Quick Setup Guide HL-5030/5040/5050 series

brother

**Read this Quick Setup Guide before using the printer.**
Before you can use the printer, you must set up the hardware and install the driver.

Step 1
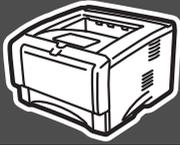
Setting Up Your Printer

Step 2

Installing the Driver

Windows®

Macintosh®

| USB | Parallel | USB |

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page 14
(Not available on HL-5030)

Mac®
OS 8.6 – 9.2

Mac®
OS X 10.1 – 10.2
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page 17
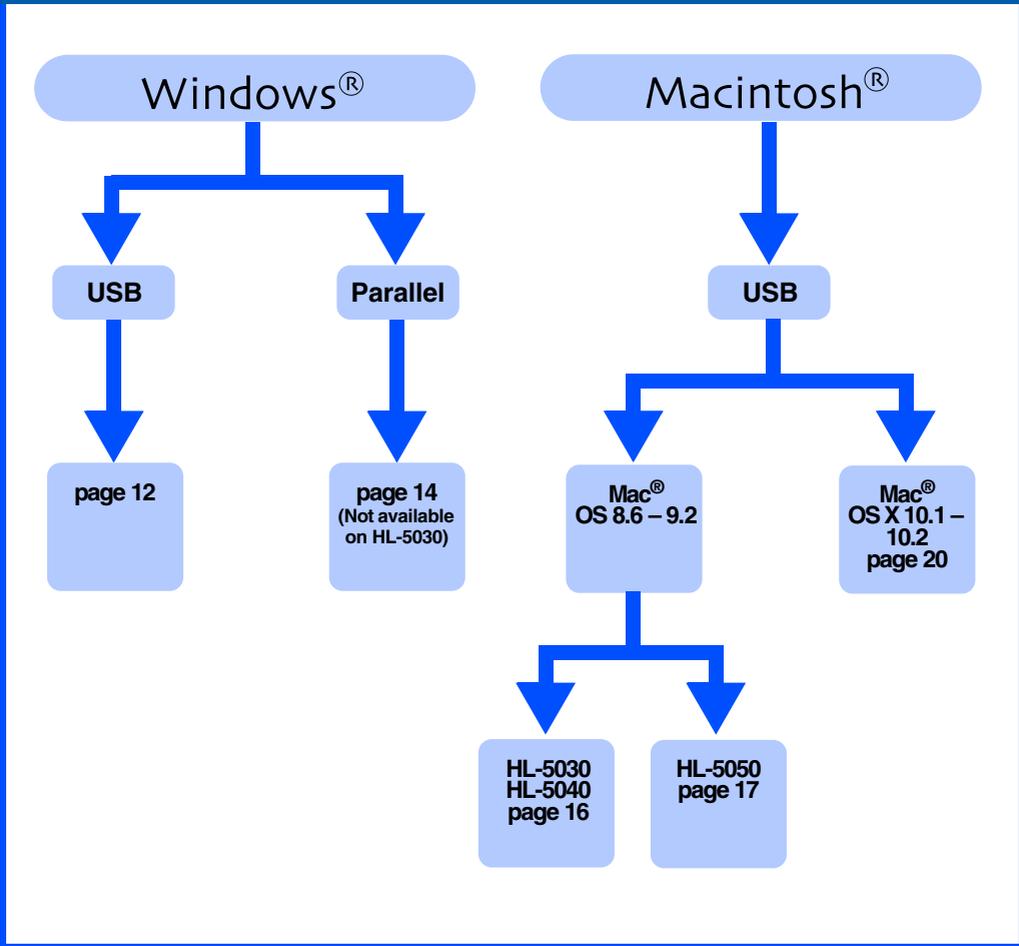
Setup is Complete!

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 go to http://solutions.brother.com
Keep this Quick Setup Guide and supplied CD-ROM in a convenient place for quick and easy reference at all times.

Version 1

Safety Precautions

To Use the Printer Safely

⚠️ **Warning**	🚫 **Note**	📝 **Hint**	📖 **User's Guide**
Indicates warnings that must be observed to prevent possible personal injury.	Indicates cautions that must be observed to use the printer properly or prevent damage to the printer.	Indicates notes and useful tips to remember when using the printer.	Indicates reference to the User's Guide which is on the CD-ROM we have supplied.

⚠️ Warning

There are high voltage electrodes inside the printer. Before replacing internal parts, cleaning the printer or clearing a paper jam, make sure you have turned OFF the power switch and unplugged the power cord from the 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 are extremely hot. When you open the front cover or rear cover of the printer, never touch the shaded parts shown in the illustration.	 **Inside the printer (Front View)** **Open the Face-up Output Tray (Rear View)**
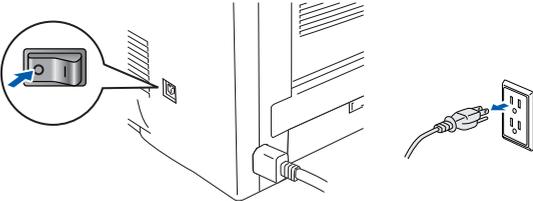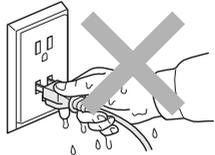
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Regulations

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-5030, 5040, 5050 and HL-5070N
Model number: HL-50
Product options: Lower Tray Unit LT-5000/DIMM

complies 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 a double-shielded interface cable with twisted-pair conductors and that it is marked "IEEE1284 compliant". The cable must not be more than 2.0 metres long.

brother

"EC" Declaration of Conformity

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

Plant
Brother Corporation (Asia) Ltd.,
Brother Buji Nan Ling Factory,
Golden Garden Ind., Nan Ling Village,
Buji Rong Gang Shenzhen, China

Herewith declare that:

Products description: Laser Printer
Product Name: HL-5030, HL-5040, HL-5050, HL-5070N
Model Number: HL-50

are in conformity with provisions of the Directives applied: Low Voltage Directive 73/23/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: 2000

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

Year in which CE marking was first affixed: 2002

Issued by: Brother Industries, Ltd.
Date: 2 September, 2002
Place: Nagoya, Japan
Signature:

Koichi Asai
Manager
Quality Audit Group
Quality Management Dept.
Information & Document Company

International ENERGY STAR® Compliance Statement

The purpose of the International ENERGY STAR® Program is to promote the development and popularization of energy-efficient office equipments. As an ENERGY STAR® Partner, Brother Industries, Ltd. has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.

