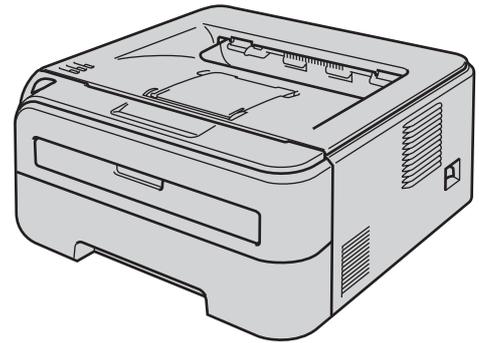


HL-2140



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 on 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.

To view the Quick Setup Guide in other languages, please visit <http://solutions.brother.com>.



## Symbols used in this guide

 Warning	 Electrical Hazard	 Hot Surface	 Caution
<p>Warnings tell you what to do to prevent possible personal injury.</p>	<p>Electrical Hazard icons alert you to a possible electrical shock.</p>	<p>Hot Surface icons warn you not to touch machine parts that are hot.</p>	<p>Cautions specify procedures you must follow or avoid to prevent possible damage to the printer or other objects.</p>
 Improper Setup	 Note	 User's Guide	
<p>Improper Setup icons alert you to devices and operations that are not compatible with the printer.</p>	<p>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.</p>	<p>Indicates reference to the User's Guide which is on the CD-ROM we have supplied.</p>	

## Safety Precautions

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## Getting Started

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## Setting Up the Machine

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## Installing the Printer Driver

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## Troubleshooting

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

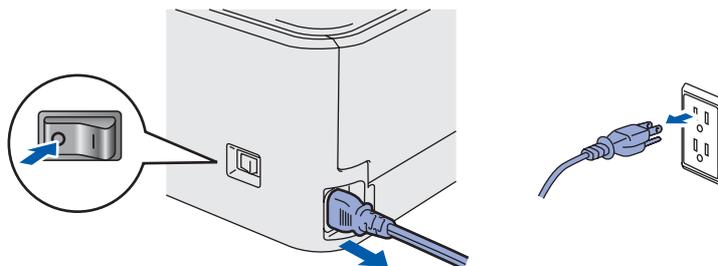
# Safety Precautions

## To Use the Printer Safely

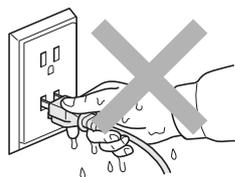
### Warning



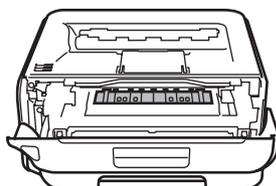
There are high voltage electrodes inside the printer. Before you clean the inside of the printer, make sure that you have turned off the power switch and unplugged the printer from the AC power outlet.



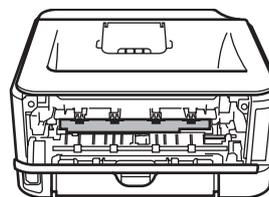
DO NOT handle the plug with wet hands. Doing this might cause an electrical shock.



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.



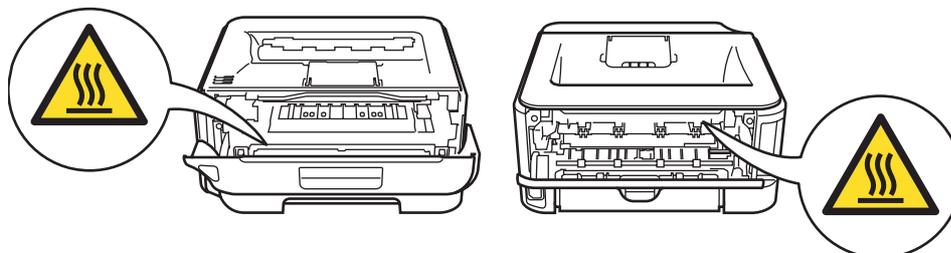
Inside the printer  
(Front View)



Inside the printer  
(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 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.



