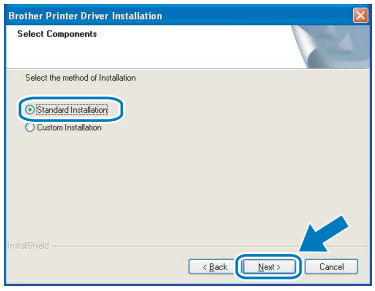
Improper Setup

- **DO NOT try to cancel any of the screens during this installation.**
- **If your wireless settings fail, and error message will appear during the installation of the printer driver and the installation will be terminated. If you encounter this failure, please go to step 1 and setup the wireless connection again.**

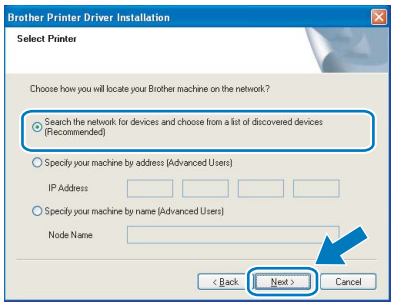
14 The driver installation starts. When the License Agreement window appears, click **Yes** if you agree to the License Agreement.



15 Choose **Standard Installation**, and then click **Next**.



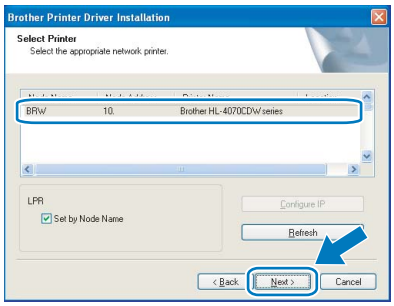
16 Choose **Search the network for devices and choose from a list of discovered devices (Recommended)**. Or enter your printer's IP address or its node name. Click **Next**.



Note

Contact your administrator if you do not know the printer's IP address or node name.

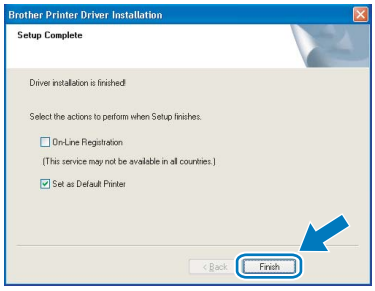
17 Choose your printer, and then click **Next**.



Note

*If your printer takes a long time (about 1 minute) to appear on the list, click **Refresh**.*

18 Click **Finish**.



Note

- *If you want to register your product on-line, check **On-Line Registration**.*
- *If you do not want to set your printer as Default printer, uncheck Set as Default Printer.*
- *Turn your Personal Firewall back on.*

OK! **Setup is now complete.**

Configuration in Infrastructure mode, using a wireless computer

Before configuring the wireless settings

Important

If you have previously configured the wireless settings of the printer, you must reset the print server back to the default factory settings (see page 61) and enable the WLAN setting from the control panel. See *Enabling the wireless network using the control panel* on this page.

Enabling the wireless network using the control panel

1 Make sure that the printer power switch is on.

2 Press any of the Menu buttons (**+**, **-**, **OK** or **Back**) to take the printer off-line.

```
Ready
```

↓

```
Select ▲▼ or OK
Machine Info.
```

3 Press the **+** or **-** button to select LAN.

```
Select ▲▼ or OK
LAN
```

4 Press **OK** to move to the next menu level.

```
LAN
Wired
```

5 Press the **+** or **-** button to select WLAN.

```
LAN
WLAN
```

6 Press **OK** to move to select the next level.

```
WLAN
TCP/IP
```

7 Press the **+** or **-** button to select WLAN Enable.

```
WLAN
WLAN Enable
```

8 Press **OK** to move to select the next level.

```
WLAN Enable
Off
```

9 Press the **+** or **-** button to select On.

```
WLAN Enable
On
```

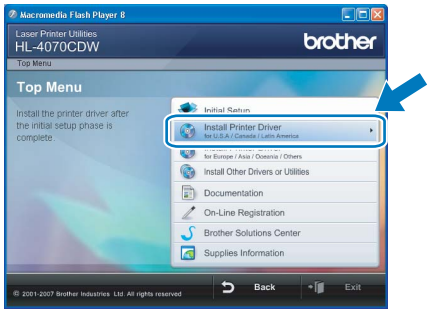
10 Press **OK**.
Accepted appears on the second line of the LCD.

```
WLAN Enable
Accepted
```

OK! **The WLAN setting is enable.**

Configure the wireless settings

1 Click **Install Printer Driver**.



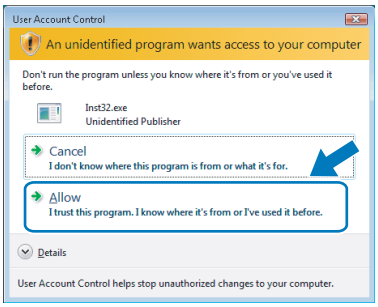
Note

*Choose the **Install Printer Driver** icon for your region.*

2 Click **Wireless Network users**.

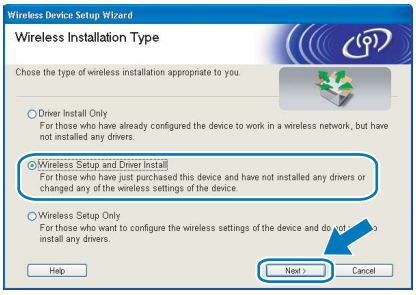
Note

- *For Windows Vista™, when the User Account Control screen appears, click **Allow**.*

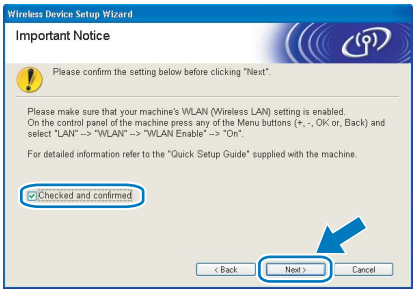


- *If you want to install the PS driver (Brother's BR-Script Driver), choose **Custom setup** and then follow the on-screen instructions. When the **Select Components** screen appears, check **PS(PostScript Emulation) Driver**, and then continue following the on-screen instructions.*

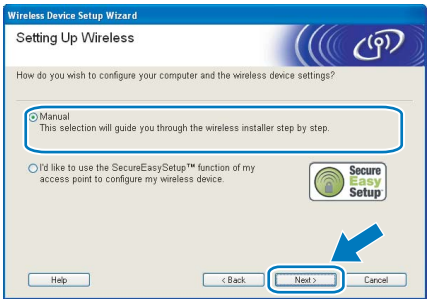
3 Choose **Wireless Setup and Driver Install**, and then click **Next**.



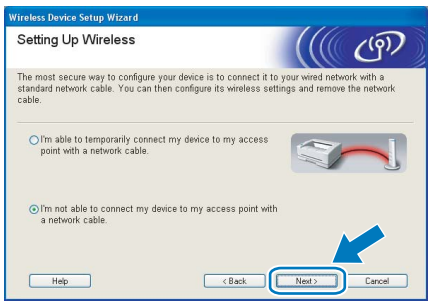
4 Read the **Important Notice** and check the box after you confirm this setting, and then click **Next**.



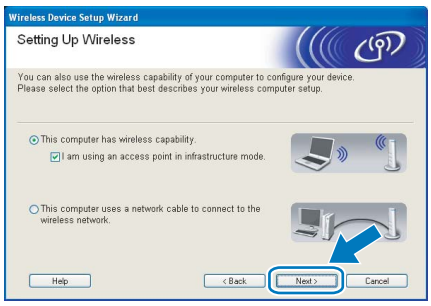
5 Choose **Manual** and then click **Next**.



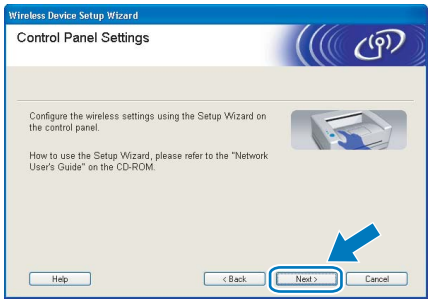
6 Choose **I'm not able to connect my device to my access point with a network cable** and then click **Next**.



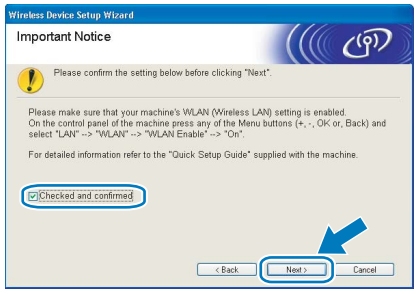
7 If you choose **This computer has wireless capability.**, check **I am using an access point in infrastructure mode**, and then click **Next**. Go to **9**.



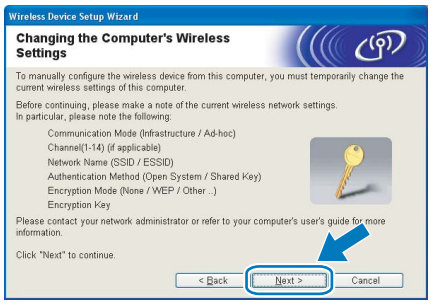
If you are using a wired computer, choose **This computer uses a network cable to connect to the wireless network.**, you must configure the wireless settings from the control panel. Click **Next** and see chapter 3 in the Network User's Guide on the CD-ROM.
If you have already completed the wireless settings, click **Next** and go to **8**.



8 Check the box after you confirm that you have completed the wireless settings, and then click **Next**. Go to *Installing the printer driver* on page 38.

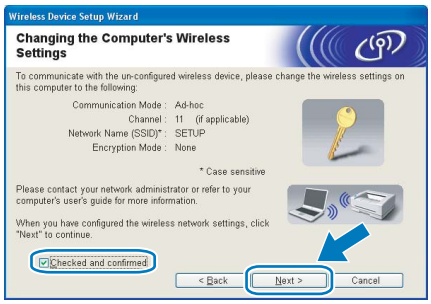


9 You need to temporarily change your computer's wireless settings. Follow the on-screen instructions. Make sure you take notes on all the settings such as SSID or channel of your computer. You will need them to return your computer back to its original wireless settings, and then click **Next**.



Item	Record the current wireless computer settings
Communication mode: (Infrastructure / Ad-hoc)	
Channel: (1-14)	
Network name: (SSID / ESSID)	
Authentication method: (Open system / Shared key / WPA/WPA2-PSK / LEAP)	
Encryption: (None / WEP / WPA / TKIP / AES/ CKIP)	
Encryption key:	

10 To communicate with the un-configured wireless printer, temporarily change the wireless settings on your computer to match printer's default settings shown on this screen. Check the box after you confirm these settings, and then click **Next**.



Note

- *If a message to restart your computer appears after the wireless settings have been changed, restart your computer and then go back to step* **1** *and continue with the install skipping steps* **9** *and* **10**.

- *For Windows Vista™ users:*
  You can temporarily change the wireless settings on your computer, following the steps below:

  1 *Click* ***Start*** *and then* ***Control Panel****.*

  2 *Click* ***Network and Internet*** *and then* ***Network and Sharing Center*** *icon.*

  3 *Click* ***Connect to a network****.*

  4 *You can see the SSID of the wireless printer in the list. Select* ***SETUP*** *and click* ***Connect****.*

  5 *Click* ***Connect Anyway*** *and then* ***Close****.*

  6 *Click* ***View status*** *of* ***Wireless Network Connection (SETUP)****.*

  7 *Click* ***Details...****. and check the* ***Network Connection Details****. It may take a few minutes to change from 0.0.0.0 to 169.254.x.x IP address to be shown on screen (where x.x. are numbers between 1 and 254).*

- *For Windows® XP SP2 users:*
  You can temporarily change the wireless settings on your computer, following the steps below:

  1 *Click* ***Start*** *and then* ***Control Panel****.*

  2 *Click* ***Network and Internet Connections*** *icon.*

  3 *Click* ***Network Connections*** *icon.*

  4 *Select and right click* ***Wireless Network Connection****. Click* ***View Available Wireless Networks****.*

  5 *You can see the SSID of the wireless printer in the list. Select* ***SETUP*** *and click* ***Connect****.*

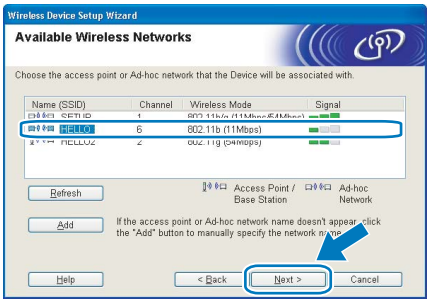
  6 *Check the* ***Wireless Network Connection*** *status. It may take a few minutes to change from 0.0.0.0 to 169.254.x.x IP address to be shown on screen (where x.x. are numbers between 1 and 254).*

11 Choose the printer you wish to configure, and click **Next**. If the list is blank, check if the access point and the printer are powered on, and then click **Refresh**.

