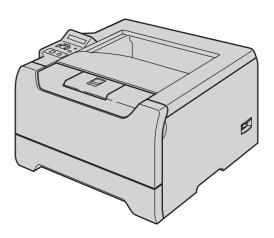
HL-5270DN



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.



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.
Marcoper 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.	

Trademarks

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Compilation and Publication

This manual has been compiled and published, under the supervision of Brother Industries Ltd., covering the latest product descriptions and specifications.

The contents of this manual and the specifications of this product are subject to change without notice.

Brother reserves the right to make changes without notice in the specifications and materials contained herein and shall not be responsible for any damages (including consequential) caused by reliance on the materials presented, including but not limited to typographical and other errors relating to the publication.

This product is designed for use in a professional environment.

Safety Precautions	
Getting Started	
What is in the box?	i
Put the CD-ROM into the CD-ROM drive))
Windows® For USB interface cable users (Windows® 98/Me/2000/XP only)	
Macintosh [®]	
For USB interface cable users	
Repacking Information	
Shipment of the printer	

Q User's Guide Chapter 7



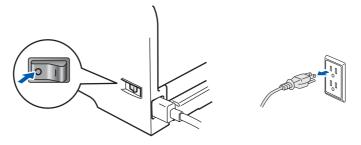
To Use the Printer Safely

$oldsymbol{\Lambda}$

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.





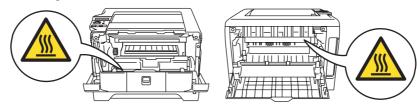
After you have just used the printer, some internal parts of the printer will be extremely hot. DO NOT touch the shaded parts shown in the illustration when you open the front or back cover of the printer.





Open the back cover (Back View)

DO NOT remove or damage the caution labels located on or around the fuser.





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.



DO NOT use flammable substances near the printer. Doing this might cause a fire or electrical shock.



Regulations

Important

A shielded interface cable should be used in order to ensure compliance with the limits for a Class B digital

Changes or modifications not expressly approved by Brother Industries, Ltd. could void the user's authority to operate the equipment.

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



EC Declaration of Conformity

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

<u>Plant</u> Brother Corporation (Asia) Ltd. Brother Buji Nan Ling Factory Gold Garden Ind., Nan Ling Village, Buji, Rong Gang, Shenzhen, China

Herewith declare that:

Product description : Laser Printer
Product Name : HL-5270DN
Model Number : HL-52

are in conformity with provisions of the Directives applied : Low Voltage Directive 78/23/EEC (as amended by 93/68/EEC) and the Electromagnetic Compatibility Directive 89/336/EEC (as amended by 91/263/EEC and 92/31/EEC and 93/68/EEC).

Standards applied: Harmonized: Safety : EN60950-1:2001

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

Year in which CE marking was first affixed : 2005

: Nagoya, Japan

: Brother Industries, Ltd : 1st June, 2005 Date

Tokasho Maeda

Takashi Maeda

Manager Quality Management Group Quality Management Dept. Information & Document Company

Caution

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

IEC 60825-1 specification (220 to 240 volt model

This printer is a Class 1 laser product as defined in IEC 60825-1 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.

Internal laser radiation

5 mW Maximum

radiation power:

Wave length: 770 - 810 nm Laser class: Class 3B

Safety Precautions

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 threepin 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.

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.

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

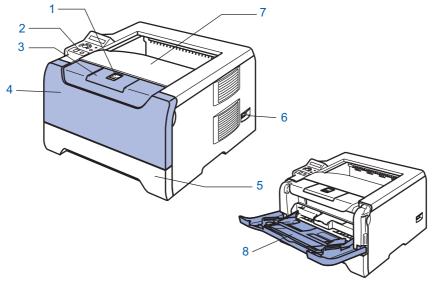
If in any doubt, call a qualified electrician.



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.



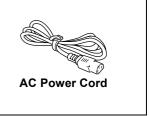
- 1 Front Cover Release Button
- 2 Control panel
- 3 Face-down output tray support flap (Support flap)
- 4 Front cover

- 5 Paper tray
- 6 Power switch
- 7 Face-down output tray
- 8 Multi -purpose tray (MP tray)









The interface cable is not a standard accessory. Buy the proper interface cable for the interface you want to use (USB, Parallel or Network).