## Regulations

**Radio interference (220-240 volt model only)**  
This printer follows EN55022 (CISPR Publication 22)/Class B.

### **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-2140

Model number: HL-21

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.

## EC Declaration of Conformity



### EC Declaration of Conformity

Manufacturer  
Brother Industries Ltd.,  
15-1, Naeshirocho, 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-2140  
Model Number : HL-21

is in conformity with provisions of the Directives applied : Low Voltage Directive 2006/95/EC and the Electromagnetic Compatibility Directive 2004/108/EC.

Standards applied :  
Harmonized : Safety EN60950-1:2001+A11:2004

EMC EN55022: 1998 +A1: 2000 +A2: 2003 Class B  
EN55024: 1998 +A1: 2001 +A2: 2003  
EN61000-3-2: 2006  
EN61000-3-3: 1996 +A1: 2001 +A2: 2005

Year in which CE marking was first affixed : 2007

Issued by : Brother Industries, Ltd.

Date : 31st August, 2007

Place : Nagoya, Japan

Signature :

Junji Shiota  
General Manager  
Quality Management Dept.  
Printing & Solutions 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 equipment. As an ENERGY STAR® Partner, Brother Industries, Ltd. has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.



### 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 June 24, 2007.

### ! 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.

# Safety Precautions

## Internal laser radiation

Maximum radiation power:	10 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.

## **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:

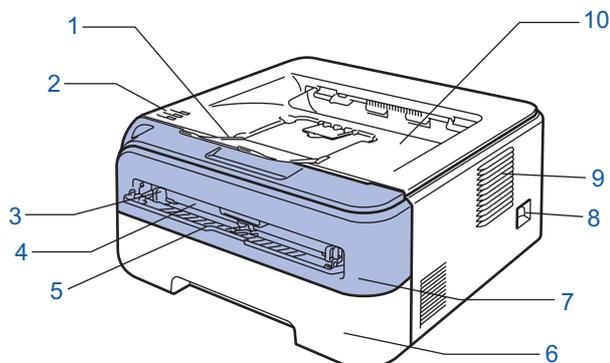
Green and Yellow:	Earth
Blue:	Neutral
Brown:	Live

If in any doubt, call a qualified electrician.

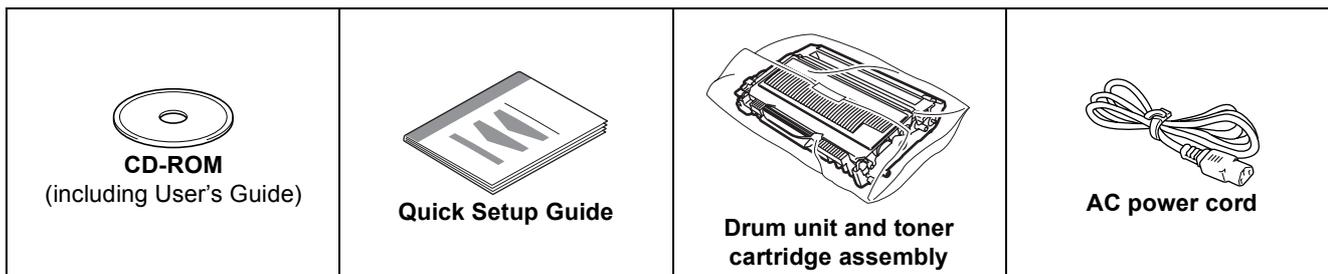
## Carton Components

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 Face-down output tray support flap 1 (Support flap 1) | 6 Paper tray             |
| 2 Control panel                                         | 7 Front cover            |
| 3 Manual feed paper guide                               | 8 Power switch           |
| 4 Manual feed slot                                      | 9 Ventilation hole       |
| 5 Manual feed slot cover                                | 10 Face-down output tray |



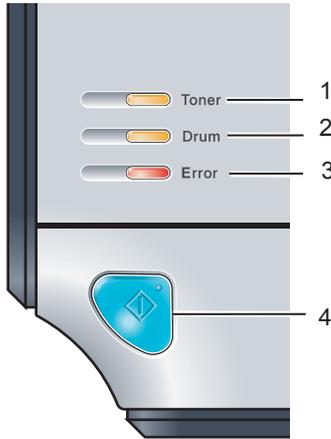
The interface cable is not a standard accessory. Buy the appropriate cable for the interface you are going to use.