Note

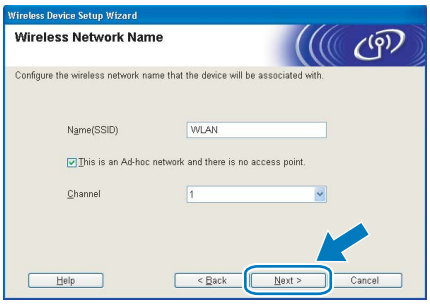
The default Node name is "BRNxxxxxx" for the users that temporarily connect with a network cable, or "BRWxxxxxx" for the users that connect without a network cable (where "xxxxxx" are the last six digits of Ethernet address).

12 The wizard will search for wireless networks available from your printer. Choose the access point you wish to associate the printer with, and then click **Next**.



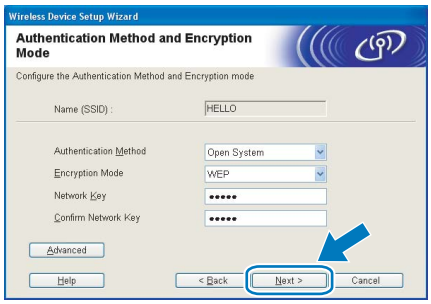
Note

- *"SETUP" is the default SSID of the printer. Do not choose this SSID.*
- *If the list is blank, check that the access point has power and is broadcasting the SSID, and then see if the printer and the access point are within range for wireless communication. Then, click **Refresh.***
- *If your access point is set to not broadcast the SSID you can manually add it by clicking the **Add** button. Follow the on-screen instructions for entering the **Name (SSID)** and the Channel number.*



13 If your network is not configured for Authentication and Encryption, the following screen will appear. To continue configuration, click **OK** and go to **15**.

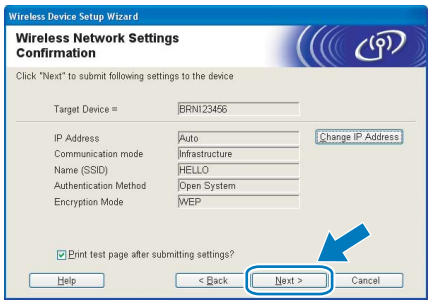
14 If your network is configured for Authentication and Encryption, the following screen will appear. When configuring your Brother wireless printer, you must ensure that it is configured to match the Authentication and Encryption settings of your existing wireless network. Choose the **Authentication Method** and **Encryption Mode** from the pull-downs in each setting box. Then enter the **Network key** and click **Next**.



Note

- *If you want to setup more than WEP key1, click **Advanced**.*
- *If you do not know the Authentication or Encryption settings for network, contact your network administrator.*

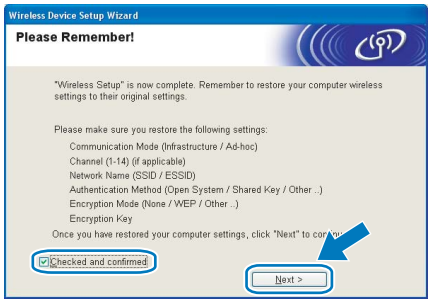
15 Click **Next**. The settings will be sent to your printer. The settings will remain unchanged if you click **Cancel**.



Note

- *If you want to manually enter the IP address settings of your printer, click **Change IP Address** and enter the necessary IP address settings for your network.*
- *The control panel settings will be automatically changed to WLAN when the wireless settings are sent to your printer.*

16 Using the information you recorded in **9**, return the wireless settings of your computer back to their original settings. Check the box if you confirm this step, and then click **Next**.

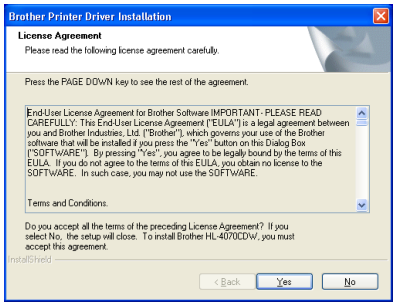


Installing the printer driver

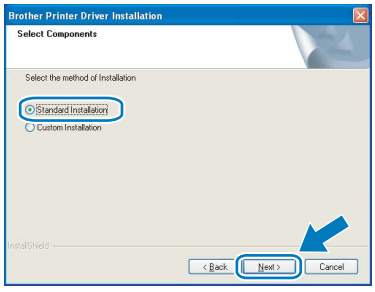
Improper Setup

- **DO NOT try to cancel any of the screens during this installation.**
- **If your wireless settings fail, and error message will appear during the installation of the printer driver and the installation will be terminated. If you encounter this failure, please go to step 1 and setup the wireless connection again.**

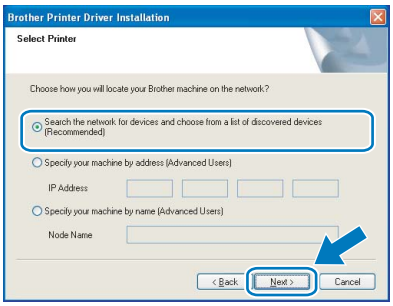
17 The driver installation starts. When the License Agreement window appears, click **Yes** if you agree to the License Agreement.



18 Choose **Standard Installation**, and then click **Next**.



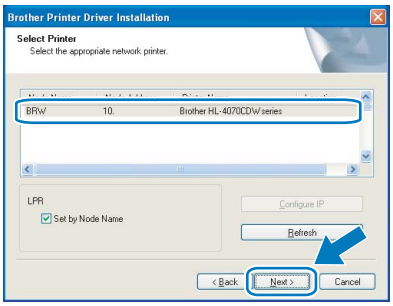
19 Choose **Search the network for devices and choose from a list of discovered devices (Recommended)**. Or enter your printer's IP address or its node name. Click **Next**.



Note

Contact your administrator if you do not know the printer's IP address or node name.

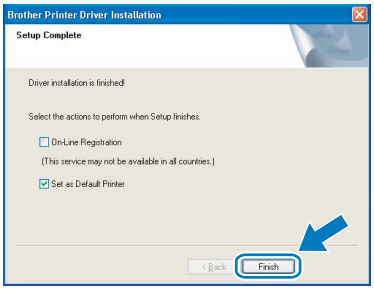
20 Choose your printer, and then click **Next**.



Note

*If your printer takes a long time (about 1 minute) to appear on the list, click **Refresh**.*

21 Click **Finish**.



Note

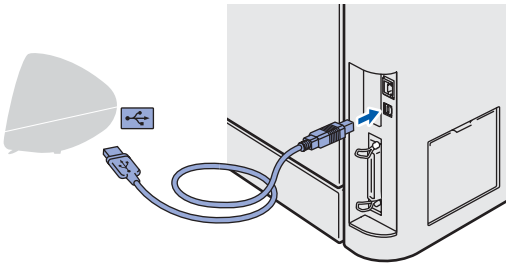
- *If you want to register your product on-line, check **On-Line Registration**.*
- *If you do not want to set your printer as Default printer, uncheck Set as Default Printer.*
- *Turn your Personal Firewall back on.*

OK! **Setup is now complete.**

For USB interface cable users

Connecting the printer to your Macintosh® and installing the driver

1 Connect the USB interface cable to your Macintosh®, and then connect it to the printer.

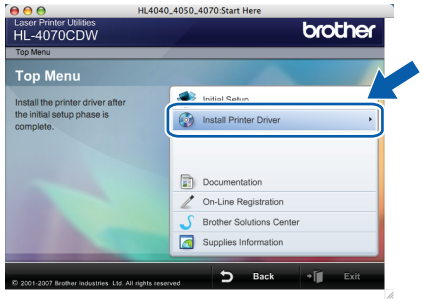


Improper Setup

DO NOT connect the printer to a USB port on a keyboard or a non-powered USB hub.

2 Make sure the printer power switch is on.

3 Click **Install Printer Driver** on the menu screen.



4 Click **USB cable users** and follow the on-screen instructions. Then, restart your Macintosh®.

For Mac OS® X 10.2.4 to 10.2.8 users:
Go to step **7**.

For Mac OS® X 10.3 or greater users:
Go to step **5**.

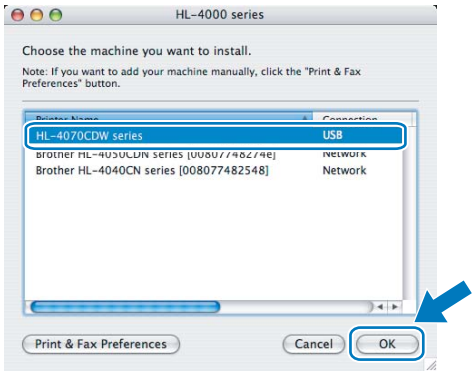
Note

Please see the User's Guide on the CD-ROM to install the PS driver (Brother's BR-Script Driver).

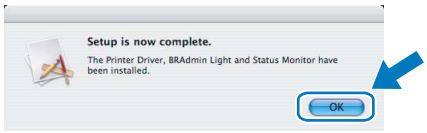
5 The Brother software will search for the Brother printer. During this time the following screen will appear.

Note

*If more than one printer is available, the following list appears. Choose the printer you wish to connect, and then click **OK**.*

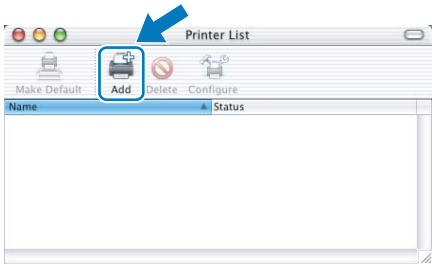


6 When this screen appears, click **OK**.

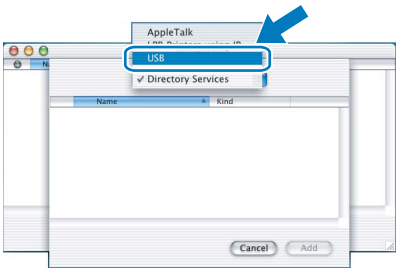


For Mac OS® X 10.3 or greater users:
Setup is now complete.

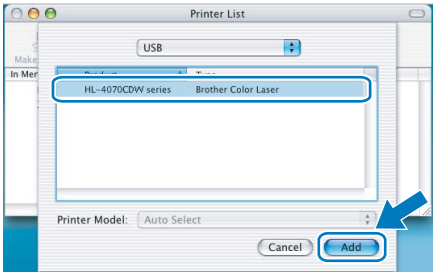
7 When this screen appears, click **Add**.



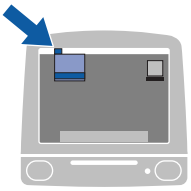
8 Choose **USB**.

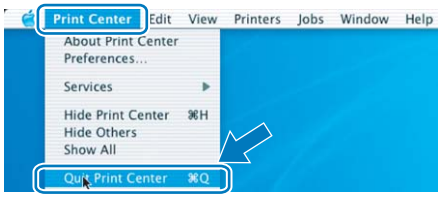


9 Choose your printer, and then click **Add**.



10 Click **Print Center**, then **Quit Print Center**.



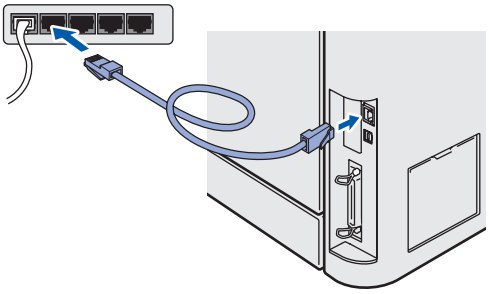


OK! **For Mac OS® X 10.2.4 to 10.2.8 users:**
Setup is now complete.