Laser Safety (100 to 120 volt Model Only)

This printer is certified as a Class I laser product 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 (100 to 120 volt Model Only)

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. One of the following labels 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 Industries, Ltd.,
15-1 Naeshiro-cho Mizuho-ku Nagoya, 467-8561 Japan
This product complies with FDA radiation performance standards, 21 CFR subchapter J.

MANUFACTURED:
Brother Corporation (Asia) Ltd. Brother Buji Nan Ling Factory
Gold Garden Ind., Nan Ling Village, Buji, Rong Gang, Shenzhen, CHINA
This product complies with FDA radiation performance standards, 21 CFR Subchapter J

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

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

CLASS 1 LASERP RODUCT
APPAREIL À LASER DE CLASSE 1
LASER KLASSE 1 PRODUKT

This printer has a Class 3B laser diode which produces invisible laser radiation in the scanner unit. You should not open the scanner 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: 5 mW
Wave length: 760 - 810 nm
Laser class: Class IIIb
(Accordance with 21 CFR Part 1040.10)
Class 3B
(Accordance with IEC 60825)

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.

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 batteries
Do not replace the battery. There is a danger of explosion if the battery is incorrectly replaced. Do not disassemble, recharge or dispose of the battery in fire. Dispose of used batteries according to local regulations.

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.

Opmerking / Oplaadbare Batterij Recycle Informatie (For Netherlands Only)

Bij dit product zijn batterijen geleverd. Wanneer deze leeg zijn, moet u ze niet weggooien maar inleveren als Klein Chemisch Afval.
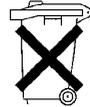
Geräuschemission / Acoustic noise emission (for Germany only)

Lpa < 70 dB (A) DIN 45635-19-01-KL2

Wiring information (for UK)

Important

If the mains plug that is supplied with this printer is not suitable for your plug socket, remove the plug from the mains lead and fit an appropriate three-pin plug. If the replacement plug needs a fuse, fit the same fuse as the original.

If a moulded plug comes off the mains lead, you should destroy it because a plug with cut wires is dangerous if it is put in a live plug socket. Do not leave it where a child might find it!

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**

The colours of the wires in the mains lead of this printer may not match the coloured markings identifying the terminals in your plug.

If you need to fit a different plug, you should do the following.

Remove a bit of the outer cover of the lead, taking care not to damage the coloured insulation of the wires inside.

Cut each of the three wires to the appropriate length. If you can, leave the green and yellow wire longer than the others so that, if the lead is pulled out of the plug, the green and yellow wire will be the last to disconnect.

Remove a short section of the coloured insulation to expose the wires.

The wire which is coloured green and yellow must be connected to the terminal in the plug which is marked with the letter "E" or the safety earth symbol ⏚ , or coloured green or green and yellow.

The wire, which is coloured blue, must be connected to the terminal, which is marked with the letter "N" or coloured black or blue.

The wire, which is coloured brown, must be connected to the terminal, which is marked with the letter "L" or coloured red or brown.

The outer cover of the lead must be secured inside the plug. The coloured wires should not hang out of the plug.

■Getting Started

Carton Components

Printer
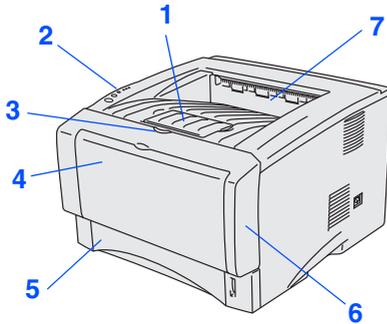
1 Face-down Output Tray Support Flap (Support Flap)
2 Control Panel
3 Front Cover Release Button
4 Manual Feed Tray (HL-5030/5040)
   Multi-purpose Tray (HL-5050)
5 Paper Tray
6 Front Cover
7 Face-down Output Tray (Top Output Tray)

CD-ROM (including User's Guide)	**Quick Setup Guide**	**Drum Unit Assembly** (including Toner Cartridge)	**AC Power Cord**
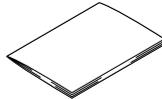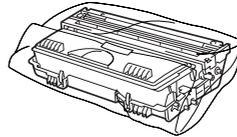
Carton components may differ from one country to another.
Save all packing materials and the printer carton.

> ■ *The interface cable is not a standard accessory. Please purchase the appropriate interface cable for the interface you intend to use (USB or Parallel).*
> *The Parallel interface cable cannot be used on the HL-5030.*
> ■ *It's recommended to use a Parallel interface cable or USB interface cable that is not longer than 6 feet (2.0 meters).*
> ■ *For Parallel interface cable use a shielded interface cable that is IEEE 1284-compliant.*
> ■ *Please make sure that you use a Hi-Speed USB 2.0 certified cable if your computer uses a Hi-Speed USB 2.0 interface.*
> ■ *Some illustrations are based on the HL-5050.*

Control Panel
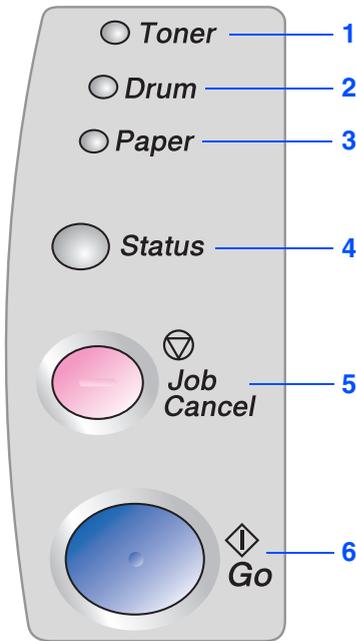
Toner — 1	**1 Toner** LED indicates when the Toner is low or empty.
Drum — 2	**2 Drum** LED indicates when the Drum is nearing end of life.
Paper — 3	**3 Paper** LED indicates when there is a paper jam.
Status — 4	**4 Status** The LED will flash and change color depending on the printer status.
Job Cancel — 5	**5 Job Cancel Button** Will stop and cancel the print operation in progress.
Go — 6	**6 Go Button** Pause / Continue printing.