■ **USB cable**

- Please make sure you use a USB 2.0 interface cable that is no longer than 6 feet (2 meters).
- Your printer has a USB interface that is compatible with the USB 2.0 specification. This interface is also compatible with Hi-Speed USB 2.0; however, maximum data transfer rate will be 12 Mbits/s. The printer can also be connected to a computer that has a USB 1.1 interface.
- **DO NOT** connect the interface cable at this time. Connecting the interface cable is done during the printer driver installation process.

When you use a USB cable, make sure you connect it to the USB port of your computer and not to a USB port on a keyboard or non-powered USB hub.

## Control panel



- 1 Toner LED**  
The Toner LED indicates when the toner is low or at the end of its life.
- 2 Drum LED**  
The Drum LED indicates when the drum is nearing the end of its life.
- 3 Error LED**  
The Error LED indicates when the printer is in one of the following states:  
No paper / Paper jam / Cover open
- 4 Ready LED**  
The Ready LED will flash depending on the printer status.  
**Go button**  
Wake-up / Error recovery / Form feed / Job Cancel / Reprint



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

## Printer LED Indications



: Blinking



: ON



: OFF

Printer LED	OFF	Sleep	Warming up Cooling down <sup>1</sup>	Ready	Receiving data <sup>2</sup>	Print Data remaining <sup>2</sup>
<b>Toner</b>						
<b>Drum</b>						
<b>Error</b>						
<b>Ready (Blue)</b>						

Printer LED	Toner low <sup>3</sup>	Toner life end	Drum near end of life <sup>3</sup>	Cover open Paper jam <sup>2</sup>	No paper	Drum Error <sup>2</sup>	Service call <sup>2</sup>
<b>Toner (Yellow)</b>							
<b>Drum (Yellow)</b>							
<b>Error (Red)</b>							
<b>Ready (Blue)</b>							
 User's Guide	Chapter 5	Chapter 5	Chapter 5	Chapter 6	Chapter 6	Chapter 4	Chapter 4

<sup>1</sup> The LED will blink in a pattern of ON for 1 second and then OFF for 1 second.

<sup>2</sup> The LED will blink in a pattern of ON for 0.5 seconds and then OFF for 0.5 seconds.

<sup>3</sup> The LED will blink in a pattern of ON for 2 seconds and then OFF for 3 seconds.

## Supplied CD-ROM

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

### Windows®



#### **Install Printer Driver**

Install the printer driver.

#### **Install Other Drivers or Utilities**

Install optional driver.

#### **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 in HTML format will be installed automatically when you install the driver. Click the **Start** button, **All Programs**<sup>1</sup>, your printer, and then **User's Guide in HTML format**. 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.

<sup>1</sup> **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/>

#### **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.*

### Macintosh®



#### **Install Printer Driver**

Install the printer driver.

#### **Documentation**

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

#### **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/>

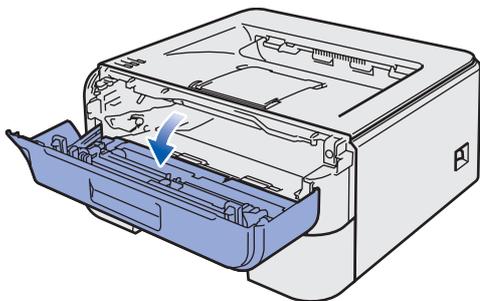
## 1 Installing the drum unit and toner cartridge assembly

### ⊘ Improper Setup

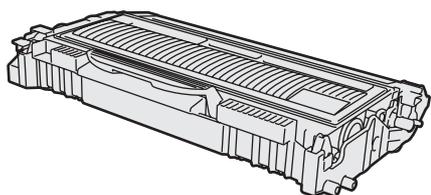
**DO NOT** connect the interface cable.  
Connecting the interface cable is done when installing the driver.