For wired network interface cable users

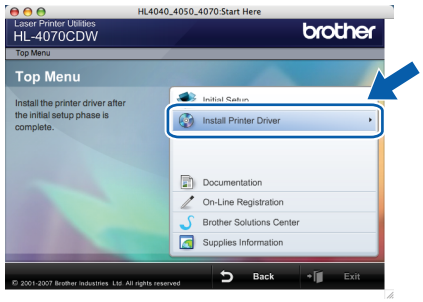
Connecting the printer to your Macintosh® and installing the driver

1 Connect the network interface cable to the printer, and then connect it to a free port on your hub.



2 Turn on the printer power switch.

3 Click **Install Printer Driver** on the menu screen.



4 Click **Network cable users** and follow the on-screen instructions. Then, restart your Macintosh®.

For Mac OS® X 10.2.4 to 10.2.8 users:
Go to step **7**.

For Mac OS® X 10.3 or greater users:
Go to step **5**.

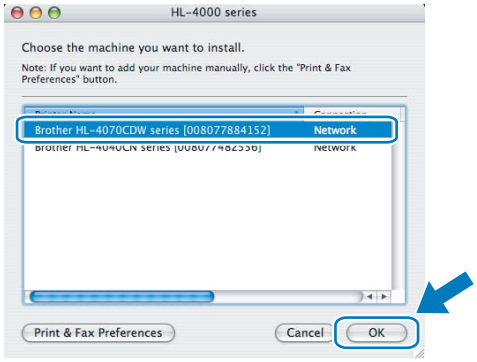
Note

Please see the Network User's Guide on the CD-ROM to install the PS driver (Brother's BR-Script Driver).

5 The Brother software will search for the Brother printer. During this time the following screen will appear.

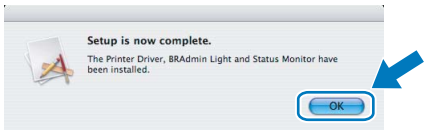
Note

*If more than one printer is available, the following list appears. Choose the printer you wish to connect, and then click **OK**.*



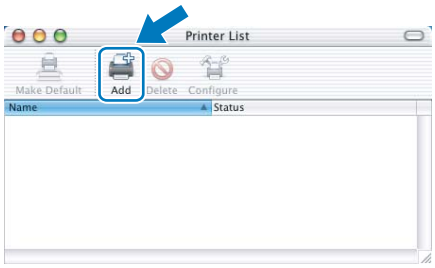
- *If there is more than one of the same printer model connected on your network, the Ethernet address (MAC address) will be displayed after the model name.*

6 When this screen appears, click **OK**.

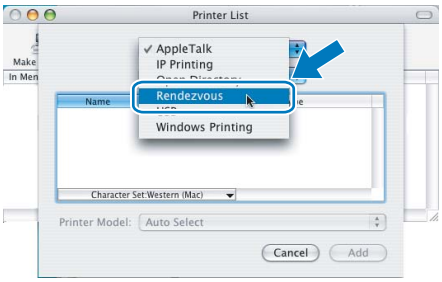


OK! **For Mac OS® X 10.3 or greater users: Setup is now complete.**

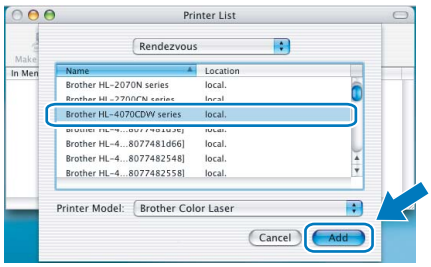
7 When this screen appears, click **Add**.



8 Make the following selection.



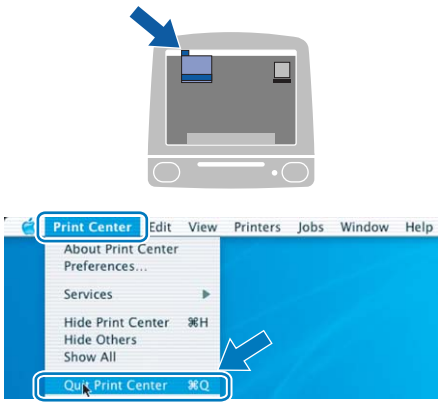
9 Choose your printer, and then click **Add**.



Note

If there is more than one of the same printer model connected on your network, the Ethernet address (MAC address) will be displayed after the model name.

10 Click **Print Center**, then **Quit Print Center**.



For Mac OS® X 10.2.4 to 10.2.8 users:
Setup is now complete.

For wireless network users

Connect your wireless printer and wireless network together: install the printer driver in infrastructure mode

First you must configure the wireless network settings of your printer to communicate with your network access point (router). After the printer is configured to communicate with your access point (router) computers on your network will have access to the printer. To use the printer from these computers, you will need to install the printer driver. The following steps will guide you through the configuration and installation process.
To achieve optimum results with normal everyday document printing, place the Brother printer as close to the network access point (router) as possible with minimal obstructions. Large objects and walls between the two devices as well as 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 photos or multi-page documents with mixed text and large graphics, you may want to consider choosing wired Ethernet for a faster data transfer, or USB for the fastest throughput speed.

Important

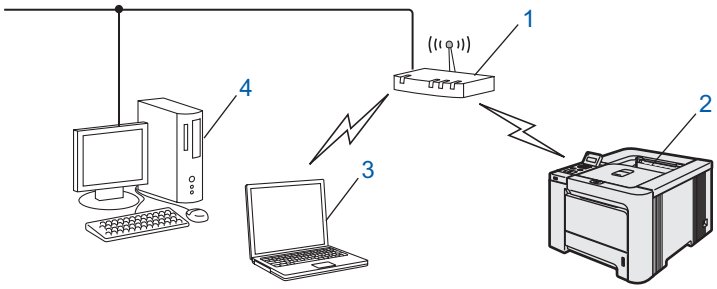
The following instructions will offer two methods for installing your Brother machine in a wireless network environment. Both methods are for infrastructure mode, using a wireless router or access point that uses DHCP to assign IP addresses. If your wireless router/access point supports SecureEasySetup™ follow the steps *Using the SecureEasySetup™ software to configure your printer for a wireless network* on page 45. If your wireless router/access point does not support SecureEasySetup™ follow the steps *Configuration in Infrastructure mode, using a network cable temporarily* on page 49 or *Configuration in Infrastructure mode, using a wireless computer* on page 53. To set up your machine in any other wireless environment you can find instructions in the Network User's Guide on the CD-ROM.

You can view the Network User's Guide by following the instructions below.
1 Turn on your computer. Insert the Brother CD-ROM into your CD-ROM drive.
2 Choose your printer model and the language. The CD-ROM main menu will appear.
3 Click the **Documentation**, and then click **HTML documents**.

Note

- *If you are going to connect the printer to your network, we recommend that you contact your system administrator prior to installation.*
- *Before installation, if you are using Personal Firewall software, disable it. Once you are sure that you can print, restart your Personal Firewall software.*

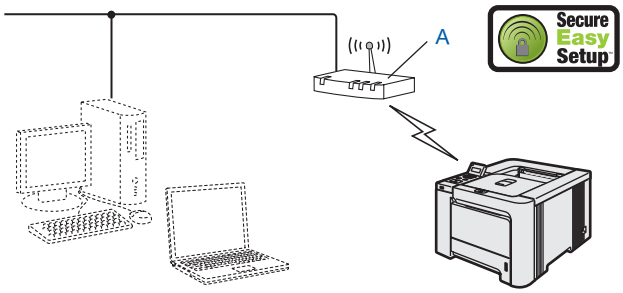
Infrastructure Mode



1 Access Point
2 Wireless Network printer
3 Wireless capable computer connected to the access point
4 Wired computer connected to the access point

Confirm your network environment
The setup process will be different depending on your network environment.

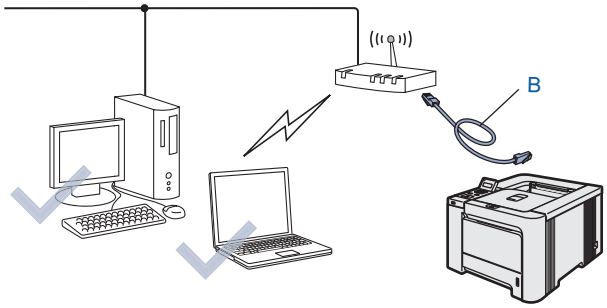
■ **Installation using SecureEasySetup™.**



If your wireless access point (A) supports SecureEasySetup™, you do not need to use a computer to configure the printer. The access point (router) and your printer can automatically negotiate using the SecureEasySetup™ procedure.
For instructions, see *Using the SecureEasySetup™ software to configure your printer for a wireless network* on page 45.

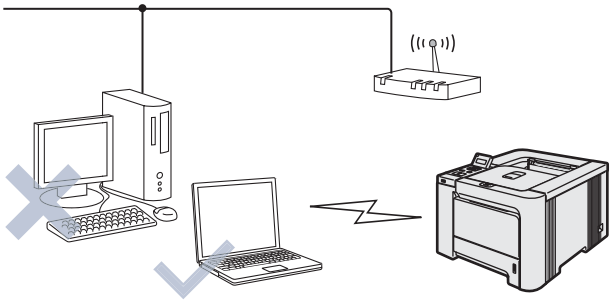
■ **Infrastructure mode**

- **Installation temporarily using a network cable.**



If there is an Ethernet Hub or Router in the same network as the wireless access point of your printer, you can temporarily connect the Hub or Router to the printer using an Ethernet cable (B), this is an easy way to configure the printer. You can then remotely configure the printer from a computer on the network.
For instructions, see *Configuration in Infrastructure mode, using a network cable temporarily* on page 49.

- **Installation using a wireless computer.**



If a computer of yours has wireless capability, you will need to change the wireless settings of your computer to Ad-hoc mode so you can directly connect and configure the printer.
For instructions, see *Configuration in Infrastructure mode, using a network cable temporarily* on page 49.

■ **Installation using the Setup Wizard from the control panel.**
You can also configure the wireless settings of your printer, by using the Setup Wizard from the control panel.
For instructions, see Chapter 3 in the Network User's Guide on the CD-ROM.

Using the SecureEasySetup™ software to configure your printer for a wireless network

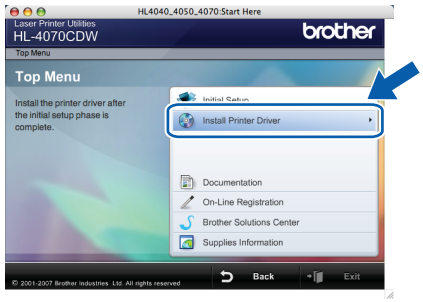
The SecureEasySetup™ software of Broadcom Corporation is an easy way to configure your Brother device to your wireless network settings. By pushing a button on the wireless router or access point, you can complete setup and secure the wireless network. Your router or access point must also support SecureEasySetup™. See the user's guide for your wireless LAN router or access point for instructions to configure your printer for a wireless network.

Note

Routers or access points that support SecureEasySetup™ have the SecureEasySetup™ symbol as shown below.

1 Make sure that the printer power switch is on.

2 Click **Install Printer Driver**.

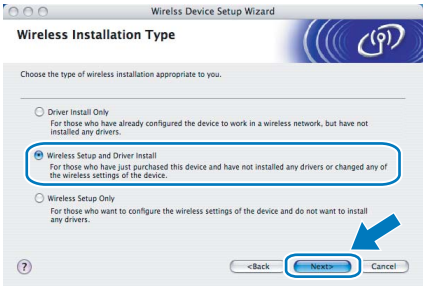


3 Click **Wireless Network users**.

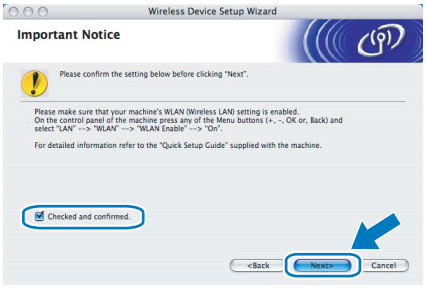
Note

Please see the Network User's Guide on the CD-ROM to install the PS driver (Brother's BR-Script Driver).