Printer LED Indications

✹ : Blinking   ● : ON   ○ : OFF
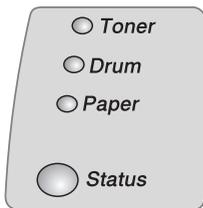
Printer LED	Sleep / OFF	Warming Up	Ready	Receiving Data	Data Remaining
Toner	○	○	○	○	○
Drum	○	○	○	○	○
Paper	○	○	○	○	○
Status	○	✹ Green	● Green	✹ Yellow	● Yellow
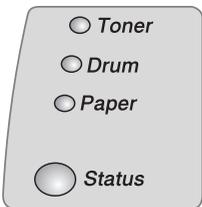
Printer LED	Toner Low	Toner Empty	Drum End	No Paper/ Paper Jam	Cover Open	Service Error
Toner	✹ Yellow *1	● Yellow	○	○	○	✹ Yellow
Drum	○	○	✹ Yellow*1	○	○	✹ Yellow
Paper	○	○	○	✹ Yellow*2	○	✹ Yellow
Status	● Green	● Red	● Green	● Red	● Red	✹ Red
User's Guide	Chapter 5	Chapter 5	Chapter 5	Chapter 6	Chapter 6	Chapter 6

*1 The LED will blink in a pattern of ON for 2 seconds and then OFF for 3 seconds.
*2 The LED will blink fast.

Supplied CD-ROM

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

Windows®

Macintosh®

Mac® OS 8.6 to 9.2 Users

Mac® OS X 10.1 to 10.2 Users
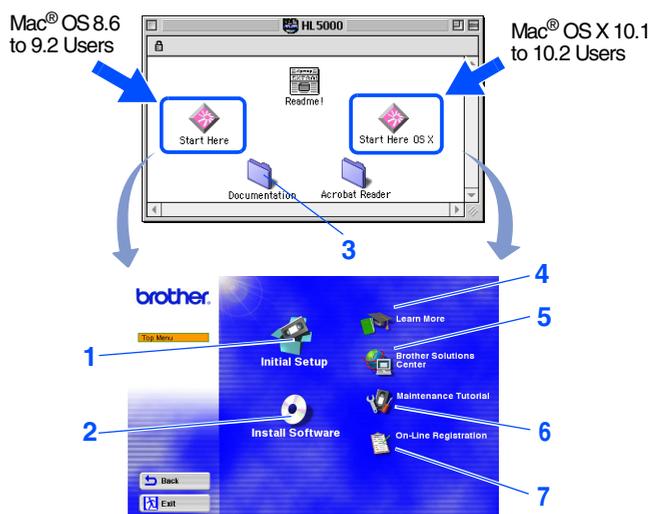
1	Initial Setup
Instructional movie for printer setup and driver installation.	

2	Install Software
Installs the printer driver and utilities.	

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

4	Learn More
Watch instructional movies to learn more about using your Brother printer.	

5	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 the FAQs and troubleshooting tips, or learn about printer solutions.	

6	Maintenance Tutorial
Instructional movie for printer maintenance.	

7	On-Line Registration
Register your product on-line.	

For visually impaired users, we have prepared two HTML files on the supplied CD-ROM: index_win.html and index_mac.html. These files can be read by Screen Reader 'text-to-speech' software.

6

Step 1 ▸ Setting Up Your Printer

1 Insert 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.**
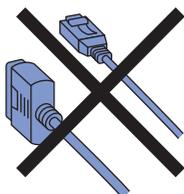
1 Insert the CD-ROM into your CD-ROM drive. The opening screen will appear automatically.
Follow the on-screen instructions.

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

3 You can view the Initial Setup instructions and follow along from steps on page 8 to 11.

For Macintosh® Users

🚫 **Do NOT connect the interface cable. Connecting the interface cable is done when installing the driver.**
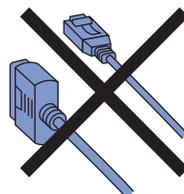
1 Insert the CD-ROM into your CD-ROM drive. Double-click the **Start Here** icon or **Start Here OS X** icon.
Follow the on-screen instructions.
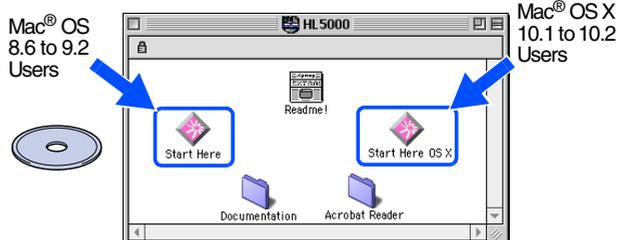
Mac® OS 8.6 to 9.2 Users

Mac® OS X 10.1 to 10.2 Users

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

3 You can view the Initial Setup instructions and follow along from steps on page 8 to 11.

2 Install the Drum Unit Assembly

🚫 **Do NOT connect the interface cable. Connecting the interface cable is done when installing the driver.**
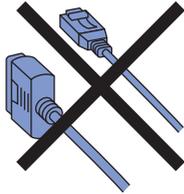
① Open the front cover by pressing the front cover release button.

Front cover release button
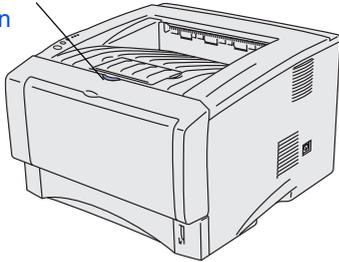
Front cover
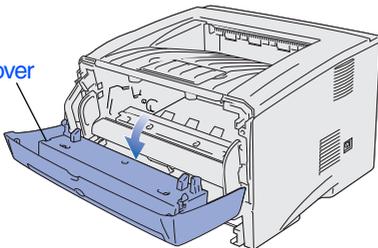
② Unpack the drum unit assembly. Remove the protective part.

