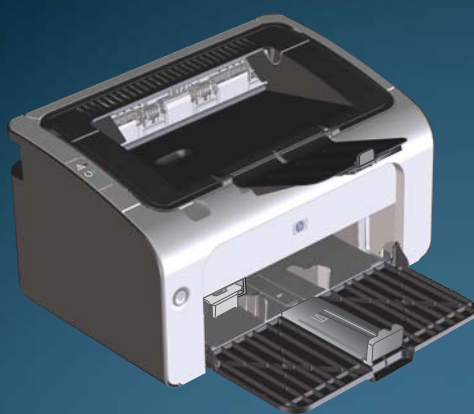




LASERJET PROFESSIONAL P1100 Printer series

User Guide





HP LaserJet Professional P1100 Printer
series

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Part number: CE651-91008

Edition 1, 3/2011

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Conventions used in this guide

 **TIP:** Tips provide helpful hints or shortcuts.

 **NOTE:** Notes provide important information to explain a concept or to complete a task.

 **CAUTION:** Cautions indicate procedures that you should follow to avoid losing data or damaging the product.

 **WARNING!** Warnings alert you to specific procedures that you should follow to avoid personal injury, catastrophic loss of data, or extensive damage to the product.

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1 Product basics

- [Product comparison](#)
- [Environmental features](#)
- [Product features](#)
- [Product views](#)

Product comparison

HP LaserJet Professional P1100 Printer series	HP LaserJet Professional P1100w Printer series
	
• Speed: Up to 18 A4 pages per minute (ppm), 19 letter-size ppm • Tray: 150-sheet input tray • Connectivity: Hi-Speed USB 2.0 port • Duplexing: Manual duplexing (using the printer driver)	• Speed: 18 A4 pages per minute (ppm), 19 letter-size ppm • Trays: 150-sheet main-input tray and 10-sheet priority input slot • Connectivity: Hi-Speed USB 2.0 port and 802.11b/g wireless networking • Duplexing: Manual duplexing (using the printer driver)

Environmental features

Recycling	Reduce waste by using recycled paper. Recycle print cartridges by using the HP return process.
Energy savings	Save energy with product Auto-Off mode.
Duplex	Save paper by using the manual duplex printing setting.
HP Smart Web Printing	Use HP Smart Web Printing to select, store, and organize text and graphics from multiple Web pages and then edit and print exactly what you see onscreen. It gives you the control you need for printing meaningful information while minimizing waste. Download HP Smart Web Printing from this Web site: www.hp.com/go/smartweb.