4 Choose **Wireless Setup and Driver Install**, and then click **Next**.

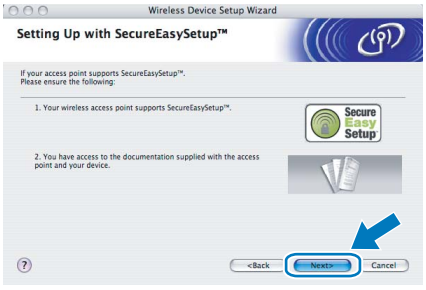


5 Read the **Important Notice** and check the box after you confirm this setting, and then click **Next**.



6 Choose **I'd like to use the SecureEasySetup™ function of my access point to configure my wireless device.** and click **Next**.

7 Confirm the on-screen message and click **Next**.



8 Refer to the instruction manual that came with your access point to use the SecureEasySetup™ mode of your access point.

9 Put the printer in SecureEasySetup™ mode using the control panel.

1 Press any of the Menu buttons (**+**, **-**, **OK** or **Back**) to take the printer off-line.

```
Ready
```

↓

```
Select ▲▼ or OK
Machine Info.
```

2 Press the **+** or **-** button to select `LAN`.

```
Select ▲▼ or OK
LAN
```

3 Press **OK** to move to the next menu level.

```
LAN
Wired
```

4 Press the **+** or **-** button to select `WLAN`.

```
LAN
WLAN
```

5 Press **OK** to move to the next menu level.

```
WLAN
TCP/IP
```

6 Press the **+** or **-** button to select `Setup WLAN`.

```
WLAN
Setup WLAN
```

7 Press **OK** to move to the next level.

```
Setup WLAN
Setup Wizard
```

8 Press the **+** or **-** button to select `SecureEasySetup`.

```
Setup WLAN
SecureEasySetup
```

9 Press **OK**.
If the following message appears, press **OK** again.

```
WLAN Enable?
On
```

Note

The message above only appears when the wireless setting is disabled.

10 The wireless network connection status using the SecureEasySetup™ software will be displayed on the control panel; `Connecting WLAN`, `Connected` or `Connection NG`.

`Connecting WLAN` is displayed when the print server is trying to make connections to your router or access point. Wait till either `Connected` or `Connection NG` is displayed. `Connected` is displayed when the print server is successfully connected to your router or access point. You can now use your printer in a wireless network. `Connection NG` is displayed when the print server has not successfully connected to your router or access point. Try starting from **2** again. If the same message is displayed again, reset the print server back to the default factory settings and try again.

10 Click **Next**.

11 Check the box after you confirm that you have completed the wireless settings, and then click **Next**.

Installing the printer driver

Improper Setup

- **DO NOT try to cancel any of the screens during this installation.**
- **If your wireless settings fail, and error message will appear during the installation of printer driver and the installation will be terminated. If you encounter this failure, please go to step 2 and setup the wireless connection again.**

12 The driver installation starts.

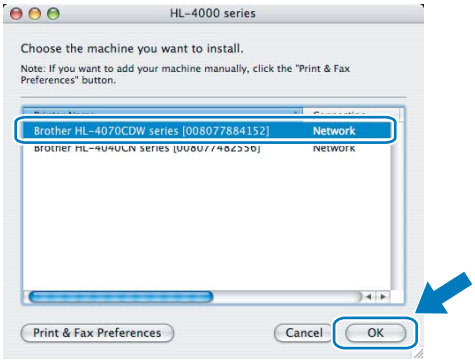
For Mac OS® X 10.3 or greater users:
Go to step **13**.

For Mac OS® X 10.2.4 to 10.2.8 users:
Go to step **15**.

13 The Brother software will search for the Brother printer. During this time the following screen will appear.

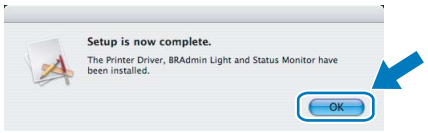
Note

*If more than one printer is available, the following list appears. Choose the printer you wish to connect, and then click **OK**.*



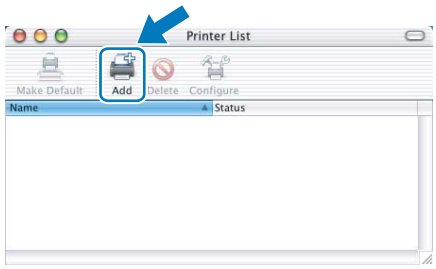
- *If there is more than one of the same printer model connected on your network, the Ethernet address (MAC address) will be displayed after the model name.*

14 When this screen appears, click **OK**.

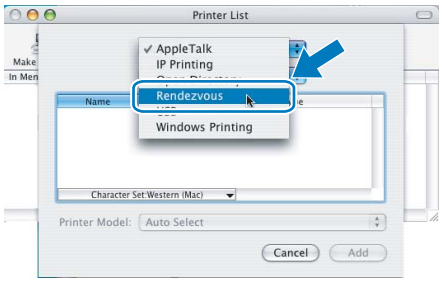


For Mac OS® X 10.3 or greater users:
Setup is now complete.

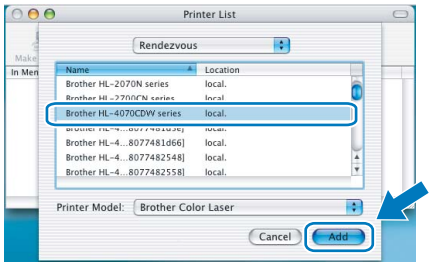
15 When this screen appears, click **Add**.



16 Make the following selection.



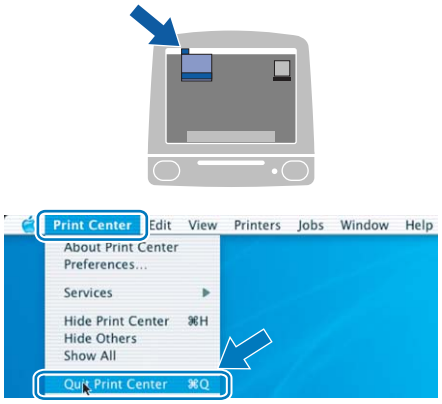
17 Choose your printer, and then click **Add**.



Note

If there is more than one of the same printer model connected on your network, the Ethernet address (MAC address) will be displayed after the model name.

18 Click **Print Center**, then **Quit Print Center**.



OK! **For Mac OS® X 10.2.4 to 10.2.8 users:**
Setup is now complete.

Configuration in Infrastructure mode, using a network cable temporarily

Before you configure the wireless settings

Important

If you have previously configured the wireless settings of the printer, you must reset the print server back to the default factory settings (see page 61) and enable the `WLAN` setting from the control panel. See *Enabling the wireless network using the control panel* on this page.

Enabling the wireless network using the control panel

1 Make sure that the printer power switch is on.

2 Press any of the Menu buttons (**+**, **-**, **OK** or **Back**) to take the printer off-line.

```
Ready
```

↓

```
Select ▲▼ or OK
Machine Info.
```

3 Press the **+** or **-** button to select `LAN`.

```
Select ▲▼ or OK
LAN
```

4 Press **OK** to move to the next menu level.

```
LAN
Wired
```

5 Press the **+** or **-** button to select `WLAN`.

```
LAN
WLAN
```

6 Press **OK** to move to select the next level.

```
WLAN
TCP/IP
```

7 Press the **+** or **-** button to select `WLAN Enable`.

```
WLAN
WLAN Enable
```

8 Press **OK** to move to select the next level.

```
WLAN Enable
Off
```

9 Press the **+** or **-** button to select `On`.

```
WLAN Enable
On
```

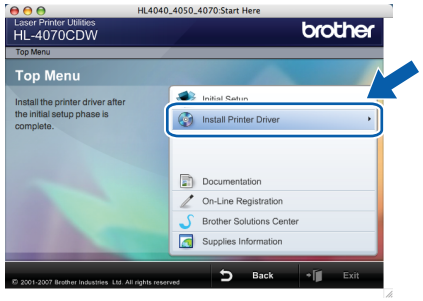
10 Press **OK**.
`Accepted` appears on the second line of the LCD.

```
WLAN Enable
Accepted
```

OK! **The WLAN setting is enable.**

Configure the wireless settings

1 Click **Install Printer Driver**.



2 Click **Wireless Network users**.

Note

Please see the Network User's Guide on the CD-ROM to install the PS driver (Brother's BR-Script Driver).

3 Choose **Wireless Setup and Driver Install**, and then click **Next**.

4 Read the **Important Notice** and check the box after you confirm this setting, and then click **Next**.

5 Choose **Manual** and then click **Next**.

6 Choose **I'm able to temporarily connect my device to my access point with a network cable** and then click **Next**.

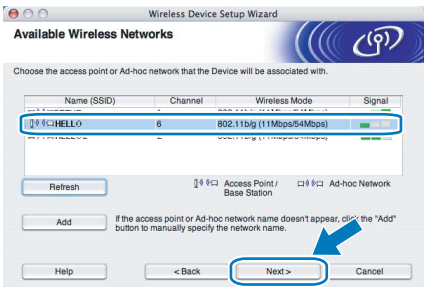
7 For configuration, you must temporarily connect your Brother wireless device (your printer) directly to a free port on your access point, hub or router using a network cable. When the following screen appears, insert the network cable to the access point and then to the printer. Click **Next**.

8 Choose the printer you wish to configure, and click **Next**. If the list is blank, check if the access point and the printer are powered on, and then click **Refresh**.

Note

The default Node name is "BRNxxxxxx" for the users that temporarily connect with a network cable, or "BRWxxxxxx" for the users that connect without a network cable (where "xxxxxx" are the last six digits of Ethernet address).

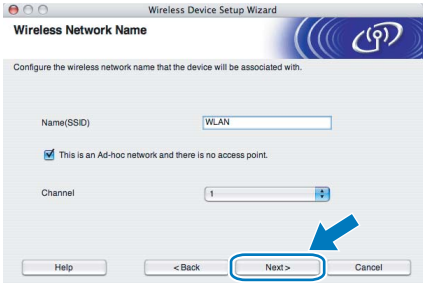
9 The wizard will search for wireless networks available from your printer. Choose the access point you wish to associate the printer with, and then click **Next**.



Note

- *"SETUP" is the default SSID of the printer. Do not choose this SSID.*

- *If the list is blank, check that the access point has power and is broadcasting the SSID, and then see if the printer and the access point are within range for wireless communication. Then, click* ***Refresh.***
- *If your access point is set to not broadcast the SSID you can manually add it by clicking the* ***Add*** *button. Follow the on-screen instructions for entering the* ***Name (SSID)*** *and the Channel number.*



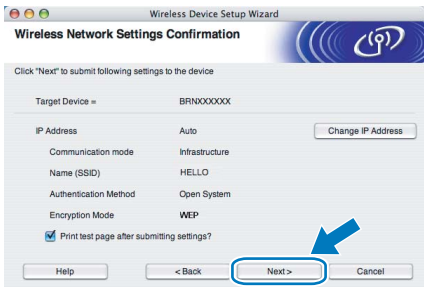
10 If your network is not configured for Authentication and Encryption, the following screen will appear. To continue configuration, click **OK** and go to **12**.

11 If your network is configured for Authentication and Encryption, the following screen will appear. When configuring your Brother wireless printer, you must ensure that it is configured to match the Authentication and Encryption settings of your existing wireless network. Choose the **Authentication Method** and **Encryption Mode** from the pull-downs in each setting box. Then enter the **Network key** and click **Next**.

Note

- *If you want to setup more than WEP key1, click* ***Advanced****.*
- *If you do not know the Authentication or Encryption settings for network, contact your network administrator.*

12 Click **Next**. The settings will be sent to your printer. The settings will remain unchanged if you click **Cancel**.