Drum unit assembly
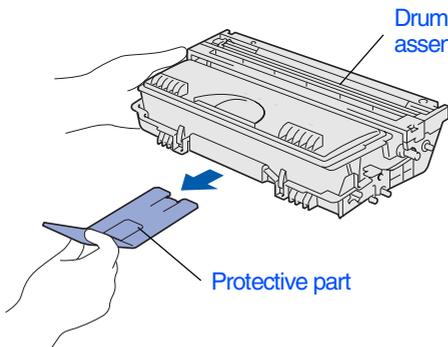
Protective part

③ Rock it from side to side several times to distribute the toner evenly inside the assembly.
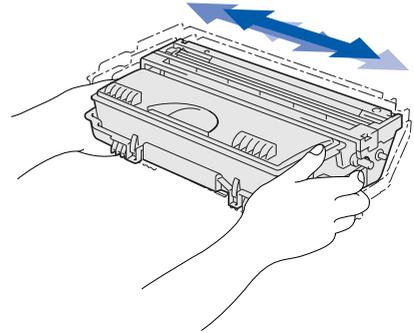
④ Put the drum unit assembly into the printer.
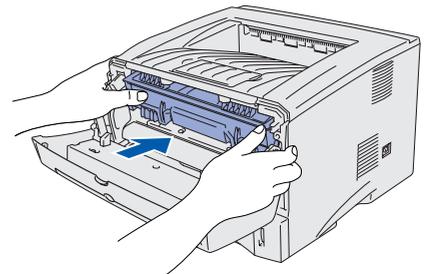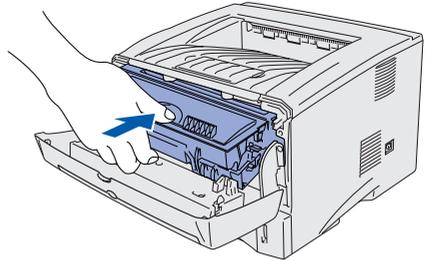
⑤ Close the front cover of the printer.
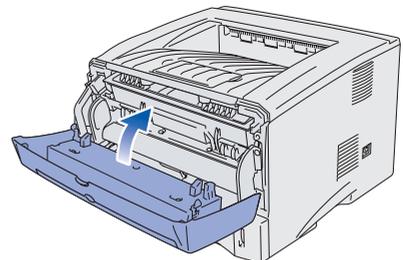
3 Load Paper in the Paper Tray

① Pull the paper tray completely out of the printer.
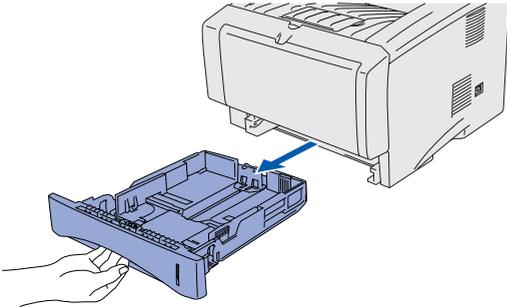
② While pressing the paper guide release lever, slide the adjusters to fit the paper size.
Check that the guides are firmly in the slots.

Paper guide
release lever
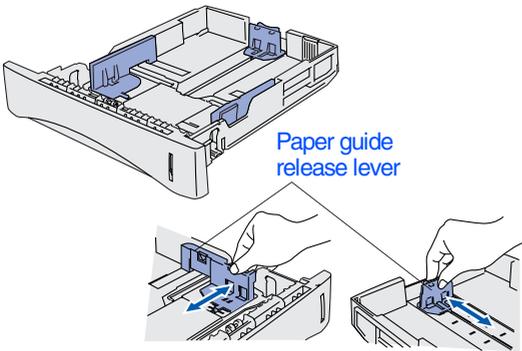
For Legal size paper, press the universal guide release button and pull out the rear of the paper tray.

Universal guide
release button
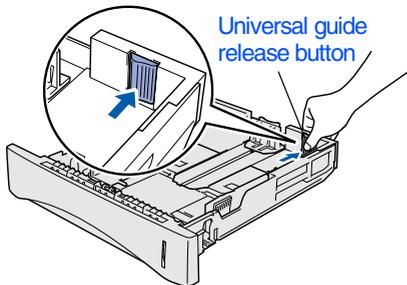
③ Fan the stack of paper well to avoid paper jams and misfeeds.
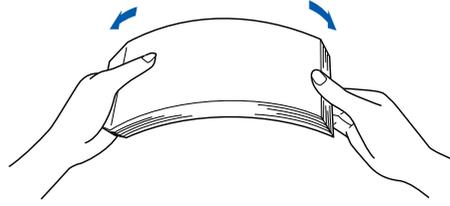
④ Put paper in the paper tray.
Check that the paper is flat in the tray and below the maximum paper mark.

Up to here.
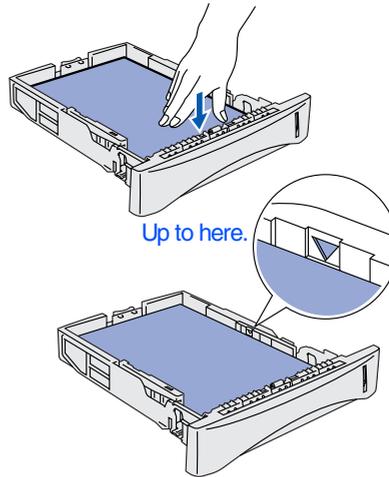
⑤ Put the paper tray firmly back in the printer.