■ 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 PC.

USB is not supported under Windows® 95 or Windows NT® 4.0.

■ Parallel interface

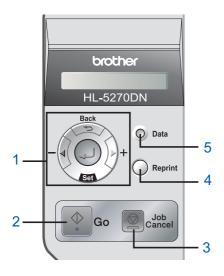
Do not use a parallel interface cable that is longer than 6 feet (2.0 meters).

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

+

Move forward through menus.

_

Move backward through menus.

■ Set

Choose the control panel menu. Select the chosen menus and settings.

■ Back

Go back one level in the menu structure.

2 Go button

Exit from the control panel menu and reprint setting. Clear error messages.

Pause and Continue printing.

3 Job Cancel button

Stop and cancel the print operation in progress.

4 Reprint button

Choose the reprint menu and the number of extra copies (1-999).

It is recommended that you increase the RAMDISK size when you want to use the Reprint functions.

5 Data LED: Orange

■ On

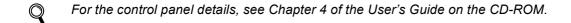
Data is in the printer memory.

Blinking

Receiving / processing data or cooling down the printer.

■ Off

No remaining data in the memory.





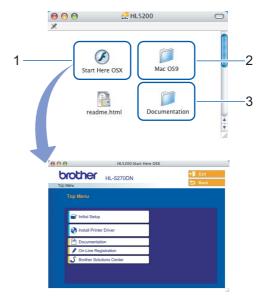
Supplied CD-ROM

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

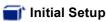
Windows[®]



Macintosh[®]



- ¹ Mac OS[®] X 10.2.4 or greater Users
- Mac OS[®] 9.1 to 9.2 Users
 The menu screen is not supported by Mac OS[®] 9.1 to 9.2.
- View the User's Guide and Network User's Guide in PDF format. (See Documentation below.)



Instructional movie for printer setup.



Install the printer driver.



Install optional drivers, utilities and Network management tools.



View the Printer User's Guide and Network User's Guide in PDF format (Viewer included).

You can also view the User's Guide in HTML format by accessing the Brother Solutions Center.

The User's Guide in PDF format will be installed automatically when you install the driver. (For Windows[®] users only) Click the **Start** button, **Programs** ¹, your printer (e.g. Brother HL-5270DN), 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 Guide in PDF format** when you install the driver.

¹ All Programs for Windows[®] XP users



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 needs. Download the latest drivers and utilities for your printers, read FAQs and troubleshooting tips, or learn about printer solutions.



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.



Put the CD-ROM into the CD-ROM drive

For Windows® users

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



Put the supplied CD-ROM into your CD-ROM drive. The opening screen will appear automatically.
Choose your printer model and the language.



Click Initial Setup on the menu screen.



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



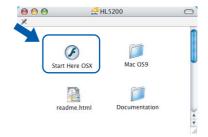
For Macintosh® users

Name of the last o

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



For Mac OS® 9.1 to 9.2 Users, go to next page. For Mac OS® 10.2.4 or greater Users, put the supplied CD-ROM into your CD-ROM drive, and then double-click the **HL5200** icon on your desktop. Double-click the **Start Here OS X** icon. Follow the on-screen instructions.



2 Click Initial Setup on the menu screen.



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

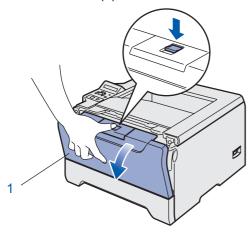


Setting Up the Machine

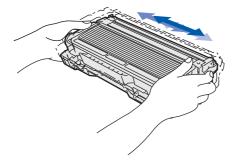
- Install the drum unit and toner cartridge assembly
- Improper Setup
 DO NOT connect the interface cable yet.



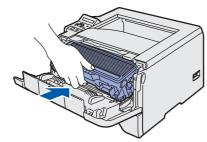
Press the front cover release button and open the front cover (1).



- Unpack the drum unit and toner cartridge assembly.
- Rock it from side to side several times to distribute the toner evenly inside the assembly.



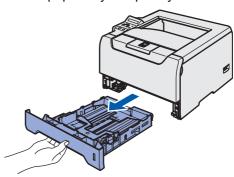
Put the drum unit and toner cartridge assembly into the printer.