Note

- *If you want to manually enter the IP address settings of your printer, click* ***Change IP Address*** *and enter the necessary IP address settings for your network.*
- *The control panel settings will be automatically changed to* `WLAN` *when the wireless settings are sent to your printer.*

13 Disconnect the network cable between your access point (hub or router) and the printer, and click **Next**.

Installing the printer driver

Improper Setup

- **DO NOT try to cancel any of the screens during this installation.**
- **If your wireless settings fail, and error message will appear during the installation of the printer driver and the installation will be terminated. If you encounter this failure, please go to step 1 and setup the wireless connection again.**

14 The driver installation starts.

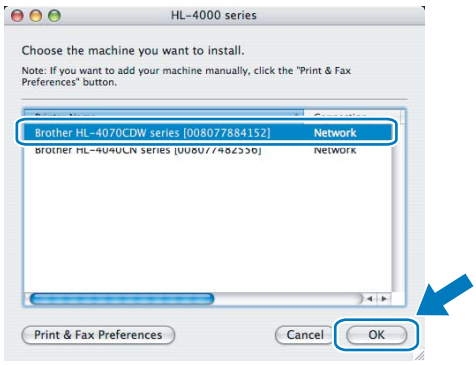
For Mac OS® X 10.3 or greater users:
Go to step **15**.

For Mac OS® X 10.2.4 to 10.2.8 users:
Go to step **17**.

15 The Brother software will search for the Brother printer. During this time the following screen will appear.

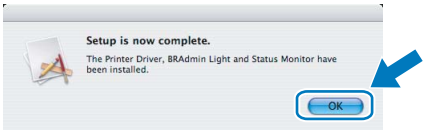
Note

*If more than one printer is available, the following list appears. Choose the printer you wish to connect, and then click **OK**.*



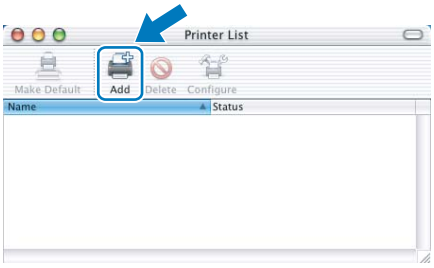
- *If there is more than one of the same printer model connected on your network, the Ethernet address (MAC address) will be displayed after the model name.*

16 When this screen appears, click **OK**.

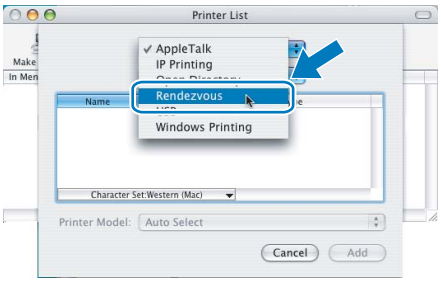


For Mac OS® X 10.3 or greater users: Setup is now complete.

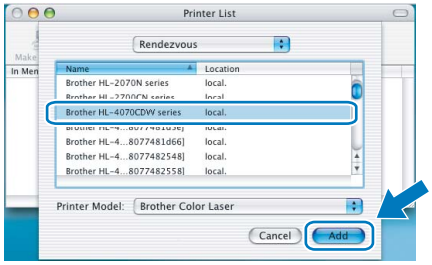
17 When this screen appears, click **Add**.



18 Make the following selection.



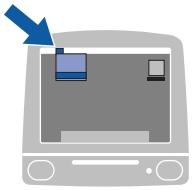
19 Choose your printer, and then click **Add**.

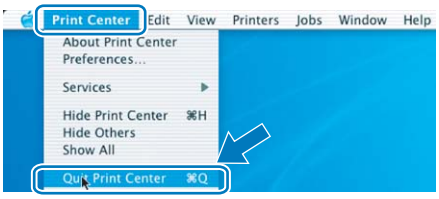


Note

If there is more than one of the same printer model connected on your network, the Ethernet address (MAC address) will be displayed after the model name.

20 Click **Print Center**, then **Quit Print Center**.





For Mac OS® X 10.2.4 to 10.2.8 users: Setup is now complete.

Configuration in Infrastructure mode, using a wireless computer

Before you configure the wireless settings

Important

If you have previously configured the wireless settings of the printer, you must reset the print server back to the default factory settings (see page 61) and enable the WLAN setting from the control panel. See *Enabling the wireless network using the control panel* on this page.

Enabling the wireless network using the control panel

1 Make sure that the printer power switch is on.

2 Press any of the Menu buttons (**+**, **-**, **OK** or **Back**) to take the printer off-line.

```
Ready
```

↓

```
Select ▲▼ or OK
Machine Info.
```

3 Press the **+** or **-** button to select LAN.

```
Select ▲▼ or OK
LAN
```

4 Press **OK** to move to the next menu level.

```
LAN
Wired
```

5 Press the **+** or **-** button to select WLAN.

```
LAN
WLAN
```

6 Press **OK** to move to select the next level.

```
WLAN
TCP/IP
```

7 Press the **+** or **-** button to select WLAN Enable.

```
WLAN
WLAN Enable
```

8 Press **OK** to move to select the next level.

```
WLAN Enable
Off
```

9 Press the **+** or **-** button to select On.

```
WLAN Enable
On
```

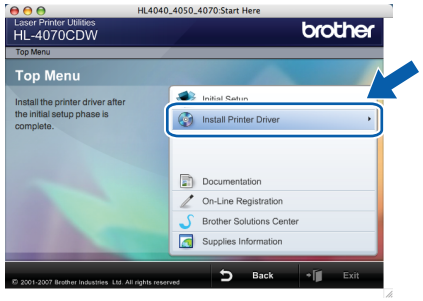
10 Press **OK**.
Accepted appears on the second line of the LCD.

```
WLAN Enable
Accepted
```

OK! **The WLAN setting is enable.**

Configure the wireless settings

1 Click **Install Printer Driver**.



2 Click **Wireless Network users**.

Note

Please see the Network User's Guide on the CD-ROM to install the PS driver (Brother's BR-Script Driver).

3 Choose **Wireless Setup and Driver Install**, and then click **Next**.

4 Read the **Important Notice** and check the box after you confirm this setting, and then click **Next**.

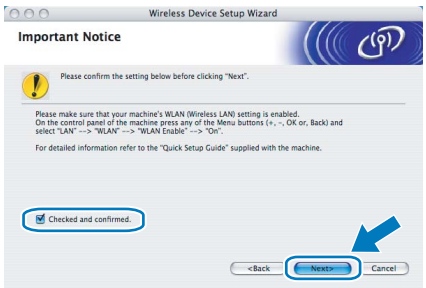
5 Choose **Manual** and then click **Next**.

6 Choose **I'm not able to connect my device to my access point with a network cable** and then click **Next**.

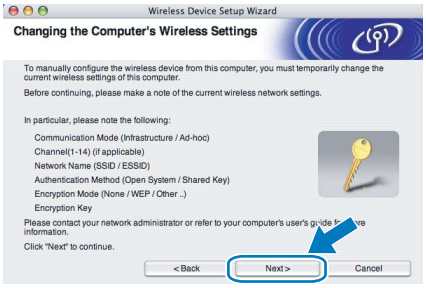
7 If you choose **This computer has wireless capability.**, check **I am using an access point in infrastructure mode**, and then click **Next**. Go to **9**.

If you are using a wired computer, choose **This computer uses a network cable to connect to the wireless network.**, you must configure the wireless settings from the control panel. Click **Next** and see chapter 3 in the Network User's Guide on the CD-ROM.
If you have already completed the wireless settings, click **Next** and go to step **8**.

8 Check the box after you confirm that you have completed the wireless settings, and then click **Next**. Go to *Installing the printer driver* on page 57.



9 You need to temporarily change your computer's wireless settings. Follow the on-screen instructions. Make sure you take notes on all the settings such as SSID or channel of your computer. You will need them to return your computer back to its original wireless settings, and then click **Next**.



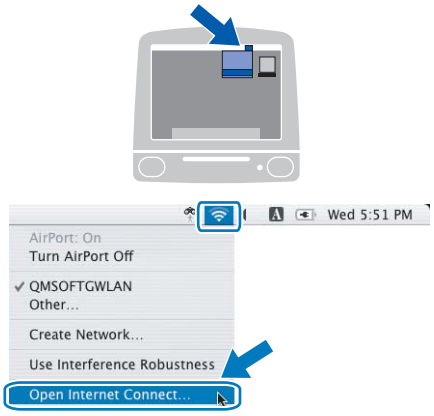
Item	Record the current wireless computer settings
Communication mode: (Infrastructure / Ad-hoc)	
Channel: (1-14)	
Network name: (SSID / ESSID)	
Authentication method: (Open system / Shared key / WPA/WPA2-PSK / LEAP)	
Encryption: (None / WEP / WPA / TKIP / AES/ CKIP)	
Encryption key:	

10 To communicate with the un-configured wireless printer, temporarily change the wireless settings on your computer to match printer's default settings shown on this screen. Check the box after you confirm these settings, and then click **Next**.

Note

You can temporarily change the wireless settings on your computer, following the steps below:

1 *Click the AirPort status icon and select.* ***Open Internet Connect....***



2 *Click the Network tab to see the available wireless devices. You can see the Brother wireless print server in the* ***Network*** *option. Select* ***SETUP****.*

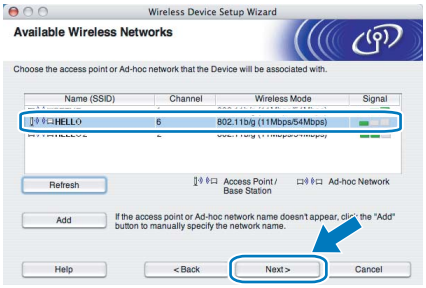
3 *Your wireless network is connected successfully.*

11 Choose the printer you wish to configure, and click **Next**. If the list is blank, check if the access point and the printer are powered on, and then click **Refresh**.

Note

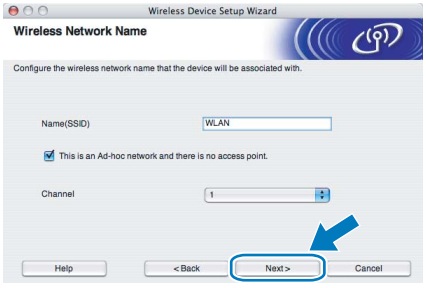
The default Node name is "BRNxxxxxx" for the users that temporarily connect with a network cable, or "BRWxxxxxx" for the users that connect without a network cable (where "xxxxxx" are the last six digits of Ethernet address).

12 The wizard will search for wireless networks available from your printer. Choose the access point you wish to associate the printer with, and then click **Next**.



Note

- *"SETUP" is the default SSID of the printer. Do not choose this SSID.*
- *If the list is blank, check that the access point has power and is broadcasting the SSID, and then see if the printer and the access point are within range for wireless communication. Then, click **Refresh.***
- *If your access point is set to not broadcast the SSID you can manually add it by clicking the **Add** button. Follow the on-screen instructions for entering the **Name (SSID)** and the Channel number.*



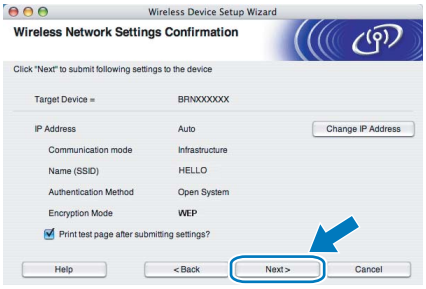
13 If your network is not configured for Authentication and Encryption, the following screen will appear. To continue configuration, click **OK** and go to **15**.

14 If your network is configured for Authentication and Encryption, the following screen will appear. When configuring your Brother wireless printer, you must ensure that it is configured to match the Authentication and Encryption settings of your existing wireless network. Choose the **Authentication Method** and **Encryption Mode** from the pull-downs in each setting box. Then enter the **Network key** and click **Next**.

Note

- *If you want to setup more than WEP key1, click **Advanced**.*
- *If you do not know the Authentication or Encryption settings for network, contact your network administrator.*

15 Click **Next**. The settings will be sent to your printer. The settings will remain unchanged if you click **Cancel**.



Note

- *If you want to manually enter the IP address settings of your printer, click **Change IP Address** and enter the necessary IP address settings for your network.*
- *The control panel settings will be automatically changed to `WLAN` when the wireless settings are sent to your printer.*

16 Using the information you recorded in **9**, return the wireless settings of your computer back to their original settings. Check the box if you confirm this step, and then click **Next**.