4 Print a Test Page

🚫 **Do NOT connect the interface cable. Connecting the interface cable is done when installing the driver.**
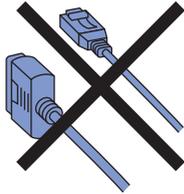
① Make sure that the printer power switch is off.
Connect the AC power cord to the printer.
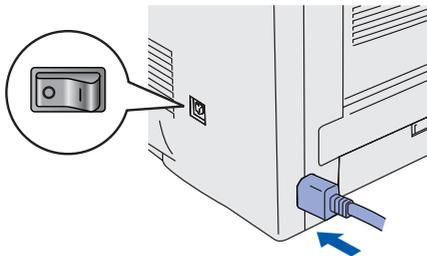
② Plug the AC power cord into an AC outlet. Turn the power switch on.
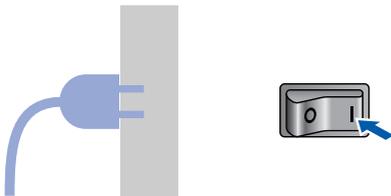
③ After the printer has finished warming up, the **Status** LED stops blinking and stays green.

Extend the Support flap.
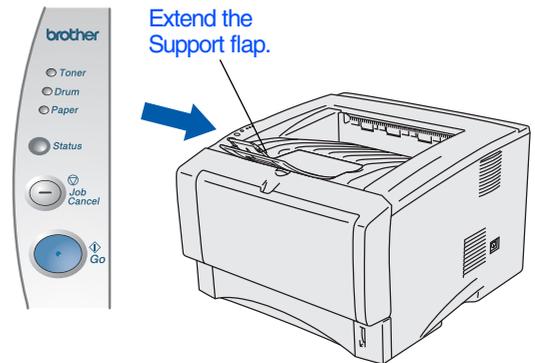
④ Press the **Go** button. The printer prints a test page.
Check that the test page has printed correctly.
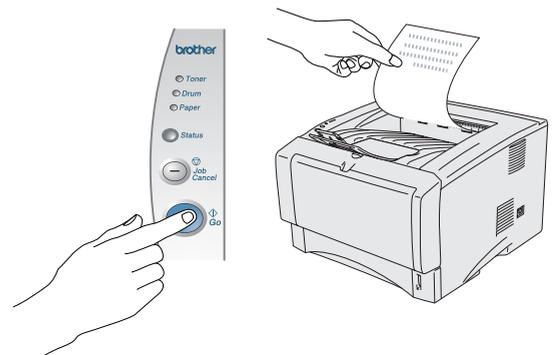
Go to the next page to install the driver.

Follow the instructions on this page for your operating system and interface cable.
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 10.1.

Setting Up
Your Printer

Windows®

For USB Interface Cable Users.............................Go to page 12

Windows®
USB

For Parallel Interface Cable Users........................Go to page 14

(For HL-5040/5050 Users Only)

Windows®
Parallel

Macintosh®

For USB Interface Cable Users

Macintosh®
USB

■ **Mac® OS 8.6 to 9.2 Users (HL-5030/5040 Users)** .... Go to page 16
■ **Mac® OS 8.6 to 9.2 Users (HL-5050 Users)** .... Go to page 17
■ **Mac® OS X 10.1 to 10.2 Users** .... Go to page 20

🔌 For USB Interface Cable Users

1. Installing the Driver and Connecting the Printer to Your PC

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

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.
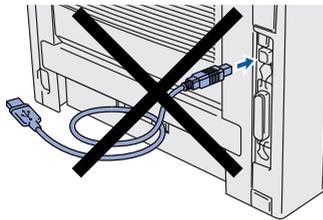
② Click **Connect the interface cable & Install the driver/utility** from the **Initial Setup** menu.

③ Select the **USB interface**.
(HL-5030 users will not see this screen.)

④ Click the **Install** button.

⑤ Click the **Next** button.
Follow the on-screen instructions.

12

6 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 the **Next** button.
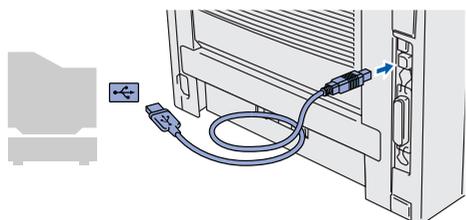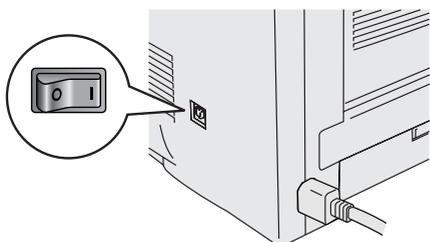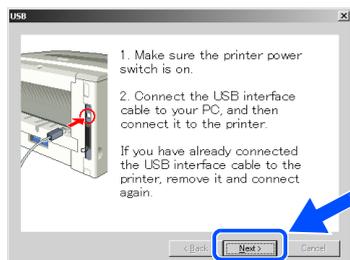
7 Click the **Finish** button.
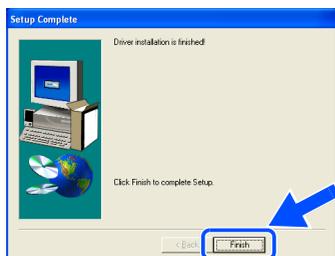
OK! For Windows® 98 / Me users:
The Setup is now complete.

For Windows® 2000/XP users:
Go to "2. Setting Your Printer as the Default Printer".

2. Setting Your Printer as the Default Printer (For Windows® 2000/XP Users Only)

1 Click **Start** and then **Printers and Faxes**.

2 Select the **Brother HL-5000 series** icon.
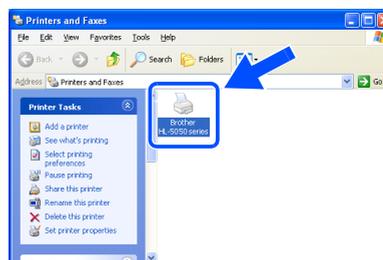
3 From the **File** menu, select **Set as Default printer**.