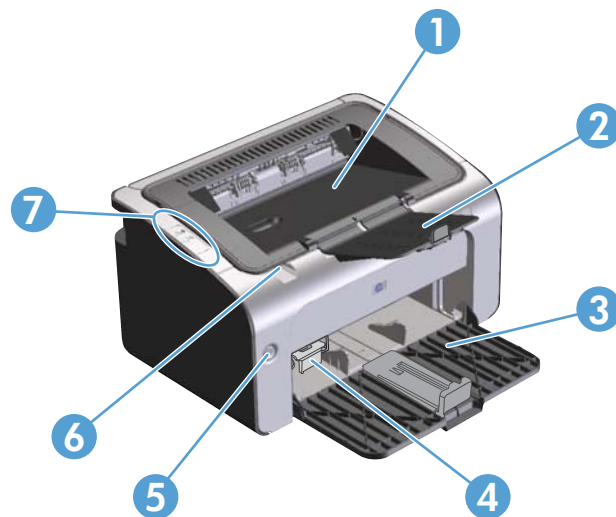
Product features

Benefit	Supporting features
Excellent print quality	• Genuine HP print cartridge. • FastRes 600 setting provides 600 dots per inch (dpi) effective print quality. FastRes 1200 setting provides 1,200 dpi effective print quality. • Adjustable settings to optimize print quality.
Supported operating systems	• Windows Vista (32-bit and 64-bit) • Windows XP (32-bit and 64-bit) • Windows 7 • Windows Server 2003 (32-bit and 64-bit) • Windows Server 2008 (32-bit and 64-bit) • Mac OS X v10.4, v10.5, v10.6
Ease of use	• HP Smart Install feature installs product software when you connect a USB cable between the product and a Windows computer. • The print cartridge is easy to install. • Convenient access to the print cartridge and to the paper path through the print-cartridge door. • Paper tray can be adjusted with one hand.
Flexible paper handling	• A 10-sheet priority input slot (wireless models only) • A 150-sheet (75 g/m² (20 lb) paper) input tray. • A 125-sheet (75 g/m² (20 lb) paper) output bin. • Manual duplexing (two-sided printing).
Interface connections	• Hi-Speed USB 2.0 port • 802.11b/g wireless networking (wireless models only)
Energy savings	• After a user-specified time, the Auto-Off feature automatically conserves electricity by substantially reducing power consumption when the product is not printing.
Economical printing	• N-up printing (printing more than one page on a sheet) and the manual two-sided printing features save paper. • EconoMode printer driver feature saves toner.
Supplies management	• Authentication for genuine HP print cartridges. • Easy ordering for replacement supplies. • Supplies status page shows estimated toner level in the print cartridge. Not available for non-HP supplies.

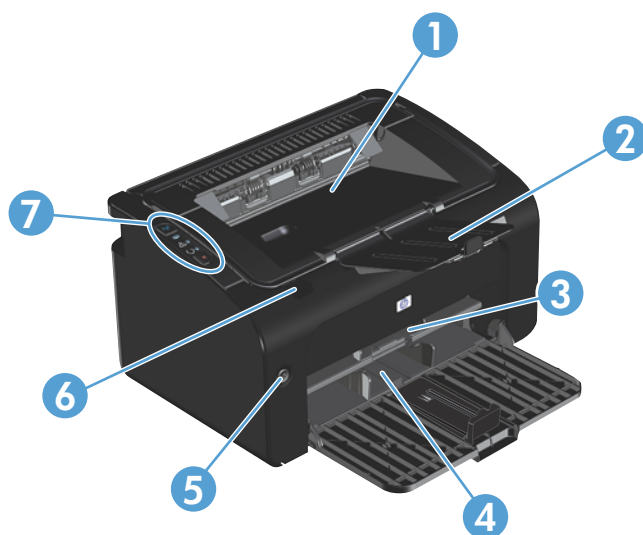
Benefit	Supporting features
Accessibility	• The online user guide is compatible with text screen-readers. • All doors and covers can be opened by using one hand.
Security	• Kensington lock receptacle on the back of the product.

Product views

Front and left side view

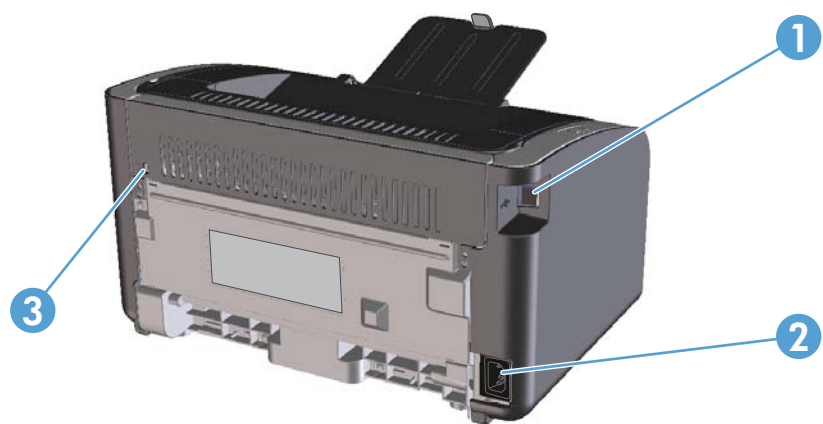


1	Output bin
2	Foldable output tray extension
3	Input tray
4	Short media extender tool
5	Power button
6	Print-cartridge door lift-tab
7	Control panel