Installing the printer driver

Improper Setup

- **DO NOT try to cancel any of the screens during this installation.**
- **If your wireless settings fail, and error message will appear during the installation of the printer driver and the installation will be terminated. If you encounter this failure, please go to step 1 and setup the wireless connection again.**

17 The driver installation starts.

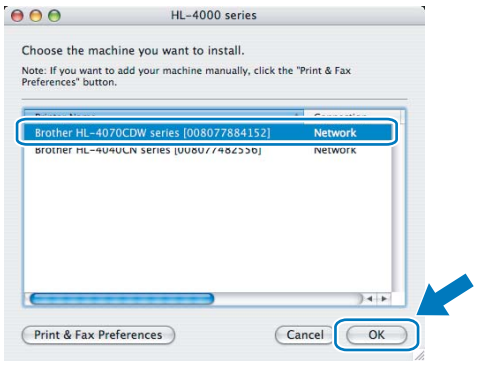
For Mac OS® X 10.3 or greater users:
Go to step **18**.

For Mac OS® X 10.2.4 to 10.2.8 users:
Go to step **20**.

18 The Brother software will search for the Brother printer. During this time the following screen will appear.

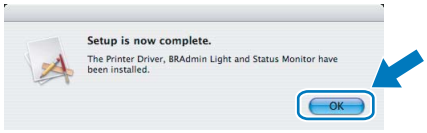
Note

*If more than one printer is available, the following list appears. Choose the printer you wish to connect, and then click **OK**.*



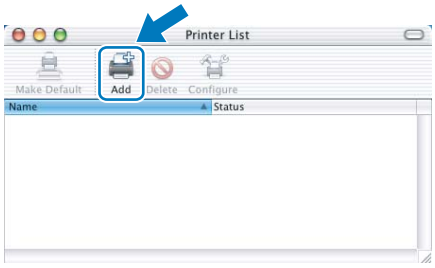
- *If there is more than one of the same printer model connected on your network, the Ethernet address (MAC address) will be displayed after the model name.*

19 When this screen appears, click **OK**.

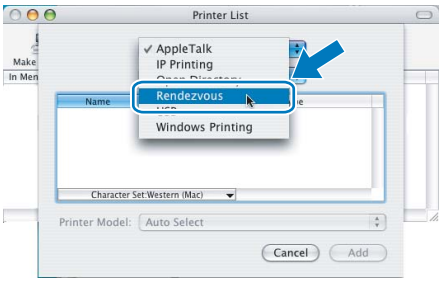


OK! **For Mac OS® X 10.3 or greater users: Setup is now complete.**

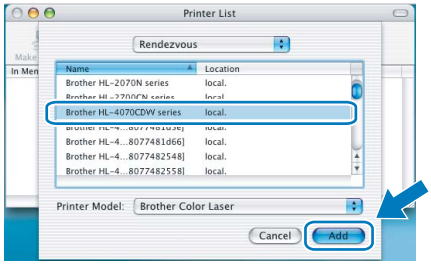
20 When this screen appears, click **Add**.



21 Make the following selection.



22 Choose your printer, and then click **Add**.



Note

If there is more than one of the same printer model connected on your network, the Ethernet address (MAC address) will be displayed after the model name.

23 Click **Print Center**, then **Quit Print Center**.

OK! **For Mac OS® X 10.2.4 to 10.2.8 users: Setup is now complete.**

BRAdmin Light utility (For Windows® users)

The BRAdmin Light is a utility for initial setup of Brother network connected devices. It can also search for Brother products on your network, view the status and configure basic network settings, such as IP address.
For more information on BRAdmin Light, visit us at http://solutions.brother.com.

Note

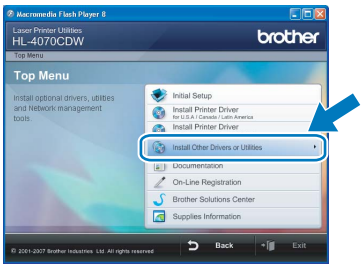
- *If you require more advanced printer management, use the latest Brother BRAdmin Professional utility version that is available as a download from http://solutions.brother.com.*
- *If you are using Personal Firewall software (e.g. Windows Firewall), disable it. Once you are sure that you can print, re-start your Personal Firewall software.*

Installing the BRAdmin Light configuration utility

Note

*The default password for the print server is '**access**'. You can use BRAdmin Light to change this password.*

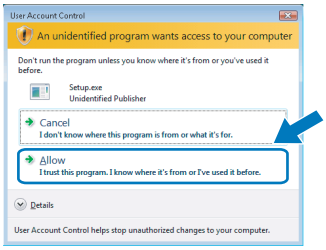
1 Click **Install Other Drivers or Utilities** on the menu screen.



2 Click **BRAdmin Light** and follow the on-screen instructions.

Note

*For Windows Vista™, when the User Account Control screen appears, click **Allow**.*

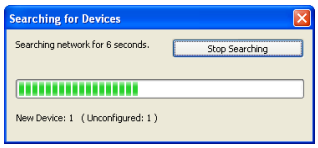


Setting your IP address, Subnet Mask and Gateway using BRAdmin Light

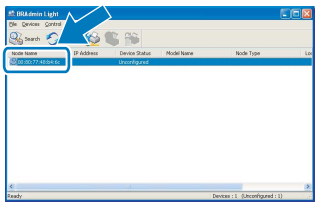
Note

If you have a DHCP/BOOTP/RARP server in your network, you don't have to do the following operation. Because the print server will automatically obtain its IP address.

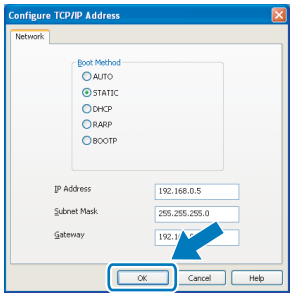
1 Start BRAdmin Light. It will search for new devices automatically.



2 Double-click the unconfigured device.



3 Choose **STATIC** for the **Boot Method**. Enter the **IP Address**, **Subnet Mask** and **Gateway**, and then click **OK**.



4 The address information will be saved to the printer.

BRAdmin Light utility (For Mac OS® X users)

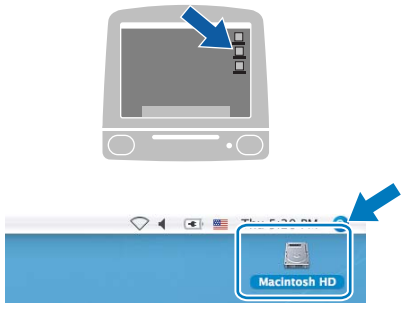
The BRAdmin Light is a utility for initial setup of Brother network connected devices. It can also search for Brother products on your network, view the status and configure basic network settings, such as IP address from a computer running Mac OS® X 10.2.4 or greater.
The BRAdmin Light software will be installed automatically when you install the printer driver. If you have already installed the printer driver, you don't have to install it again. For more information on BRAdmin Light, visit us at http://solutions.brother.com.

Setting your IP address, Subnet Mask and Gateway using BRAdmin Light

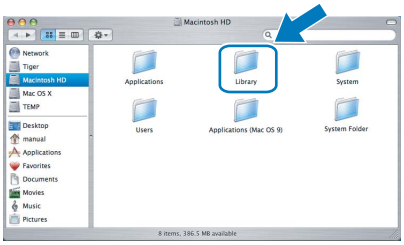
Note

- *If you have a DHCP/BOOTP/RARP server in your network, you don't have to do the following operation. The print server will automatically obtain its own IP address.*
- *Make sure that version 1.4.1_07 or later of Java™ client software is installed on your computer.*
- *The default password for the print server is '**access**'. You can use BRAdmin Light to change this password.*

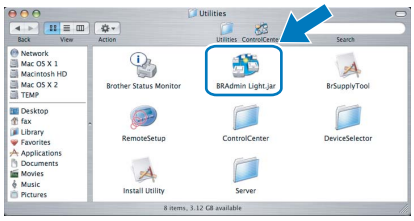
1 Double-click the **Macintosh HD** icon on your desktop.



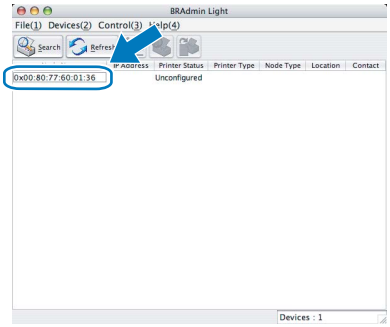
2 Choose **Library**, **Printers**, **Brother** and then **Utilities**.



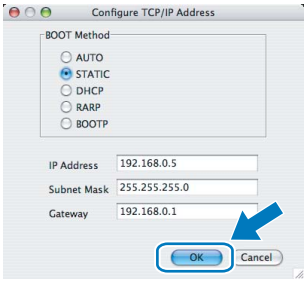
3 Double click the file **BRAdminLight.jar** and run the software. BRAdmin Light will then search for new devices automatically.



4 Double-click the unconfigured device.



5 Choose **STATIC** for the **BOOT Method**. Enter the **IP Address**, **Subnet Mask** and **Gateway**, and then click **OK**.



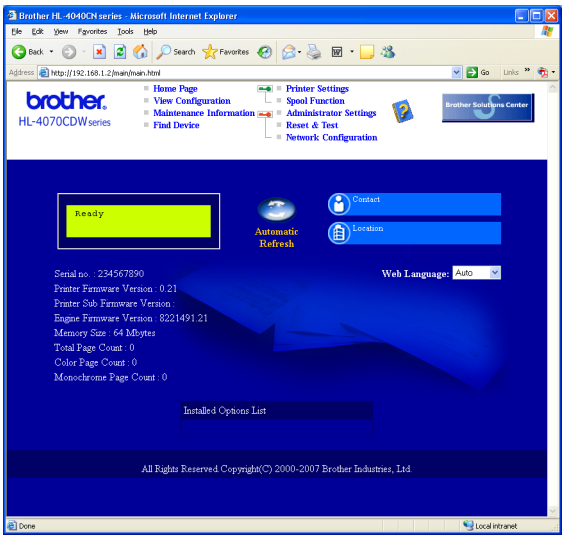
6 The address information will be saved to the printer.

Web Based Management (web browser)

The Brother print server is equipped with a web server that allows you to monitor its status or change some of its configuration settings, using HTTP (Hyper Text Transfer Protocol).

Note

- *The User Name is '**admin**' and the default password is '**access**'. You can use a web browser to change this password.*
- *We recommend Microsoft Internet Explorer 6.0® (or higher) or Firefox® 1.0 (or higher) for Windows® and Safari™ 1.0 for Macintosh®. Please also make sure that JavaScript and Cookie are always enabled in whichever browser you use. We recommend you upgrade to Safari™ 1.2 or higher to enable JavaScript. To use a web browser, you will need to know the IP address of the print server.*



1 Type `http://printer_ip_address/` into your browser.
(Where `printer_ip_address` is the IP address or the print server name)

■ For example: http://192.168.1.2/
(if the printer's IP address is 192.168.1.2.)

See Chapter 2 of the Network User's Guide.

Network default settings

To restore all network settings of the internal print server to default, follow the steps below.

1 Press the **+** or **–** button to choose `LAN`.
Press **OK**.

```
Select ▲▼ or OK
LAN
```

2 Press the **+** or **–** button to choose `Factory Reset`.
Press **OK**.

```
LAN
Factory Reset
```

3 Press **OK** again.

```
Factory Reset
OK?
```

Print the Printer Settings Page

The Printer Settings Page lists all the current printer settings, including network settings. To print the printer settings page:

1 Press the **+** or **–** button to choose `Machine Info.`.
Press **OK**.

```
Select ▲▼ or OK
Machine Info.
```

2 Press **OK** again.

```
Machine Info.
Print Settings
```

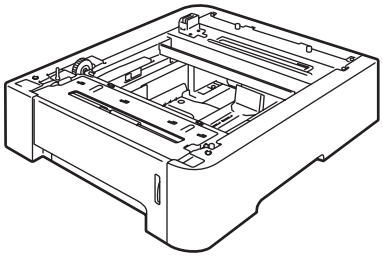
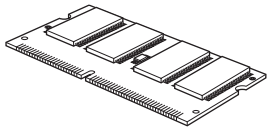
3 Press **OK** again to print the Printer Settings Page.