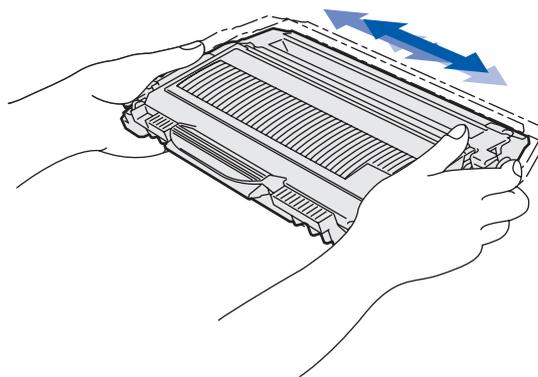
### 1 Open the front cover.



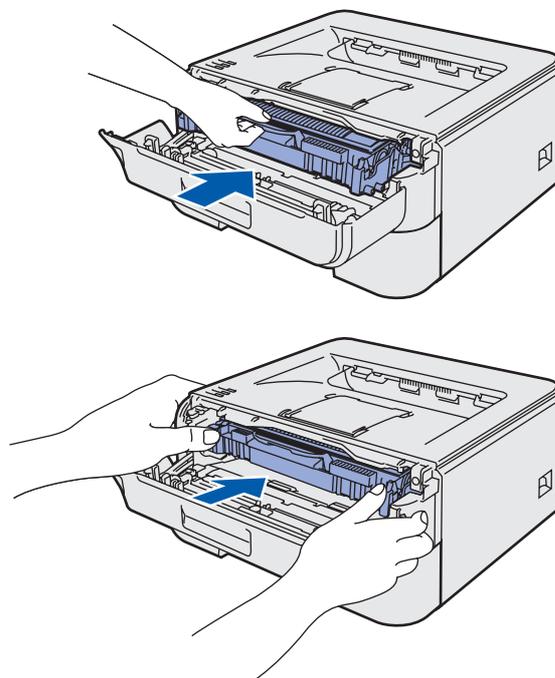
### 2 Unpack the drum unit and toner cartridge assembly.



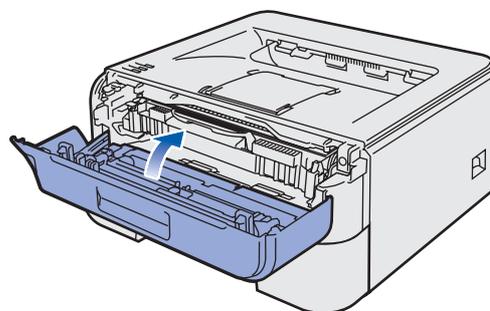
### 3 Rock it from side to side several times to distribute the toner evenly inside the assembly.