OK! The setup is now complete.
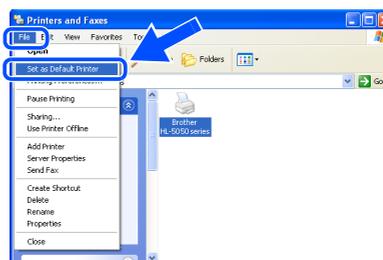
Installing the Driver

For Parallel Interface Cable Users (For HL-5040/5050 Users Only)

Connecting the Printer to Your PC and Installing the Driver

1 Click **Connect the interface cable & Install the driver/utility** from the **Initial Setup** menu.

2 Select the **Parallel interface**.

3 Turn off the printer power switch.
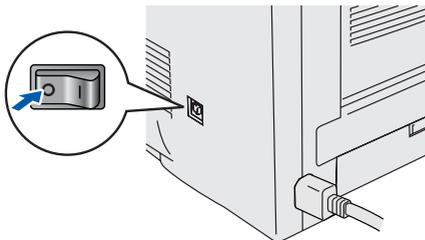
4 Connect the parallel interface cable to your PC, and then connect it to your printer.
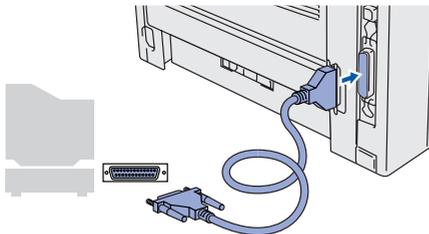
5 Turn on the printer power switch.
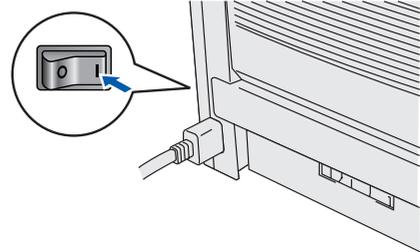
✐ If the **Found New Hardware Wizard** appears on your PC, click the **Cancel** button.

6 Click the **Next** button when the movie finishes.

7 Click the **Install** button.

8 Click the **Next** button.
Follow the on-screen instructions.

9 Click the **Finish** button.
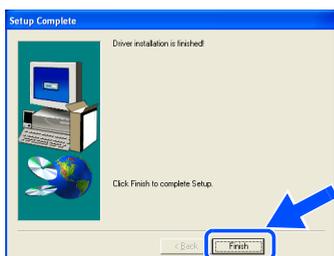
OK! **The Setup is now complete.**

For USB Interface Cable Users

For Mac® OS 8.6 to 9.2 Users (HL-5030/5040 Users)

Installing the Driver & Connecting the Printer to your Macintosh

1 Click **Connect the interface cable & Install the driver/utility** from the **Initial Setup** menu.
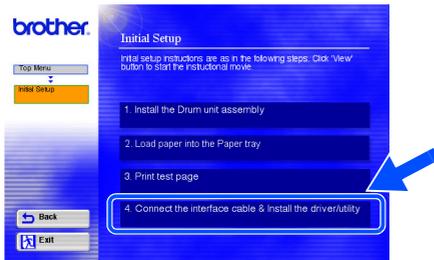
2 Follow the on-screen instructions, and restart your Macintosh.
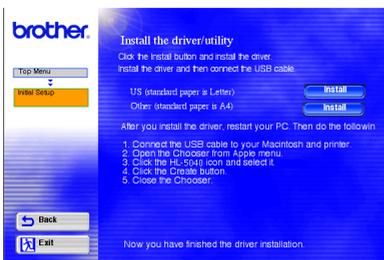

3 Make sure the printer power switch is on.
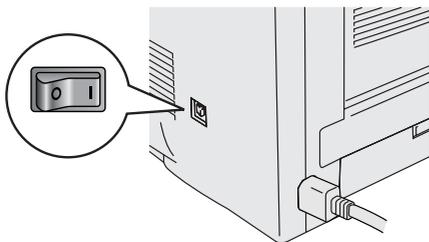
4 Connect the USB interface cable to your Macintosh, and then connect it to the printer.

✎ *Do not connect the USB cable to the keyboard USB Port or a non-powered USB Hub.*
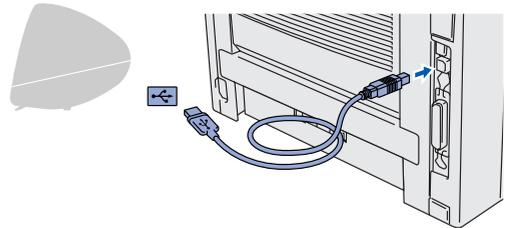
5 Open the **Chooser** from the **Apple** menu.

6 Click the **Brother Laser** and select **HL-5000 series**.
Close the **Chooser**.
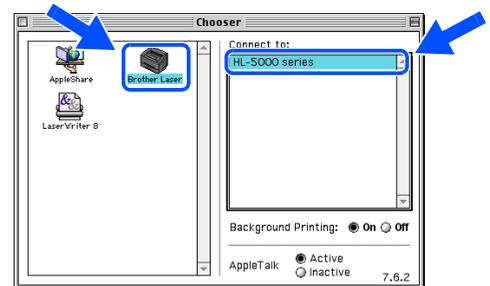
OK! The setup is now complete.

For USB Interface Cable Users

For Mac® OS 8.6 to 9.2 Users (HL-5050 Users)

1. Connecting the Printer to your Macintosh & Installing the Driver

1 Make sure the printer power switch is on.
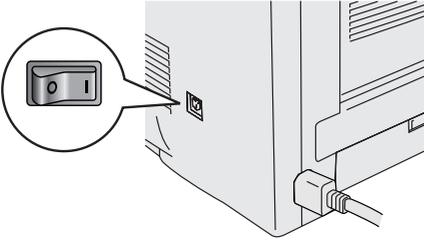
2 Connect the USB interface cable to your Macintosh, and then connect it to the printer.