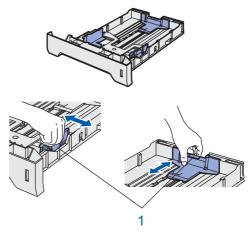
5 Close the front cover of the printer.

3 Load paper in the paper tray

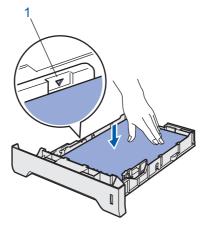
Pull the paper tray completely out of the printer.



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



- Fan the stack of paper well to avoid paper jams and misfeeds.
- Put paper in the paper tray. Make sure that the paper is flat in the tray and below the maximum paper mark (1).



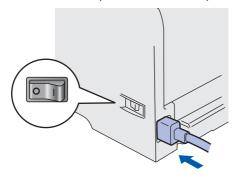
5 Put the paper tray firmly back in the printer.

Setting Up the Machine

4 Print a test page



Make sure that the printer power switch is off. Connect the AC power cord to the printer.



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

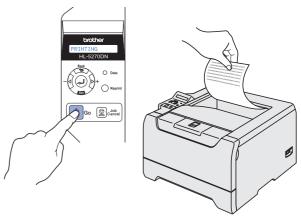




After the printer has finished warming up, the LCD shows READY.



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





This function will not be available after the first print job you send from your PC.

5 Setting your language on the control panel



Press the + button until the LCD shows SETUP.
Press Set.

SETUP

2 Press **Set** again.

LANGUAGE

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

=ENGLISH

Now go to

Go to the next page to install the driver.

STEP 2 Installing the Printer Driver

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

Windows[®]







For Windows® XP Professional x64 Edition users, visit http://solutions.brother.com for driver downloads and installation



For USB interface cable users (Windows® 98/Me/2000/XP only) 12





For network interface cable users

Macintosh®



For USB interface cable users 16



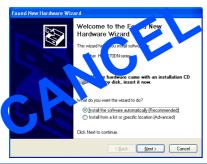
For network interface cable users	18
For Mac OS [®] X 10.2.4 or greater users	18



For USB interface cable users (Windows® 98/Me/2000/XP only)

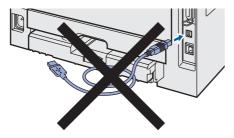


If the **Found New Hardware Wizard** appears on your PC, click **Cancel**.



Installing the driver and connecting the printer to your PC

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.

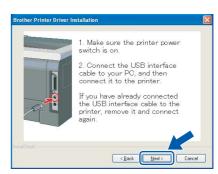


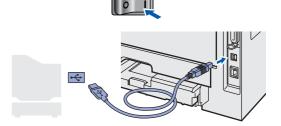
Click Install Printer Driver on the menu screen.



- Click USB cable users.
- When the License Agreement window appears, click **Yes** if you agree to the License Agreement.

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





6 Click Finish.



If you want to register your product on-line, check **On-Line Registration**.

OK!

For Windows[®] 98/Me users, the setup is now complete.

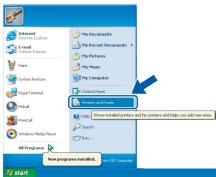
Now go to

For Windows[®] 2000/XP users, go to 'Setting Your Printer as the Default Printer'.

Setting your printer as the default printer (For Windows® 2000/XP only)

Click the Start button and then Printers and Faxes.





2 Choose the Brother Printer icon.



3 Click File, and then Set as Default printer.



For parallel interface cable users



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



Connecting the printer to your PC and installing the driver

1 Click Install Printer Driver on the Menu screen.

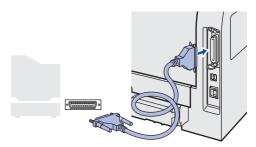


- Click Parallel cable users.
- When the License Agreement window appears, click **Yes** if you agree to the License Agreement.
- 4 Click Finish.



If you want to register your product on-line, check **On-Line Registration**.

- 5 Turn off the printer power switch.
- Connect the parallel interface cable to your PC, and then connect it to your printer.



- 7 Turn on the printer power switch.
- The setup is now complete.