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

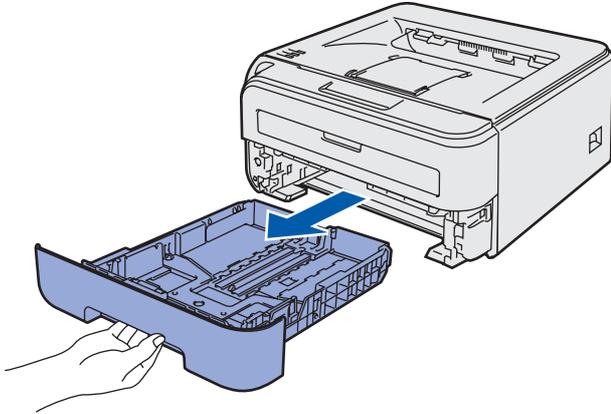


### 5 Close the front cover of the printer.

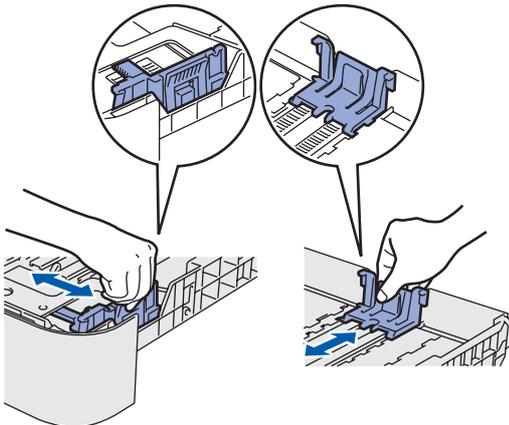


## 2 Loading paper in the paper tray

1 Pull the paper tray completely out of the printer.

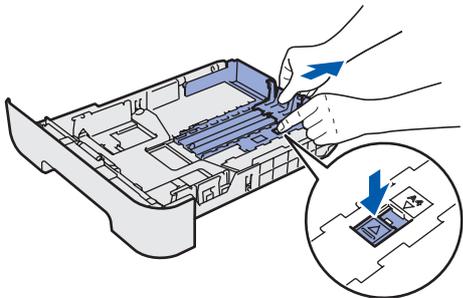


2 While pressing the green paper-guide release lever, slide the paper guides to fit the paper size you are using. Make sure that the guides are firmly in the slots.

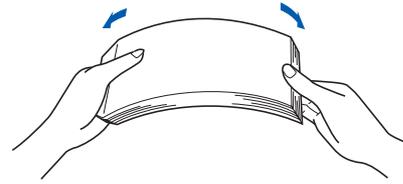


### Note

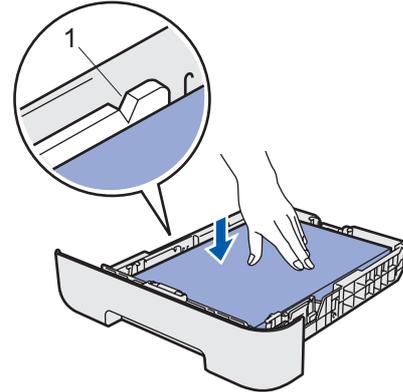
For Legal size paper, press the release button in the bottom of the paper tray and then pull out the back of the paper tray.



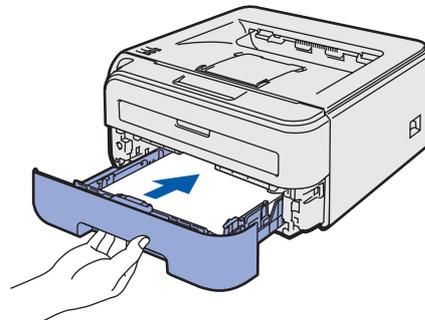
3 Fan the stack of paper well to avoid paper jams and misfeeds.



4 Put paper in the paper tray. Make sure that the paper is flat in the tray and below the maximum paper mark (1).



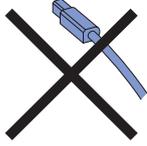
5 Put the paper tray firmly back into the printer. Make sure that it is completely inserted into the printer.



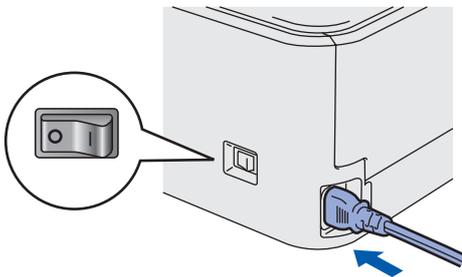
## 3 Printing a test page

### ⊘ Improper Setup

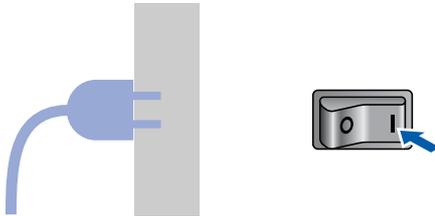
DO NOT connect the interface cable yet.



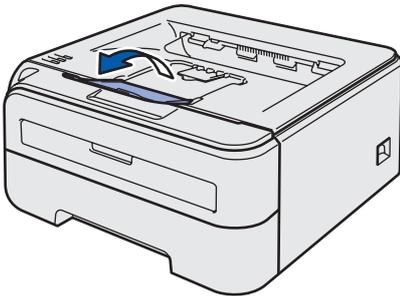
- 1 Make sure that the printer power switch is off. Connect the AC power cord to the printer.