> *Do not connect the USB cable to the keyboard USB Port or a non-powered USB Hub.*
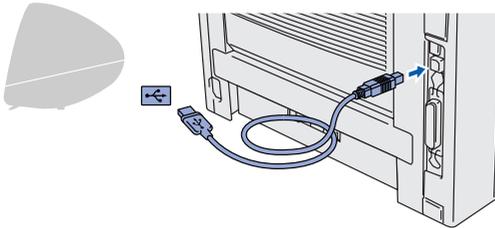
3 Click **Connect the interface cable & Install the driver/utility** from the **Initial Setup** menu.
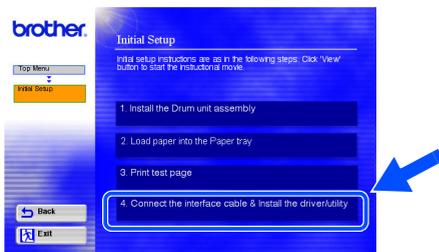
4 Click the **Install** button, and follow the on-screen instructions.

5 Open the **Macintosh HD** icon.
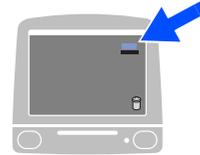
6 **For Mac® OS 8.6 to 9.04 Users:**
Open the **Apple Extras** folder.
Open the **Apple LaserWriter Software** folder.

For Mac® OS 9.1 to 9.2 Users:
Open the **Applications** (Mac® OS 9) folder.
Open the **Utilities** folder.
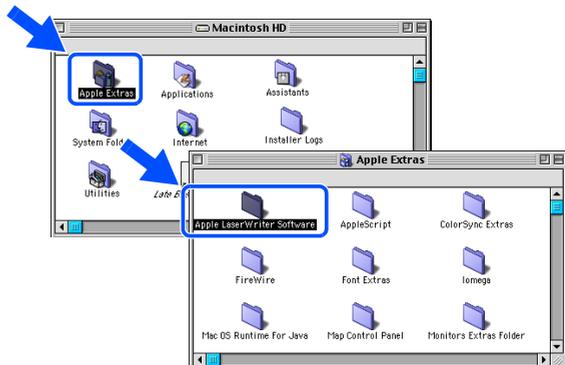
* The screens are based on Mac® OS 9.04.

7 Open the **Desktop Printer Utility** icon.
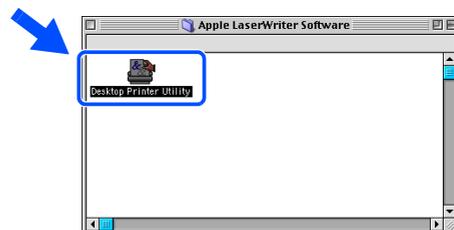
**Continue to
the next page**

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For USB Interface Cable Users

For Mac® OS 8.6 to 9.2 Users (HL-5050 Users)

⑧ Select **Printer (USB)**, and then click the **OK** button.
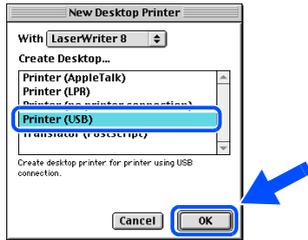
⑨ Click the **Change...** button in the **PostScriptᵀᴹ Printer Description (PPD) file**.
Select **Brother HL-5050 series**, and then click the **Select** button.
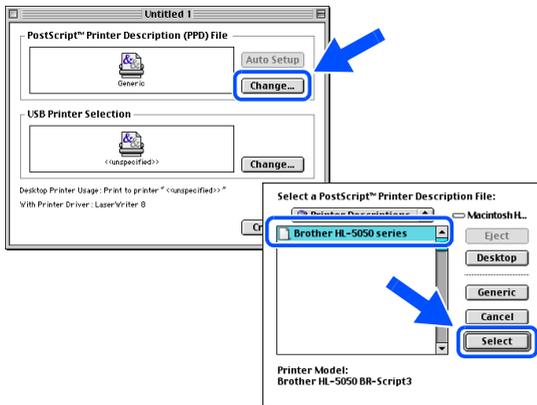
⑩ Click the **Change...** button in the **USB Printer Selection**.
Select **HL-5050 series**, and then click the **OK** button.
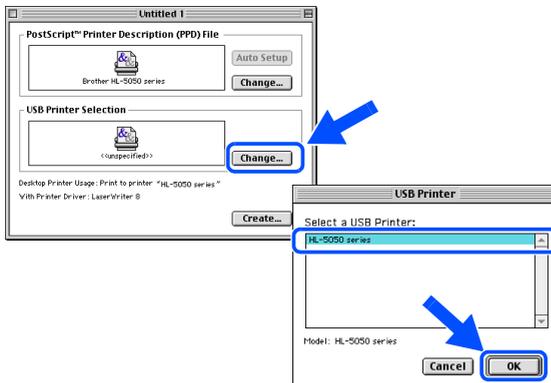
⑪ Click the **Create...** button.
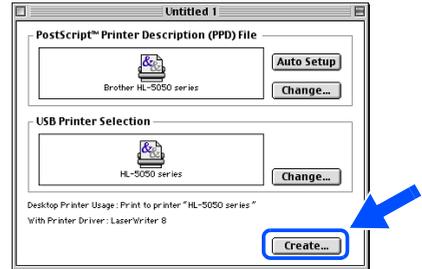
⑫ Enter your printer name (HL-5050 series), and then click the **Save** button.

⑬ Select **Quit** from the **File** menu.