Consumables and Options

Options

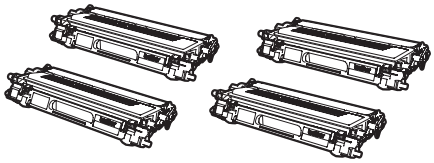
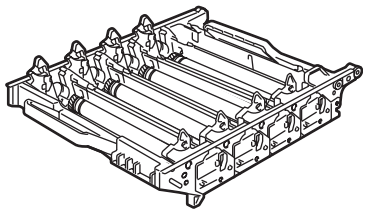
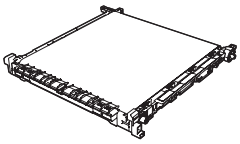
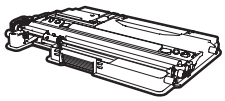
The printer has the following optional accessories. You can expand the capabilities of the printer by adding these items.

See Chapter 5 of the User's Guide on the CD-ROM.

Lower tray unit LT-100CL	DIMM memory
 The lower paper tray unit can hold up to 500 sheets of paper. When the lower tray unit is installed, the printer expands total input capacity up to 800 sheets.	 You can expand the memory by installing the (144-pin DIMM) memory module.

Consumables

When the time comes to replace consumable items, an error message will be indicated on the LCD.
For more information about the consumables for your printer, visit us at http://solutions.brother.com or contact your local Brother reseller.

Toner cartridge	Drum unit
	
Belt unit (BU-100CL)	**Waste toner box (WT-100CL)**
	

See Chapter 6 of the User's Guide on the CD-ROM.

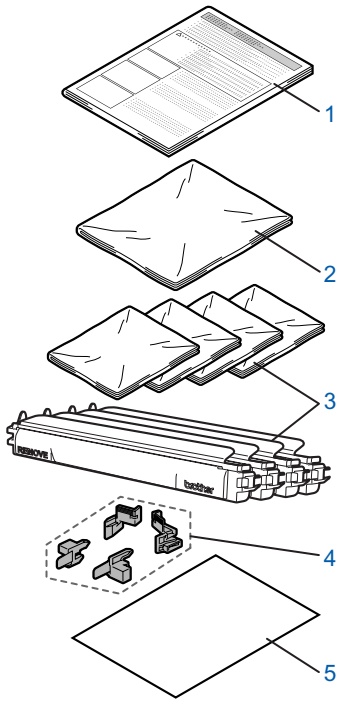
Shipment of the printer

Caution

- Once your printer has been set up and used, we do not recommend that it be moved or shipped unless absolutely necessary.
- Color laser printers are complex printing devices. Moving the printer or shipping it without properly removing the installed supplies can result in SEVERE damage to the printer. As a result, your printer may not operate properly afterwards.
- If the printer must be shipped, see Repacking Instructions on this page, for step-by-step instructions on how to properly prepare your printer for transport.
- Failure to properly prepare the printer for shipping according to the instructions on this page may VOID YOUR WARRANTY.
- If for any reason you must move or ship your printer, carefully re-pack the printer in the original packing material to avoid any damage during transport. The printer should also be adequately insured with the shipping company you choose.

Repacking Instructions

Make sure that you have the following parts for repacking:



1 Insertion sheet for repacking

2 Plastic bag for the waste toner box

3 Orange protective cover, Plastic bag that the toner cartridge originally came in (4 pieces of each)

4 Orange packing material for locking the drum unit and the belt unit (4 pieces)

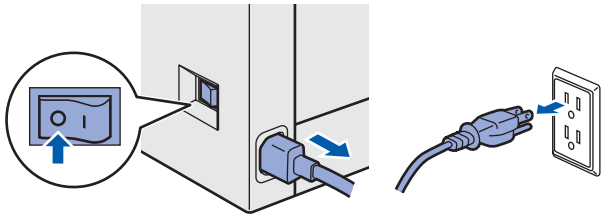
5 A piece of paper (letter or A4) (Please prepare by yourself.)

Repacking the printer

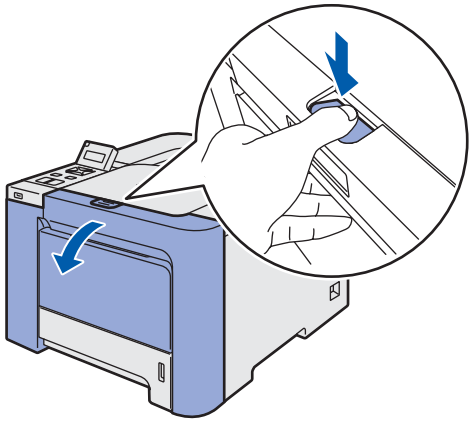
Warning

This printer is heavy and weights approximately 64.2 lb. (29.1 kg). To prevent injuries use at least two people to lift the printer. Be careful not to pinch your fingers when you put the printer down.

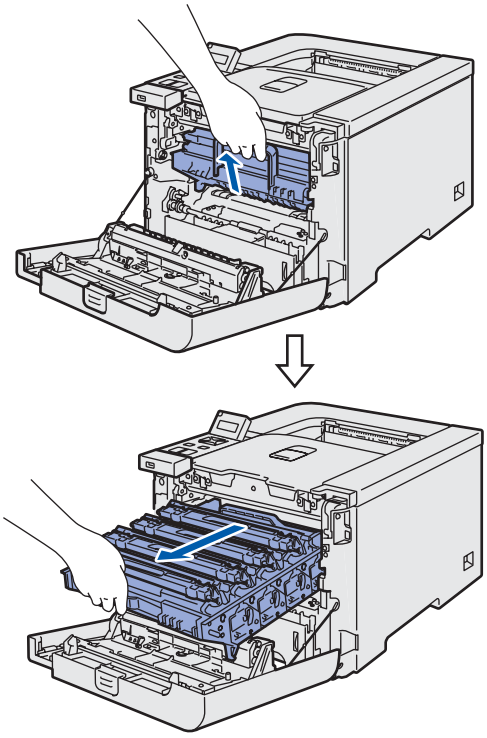
1 Turn off the power switch, and unplug all the cables from the printer.



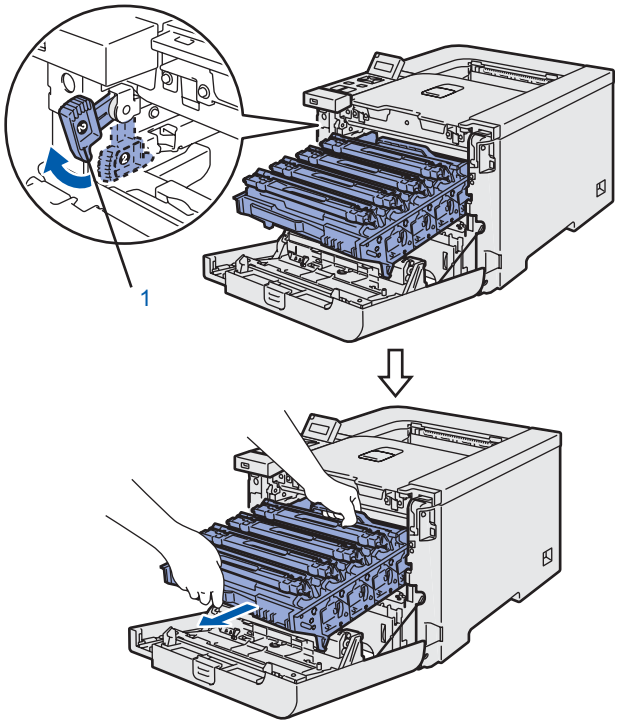
2 Press the front cover release button and then open the front cover.



3 Hold the green handle of the drum unit. Lift the drum unit up and then pull it out until it stops.

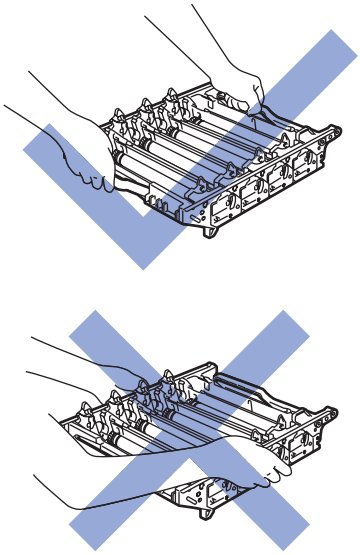


4 Release the gray lock lever (1) that is on the left side of the printer. Pull the drum unit completely out using the green handles on the drum unit.

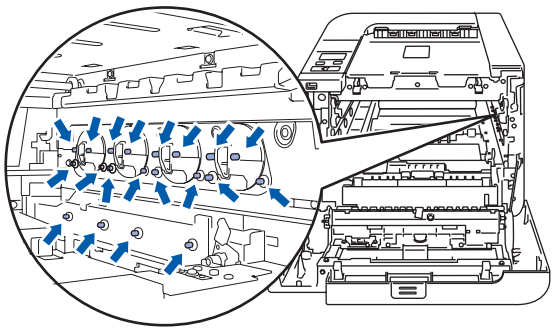


Caution

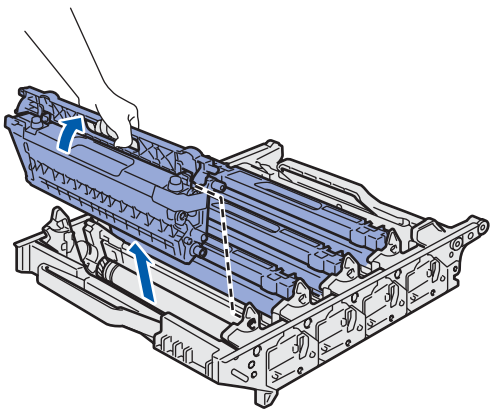
- Hold the green handles of the drum unit when you carry it. DO NOT hold the sides of the drum unit.



- We recommend that you place the drum unit on a clean, flat surface with a piece of disposable paper underneath it in case you accidentally spill or scatter toner.
- To prevent damage to the printer from static electricity, DO NOT touch the electrodes shown in the illustration.

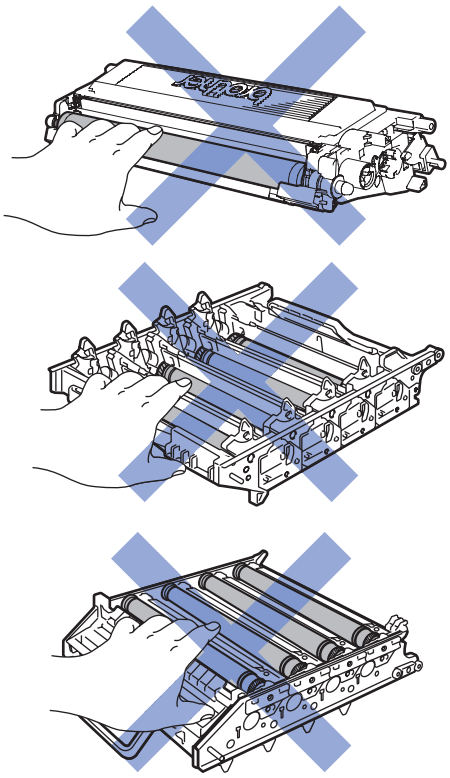


5 Hold the handle of the toner cartridge and pull it out of the drum unit. Repeat this for all the toner cartridges.

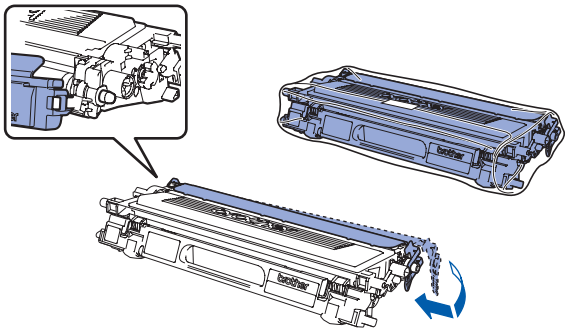


Caution

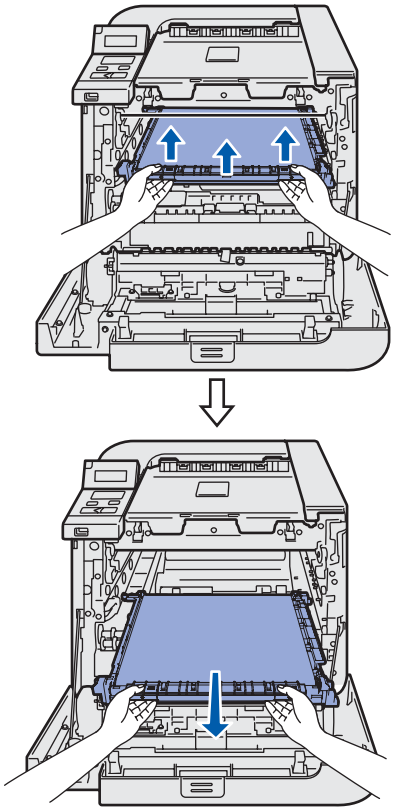
To avoid print quality problems, DO NOT touch the shaded parts shown in the illustrations.