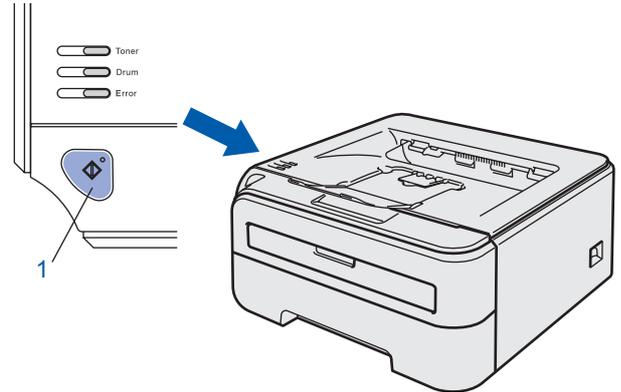
- 2 Plug the AC power cord into an AC power outlet. Turn on the printer power switch.



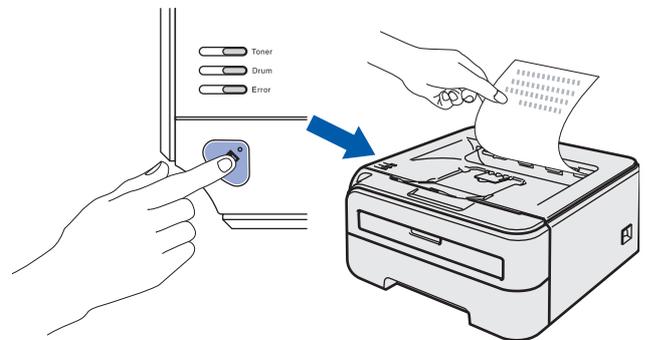
- 3 Unfold support flap 1.



- 4 After the printer has finished warming up, the **Ready LED / Go button** (1) stops blinking and stays blue.



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



### Note

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

# STEP 2

# Installing the Printer Driver

Follow the instructions on this page for your operating system.  
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®

For USB interface cable users..... 14



## Macintosh®

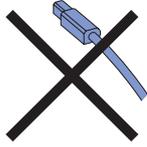
For USB interface cable users..... 16



## For USB interface cable users

### ⊘ Improper Setup

DO NOT connect the interface cable yet.



### Note

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

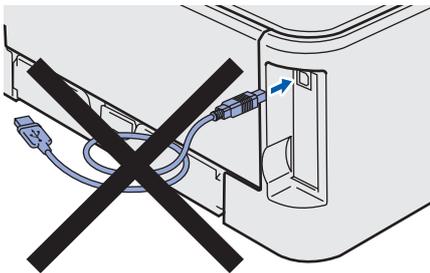


## Installing the driver and connecting the printer to your computer

- 1 Turn off the printer power switch.

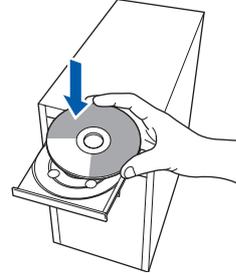


- 2 Make sure the USB interface cable is **NOT** connected to the printer, and then begin installing the driver. If you have already connected the cable, remove it.



- 3 Turn on your computer. (You must be logged on with Administrator rights.)

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



### Note

If the opening screen does not appear, use **Windows® Explorer** to run the **start.exe** program from the root folder of the **Brother CD-ROM**.

- 5 Click **Install Printer Driver** on the menu screen.



### Note

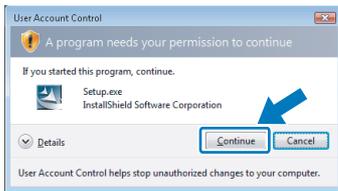
Choose the **Install Printer Driver** icon for your region.

- 6 Click **USB cable users**.