OK! **The setup is now complete.**

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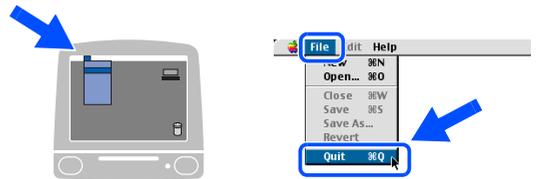
2. Setting your Printer as the Default Printer

1 Click the **HL-5050 series** icon on the Desktop.
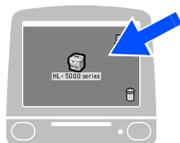
2 Select **Set Default Printer** from the **Printing** menu.
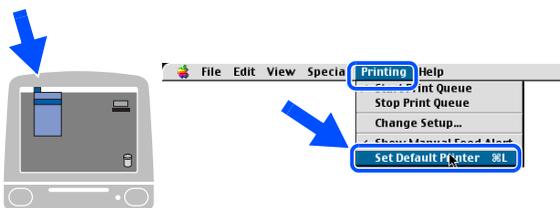
OK! **The setup is now complete.**

✎ **For USB Interface Cable Users**

For Mac® OS X 10.1 to 10.2 Users

Connecting the Printer to your Macintosh & Installing the Driver

1 Click **Connect the interface cable & Install the driver/utility** from the **Initial Setup** menu.
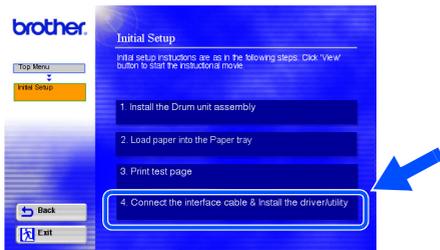
2 Make sure the printer power switch is on.
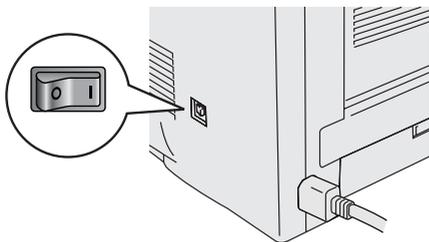
3 Connect the USB interface cable to your Macintosh, and then connect it to the printer.

> 📝 *Do not connect the USB cable to the keyboard USB Port or a non-powered USB Hub.*
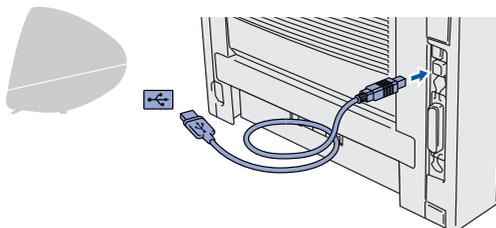
4 Click the **Install** button, and follow the on-screen instructions.

5 Select **Applications** from the **Go** menu.
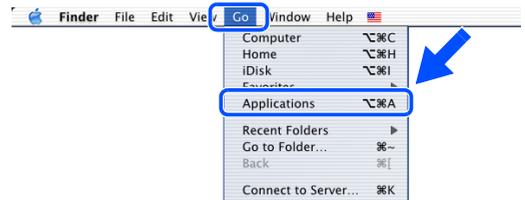
6 Open the **Utilities** folder.

7 Open the **Print Center** icon.

Continue to the next page

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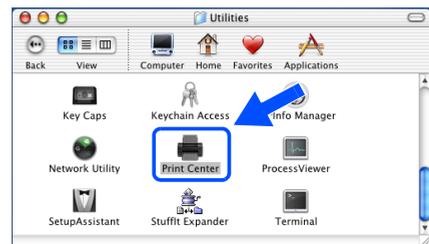
8 Click the **Add Printer...** button.
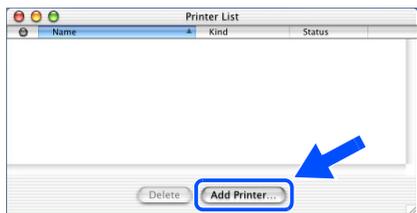
9 Select **USB**.

10 Select **HL-5000 series**, and then click the **Add** button.
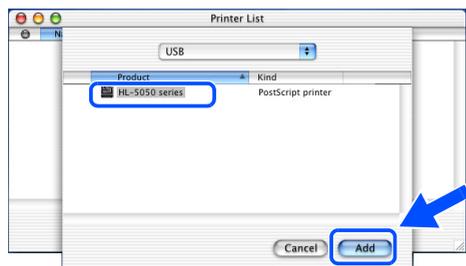
11 Select **Quit Printer Center** from the **Printer Center** menu.

OK! **The setup is now complete.**

■ Other Information
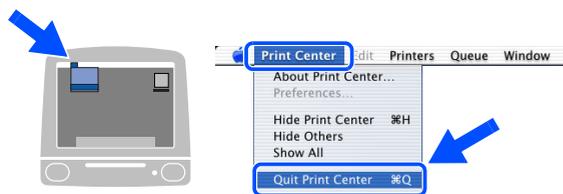
Shipment of the Printer

If for any reason you must ship your Printer, carefully package the Printer in the original packing to avoid any damage during transit. It is strongly recommended that you save and use the original packaging. The Printer should also be adequately insured with the carrier.

🚫 **When shipping the Printer, the DRUM UNIT assembly and TONER CARTRIDGE must be removed from the Printer and placed in the foil bag. Failure to remove the unit and place it in the foil bag during shipping will cause severe damage to the Printer and may VOID THE WARRANTY.**

1 Turn off the printer power switch, and then unplug the AC power cord.
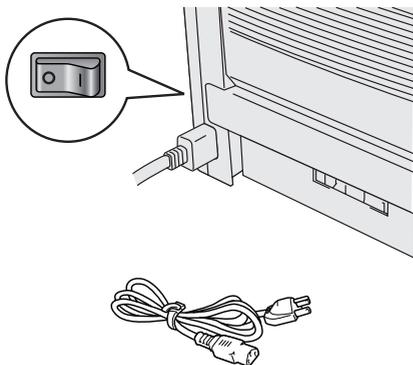
2 Remove the drum unit assembly.
Place it in the plastic bag and seal the bag completely.

3 Re-pack the printer.

Options

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

User's Guide Chapter 4.

Lower Tray Unit (For HL-5040/5050 only)	External Print Server (For HL-5040/5050 only)	DIMM Memory (For HL-5040/5050 only)
LT-5000	NC-2010p/NC-2100p	
Second lower paper tray unit expands total input capacity up to 250 sheets.	If you are going to connect the printer to your network, buy the optional Network device. For more information, see Network User's Guide on the supplied CD-ROM with External Print Server. (not the printer)	You can expand the memory by installing (100-pin DIMM) memory module.
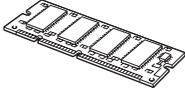
brother®