For network interface cable users

For Brother Peer-to-Peer network printer users (LPR/NetBIOS)



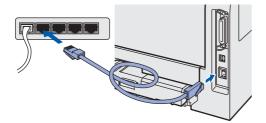
- If you are going to connect the printer to your network, we recommend that you contact your system administrator prior to installation or see the Network User's Guide.
- · Before installation, if you are using Personal Firewall software (e.g. the Internet Connection Firewall available in Windows XP), disable it. Once you are sure that you can print, restart your Personal Firewall software.
- · Peer-to-peer print with NetBIOS is not available for Windows® XP x64 Edition.

Connecting the printer to your network and installing the driver

Click Install Printer Driver on the menu screen.



- Click Network cable users.
- Turn off the printer power switch.
- Connect the network interface cable to the printer, and then connect it to a free port on your hub.



- Turn on the printer power switch.
- When the License Agreement window appears, click Yes if you agree to the License Agreement.

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

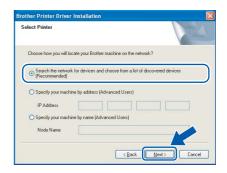


8 For LPR Users:

> 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.

For NetBIOS Users:

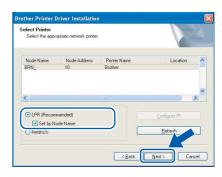
Choose Search the network for devices and choose from a list of discovered devices (Recommended). Click Next.





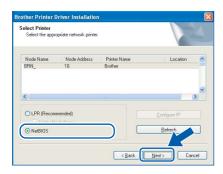
Contact your administrator if you do not know the printer's IP address or node name.

For LPR Users: Choose your printer and choose LPR (Recommended), and then click Next.



For NetBIOS Users:

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



10 Click Finish.



If you want to register your product on-line, check **On-Line Registration**.



For Windows NT[®] 4.0 and Windows[®] 2000/XP users, the setup is now complete.



For Windows[®] 95/98/Me users, the setup will be complete after your PC has restarted.

For shared network printer users



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 printer prior to installation.

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

Click Install Printer Driver on the menu screen.



- 2 Click Network cable users.
- When the License Agreement window appears, click **Yes** if you agree to the License Agreement.
- Choose Network Shared Printer, and then click Next.



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







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

6 Click Finish.





If you want to register your product on-line, check **On-Line Registration**.



The setup is now complete.



For USB interface cable users

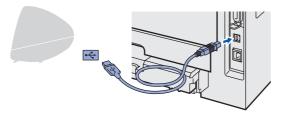
For Mac OS® X 10.2.4 or greater users

Connecting the printer to your $\mathsf{Macintosh}^{\texttt{®}}$ and installing the driver

1 Click Install Printer Driver on the menu screen.



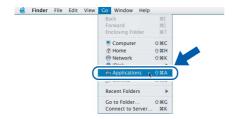
- Click **USB cable users** and follow the on-screen instructions. Then, restart your Macintosh[®].
- Connect the USB interface cable to your Macintosh®, and then connect it to the printer.



⊘ Improper Setup

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

- 4 Make sure the printer power switch is on.
- 5 Click Go, then Applications.



6 Double-click the **Utilities** folder.

7 Double-click the Printer Setup Utility icon.

Note

For Mac OS[®] X 10.2 users, open the **Print Center** icon.

Click Add.



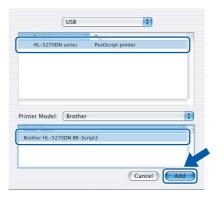
For Mac OS® 10.2.4 to 10.3 users: Go to the next step.

For Mac OS® 10.4 or greater users: Go to Step 10.

9 Choose USB.



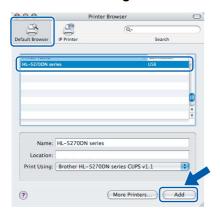
10 Choose the proper printer, and then click Add. For Mac OS® 10.2 users:



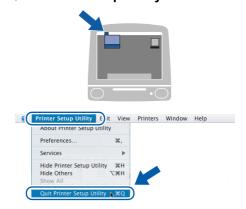
For Mac OS® 10.3 users:



For Mac OS® 10.4 or greater users:



11 Click Printer Setup Utility, then Quit Printer Setup Utility.



OK! The setup is now complete.