1	Output bin
2	Foldable output tray extension
3	Priority input slot
4	Main input tray
5	Power button
6	Print-cartridge door lift-tab
7	Control panel

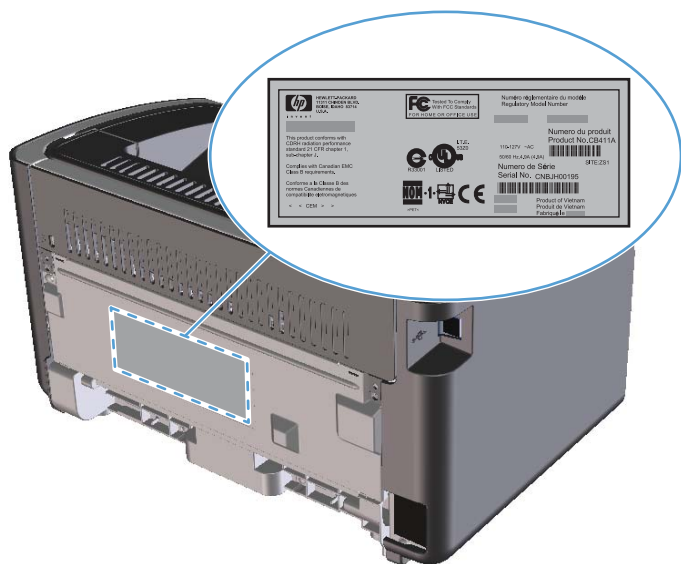
Back view



1	USB port
2	Power connector
3	Kensington lock

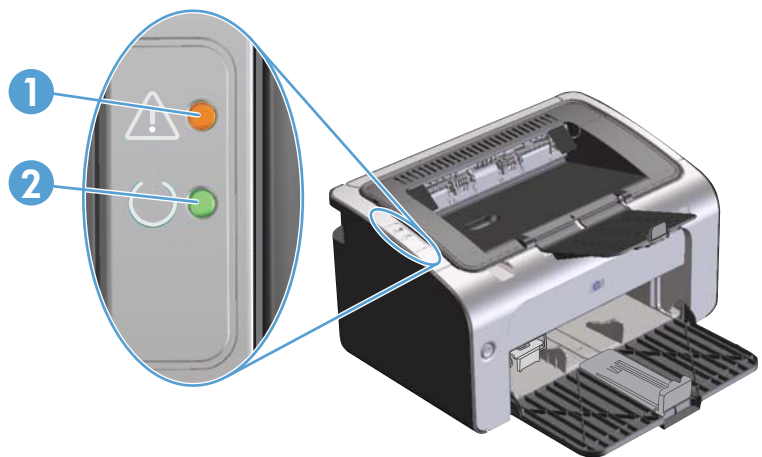
Serial number and product number location

The label that contains the product number and serial number is on the rear of the product.



Control-panel layout

 **NOTE:** See [Interpret control-panel light patterns on page 80](#) for a description of what the light patterns mean.



1	Attention  light: Indicates that the print cartridge door is open or other errors exist.
2	Ready  light: When the product is ready to print, the ready light is on. When the product is processing data, the ready light blinks.



1	Wireless  button: To detect wireless networks, press the wireless button. This button also enables and disables the wireless feature.
2	Wireless light: When the product is searching for a network, the wireless light blinks. When the product is connected to a wireless network, the wireless light is on.
3	Attention  light: Indicates that the print cartridge door is open or other errors exist.

4	Ready  light: When the product is ready to print, the ready light is on. When the product is processing data, the ready light blinks.
5	Cancel  button: To cancel the print job, press the cancel button. Press and hold the button for 5 seconds to print a configuration page.