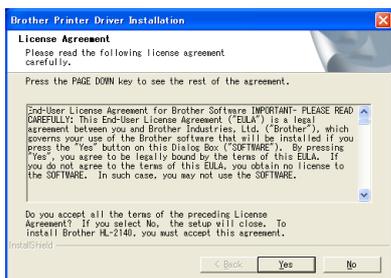


**Note**

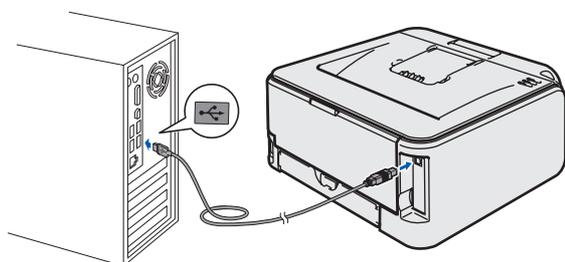
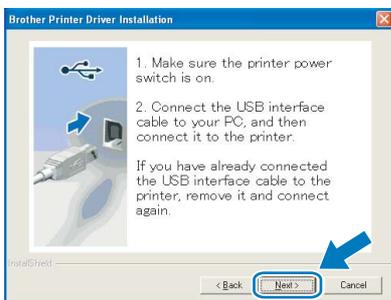
For Windows Vista™, when the **User Account Control** screen appears, click **Continue**.



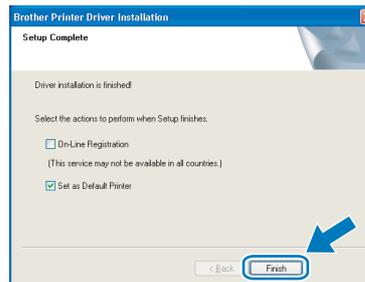
**7** When the **License Agreement** window appears, click **Yes** if you agree to the License Agreement.



**8** 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**.



**9** 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.**

**Note**

**XML Paper Specification Printer Driver**

The XML Paper Specification Printer Driver is the most suitable driver when printing from the applications that use the XML Paper Specification documents.

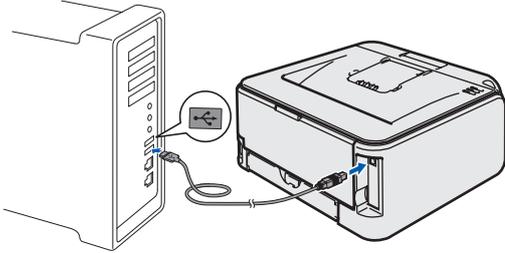
Please download the latest driver by accessing the Brother Solutions Center at <http://solutions.brother.com>.



## 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.



Macintosh®  
USB

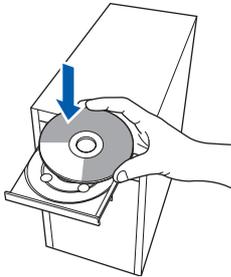
### ⊘ Improper Setup

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

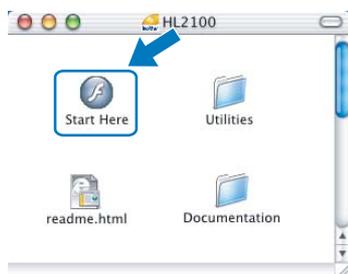
- 2 Make sure the printer power switch is on.



- 3 Turn on your Macintosh®. Put the supplied CD-ROM into your CD-ROM drive.



- 4 Double-click the **HL2100** icon on your desktop. Double-click the **Start Here** icon. Follow the on-screen instructions.



- 5 Click **Install Printer Driver** on the menu screen.



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



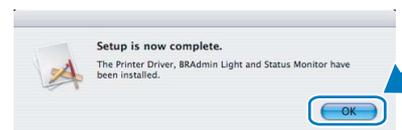
**For Mac OS® X 10.2.4 to 10.2.8 users:**  
Go to step 9.