For Mac OS® 9.1 to 9.2 users

Connecting the printer to your $\mathsf{Macintosh}^{\texttt{®}}$ and installing the driver

1 Put the supplied CD-ROM into your CD-ROM drive. Double-click the **Mac OS 9** folder.



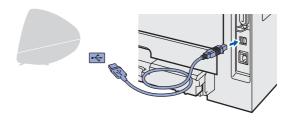
Double-click your language folder.



Double-click the **Printer Driver Installer** icon to install the printer driver. Follow the on-screen instructions and restart your Macintosh[®].



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.

5 Make sure the printer power switch is on.



From the **Apple**® menu, click **Chooser**.





Click the **Brother Laser** icon. On the right side of the **Chooser**, choose the printer to which you want to print. Close the **Chooser**.



OK! TI

The setup is now complete.

For network interface cable users

For Mac OS® X 10.2.4 or greater users

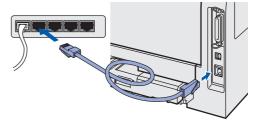
Connecting the printer to your $\mathbf{Macintosh}^{@}$ and installing the driver

Click Install Printer Driver on the menu screen.

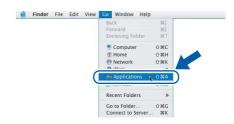


- Click **Network cable users** and follow the on-screen instructions. Then, restart your Macintosh[®].
- Turn off the printer power switch.

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 Click Go, then Applications.



- 7 Double-click the Utilities folder.
- Bouble-click the Printer Setup Utility icon.



For Mac $OS^{\otimes} X$ 10.2 users, open the **Print Center** icon.

9 Click Add.



For Mac OS® 10.2.4 to 10.3 users: Go to the next step.

For Mac OS® 10.4 or greater users: Go to Step 12.

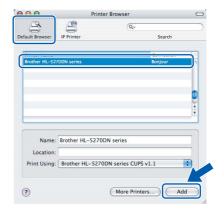
10 Make the following selection.



11 Choose Brother HL-5270DN series, and then click Add. Go to Step 13.



12 Choose Brother HL-5270DN series, and then click Add.





If there is more than one of the same model printer (HL-5270DN) connected on your network, the Ethernet address (MAC address) will be displayed after the model name.

Q

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13 Click Printer Setup Utility, then Quit Printer Setup Utility.

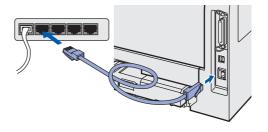


For Mac OS® 9.1 to 9.2 users

Connecting the printer to your $Macintosh^{\circledR}$ and installing the driver

1 Turn off the printer power switch.

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



- Turn on the printer power switch.
- 4 Put the supplied CD-ROM into your CD-ROM drive. Double-click the **Mac OS 9** folder.



5 Double-click your language folder.



Double-click the **Printer Driver Installer** icon to install the printer driver. Follow the on-screen instructions.

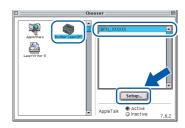


7 From the Apple® menu, click Chooser.





Click the **Brother Laser (IP)** icon, and then choose **BRN_xxxxxx** (where xxxxxx are the last six digits of the Ethernet address). Click **Setup...**.



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- Click **OK**.
 Close the **Chooser**.



The setup is now complete.

Repacking Information



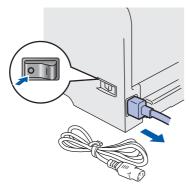
Shipment of the printer

If for any reason you must ship your printer, carefully package the printer to avoid any damage during transit. We recommend that you save and use the original packaging. The printer should also be adequately insured with the carrier.

Caution

When shipping the printer, the DRUM UNIT and TONER CARTRIDGE assembly must be removed from the printer and put in a plastic bag. Failure to remove the unit and put it in a plastic bag before shipping may cause severe damage to the printer and may VOID THE WARRANTY.

Turn off the printer power switch, and then unplug the AC power cord.



Remove the drum unit and toner cartridge assembly. Put it in a plastic bag and seal the bag completely.



3 Repack the printer.