6 Attach the original orange protective cover to each of the toner cartridges. Place each of the toner cartridges into the plastic bag included in the carton.



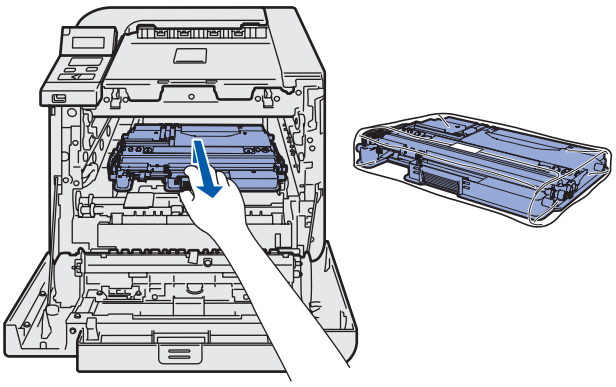
7 Hold the green parts of the belt unit with both hands and lift the belt unit up, then pull it out.



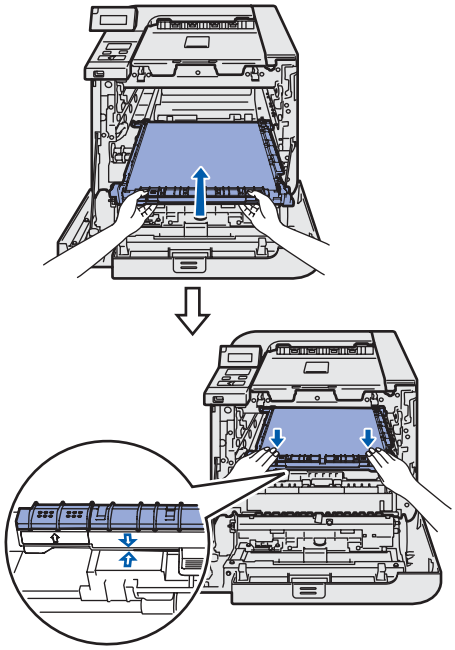
Note

We recommend that you put the belt unit on a clean, flat surface with a piece of disposable paper underneath it in case you accidentally spill or scatter toner.

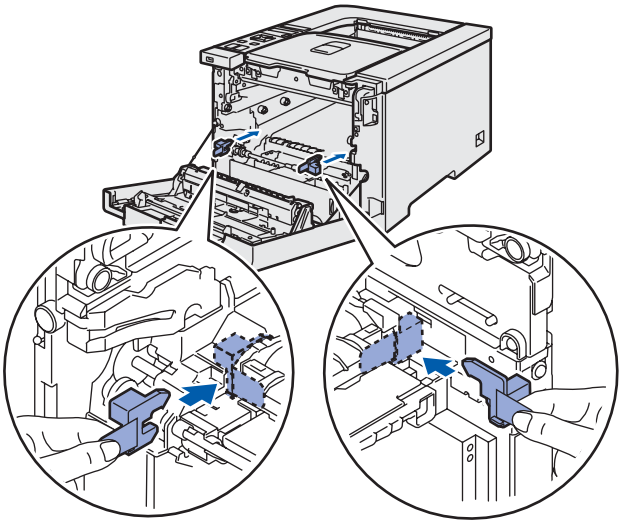
8 Remove the waste toner box from the printer using the green handle and place it into the plastic bag included in the carton.



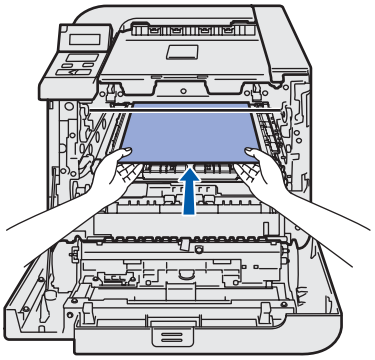
9 Put the belt unit back in the printer. Match the ↓ mark on the belt unit to the ↑ mark on the printer.
Push down on the green area of the belt unit to lock it in place.



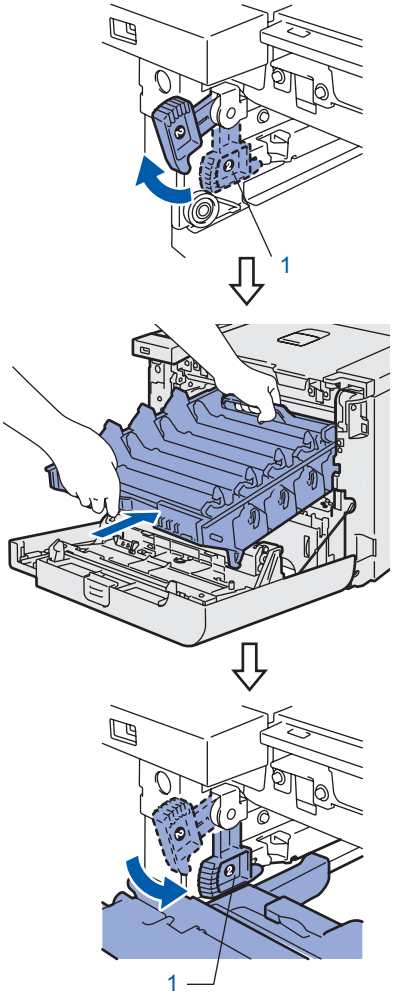
10 Insert the original orange packing material for locking the belt unit as shown in the illustration



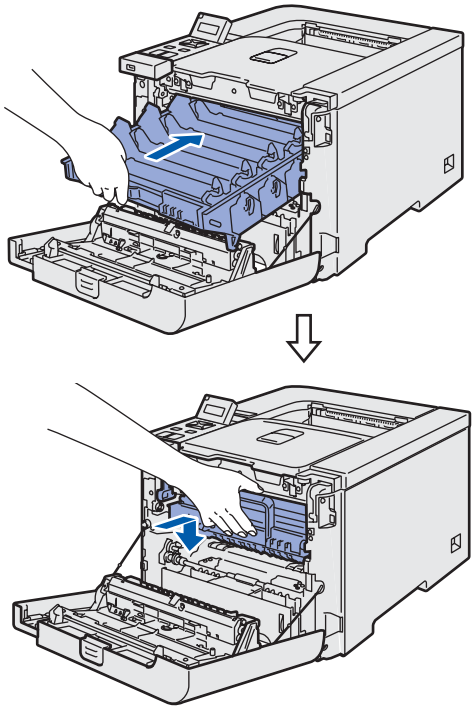
11 Put a piece of paper (letter or A4) on the belt unit to prevent damage to the belt unit.



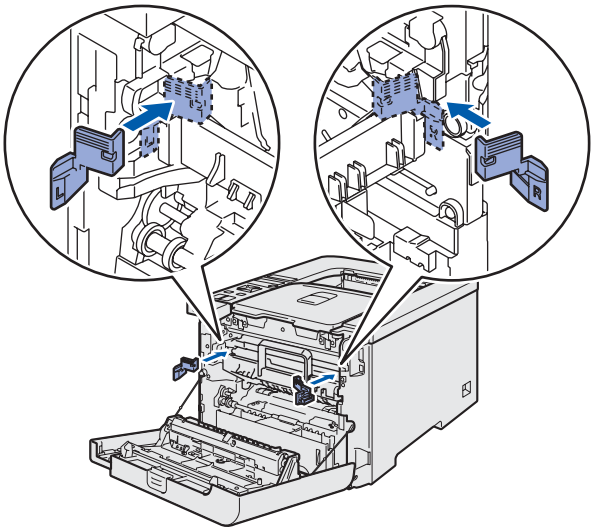
12 Make sure that the gray lock lever (1) is in the up position and put the drum unit in the printer. Push down the gray lock lever (1).



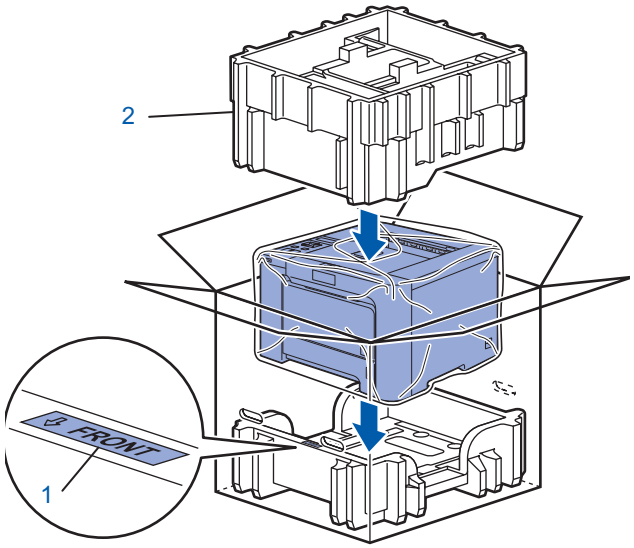
13 Push the drum unit in until it stops.



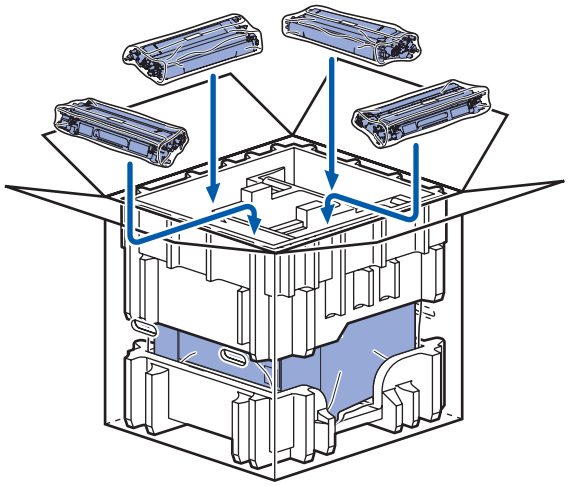
14 Insert the original orange packing material for the drum unit as shown in the illustration, and then close the front cover.



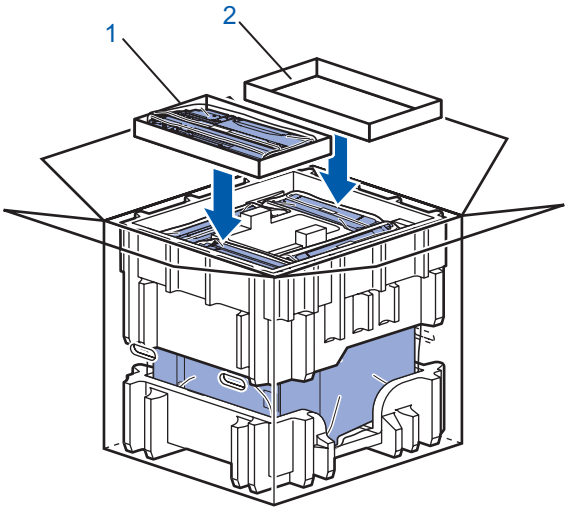
15 Two people should place the printer into the plastic bag and put the printer and the Styrofoam pieces into the carton. Match the front side of the printer to the “FRONT” mark (1) on the Styrofoam pieces. Put the Styrofoam piece for the toner cartridges (2) on top of the printer.



16 Put the toner cartridges into the Styrofoam piece.



17 Put the two carton trays (1) (2) on the top and put the waste toner box in the tray placed towards the front side of the printer (1).



18 Close the carton and tape it shut.

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