**For Mac OS® X 10.3 or greater users:**  
Go to step 7.

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

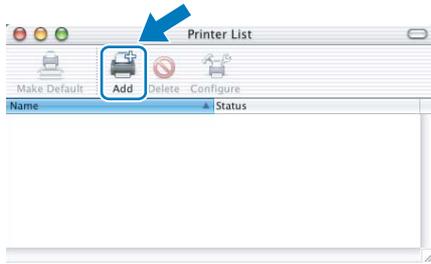


- 8 When this screen appears, click **OK**.

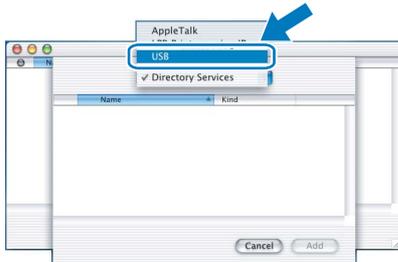


- Ⓞ **For Mac OS® X 10.3 or greater users:**  
Setup is now complete.

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



**10** Choose **USB**.



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



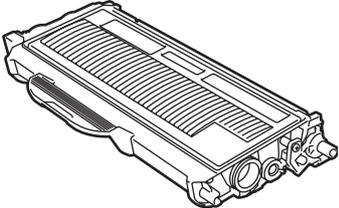
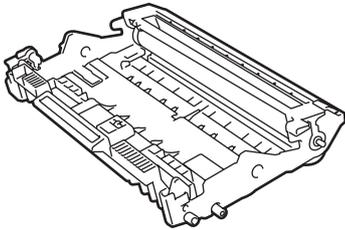
**12** Click **Print Center**, then **Quit Print Center**.



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

## Consumables

When the time comes to replace consumable items, an error will be indicated by the LED's on the control panel. 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
	



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

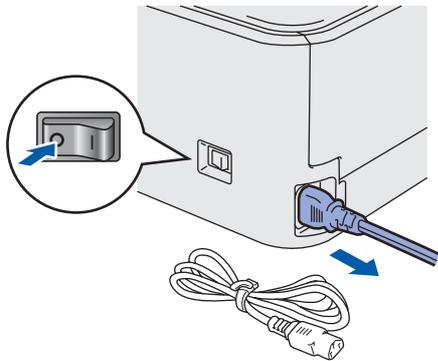
## Shipment of the printer

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.

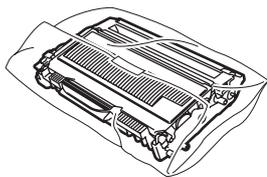
### ! Caution

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.

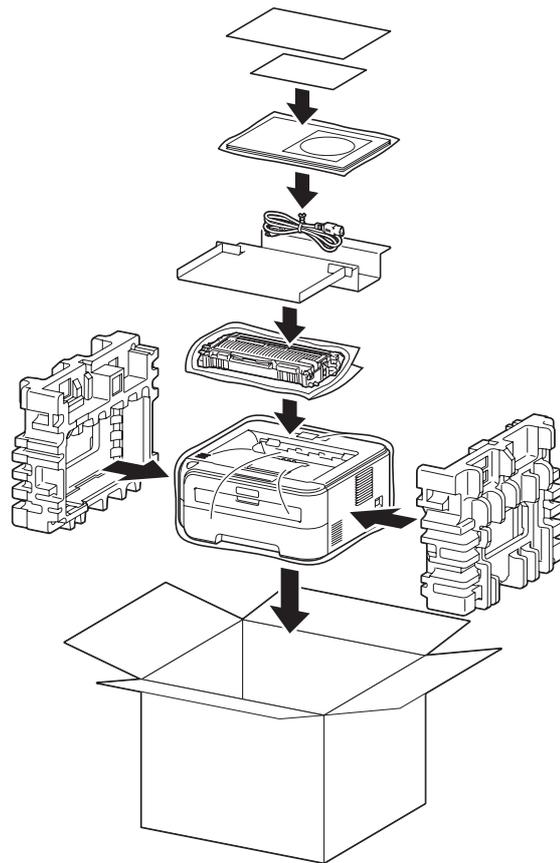
- 1 Turn off the printer power switch, and then unplug the AC power cord.



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



- 3 Repack the printer.



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