2 Software for Windows

- [Supported operating systems for Windows](#)
- [Supported printer-drivers for Windows](#)
- [Priority for print settings](#)
- [Change printer-driver settings for Windows](#)
- [Remove software for Windows](#)
- [Supported utilities \(wireless models only\)](#)

Supported operating systems for Windows

The product comes with software for the following Windows® operating systems:

- Windows Vista (32-bit and 64-bit)
- Windows XP (32-bit and 64-bit)
- Windows 7
- Windows Server 2003 (32-bit and 64-bit)

For more information about upgrading from Windows 2000 Server to Windows Server 2003, using Windows Server 2003 Point and Print, or using Windows Server 2003 Terminal Services and Printing, go to www.microsoft.com.

- Windows Server 2008 (32-bit and 64-bit)

Supported printer-drivers for Windows

The product comes with software for Windows that allows the computer to communicate with the product. This software is called a printer driver. Printer drivers provide access to product features, such as printing on custom-sized paper, resizing documents, and inserting watermarks.



NOTE: The most recent drivers are available at www.hp.com/support/ljp1100series. Depending on the configuration of Windows-based computers, the installation program for the product software automatically checks the computer for Internet access in order to obtain the latest drivers.

In addition to the printer driver that is installed during the HP Smart Install or from the product CD, the XML Paper Specification (XPS) driver is available for download from the Web.

Priority for print settings

Changes to print settings are prioritized depending on where the changes are made:



NOTE: The names of commands and dialog boxes might vary depending on your software program.

- **Page Setup dialog box:** Click **Page Setup** or a similar command on the **File** menu of the program you are working in to open this dialog box. Settings changed here override settings changed anywhere else.
- **Print dialog box:** Click **Print**, **Print Setup**, or a similar command on the **File** menu of the program you are working in to open this dialog box. Settings changed in the **Print** dialog box have a lower priority and usually do not override changes made in the **Page Setup** dialog box.
- **Printer Properties dialog box (printer driver):** Click **Properties** in the **Print** dialog box to open the printer driver. Settings changed in the **Printer Properties** dialog box usually do not override settings anywhere else in the printing software. You can change most of the print settings here.
- **Default printer driver settings:** The default printer driver settings determine the settings used in all print jobs, *unless* settings are changed in the **Page Setup**, **Print**, or **Printer Properties** dialog boxes.

Change printer-driver settings for Windows

Change the settings for all print jobs until the software program is closed	Change the default settings for all print jobs	Change the product configuration settings
1. On the File menu in the software program, click Print. 2. Select the driver, and then click Properties or Preferences. The steps can vary; this procedure is most common.	1. Windows Vista and Windows 7: Click Start, click Control Panel, and then in the category for Hardware and Sound click Printer. -or- Windows XP, Windows Server 2003, and Windows Server 2008 (using the default Start menu view): Click Start, and then click Printers and Faxes. -or- Windows XP, Windows Server 2003, and Windows Server 2008 (using the Classic Start menu view): Click Start, click Settings, and then click Printers. 2. Right-click the driver icon, and then select Printing Preferences.	1. Windows Vista and Windows 7: Click Start, click Control Panel, and then in the category for Hardware and Sound click Printer. -or- Windows XP, Windows Server 2003, and Windows Server 2008 (using the default Start menu view): Click Start, and then click Printers and Faxes. -or- Windows XP, Windows Server 2003, and Windows Server 2008 (using the Classic Start menu view): Click Start, click Settings, and then click Printers. 2. Right-click the driver icon, and then select Properties. 3. Click the Device Settings tab.

Remove software for Windows

Use the uninstall utility to remove Windows software

1. Click the **Start** button, and then click the **Programs** or **All Programs** menu item.
2. Click the **HP** menu item, and then click the **HP LaserJet Professional P1100 Printer series** menu item.
3. Click the **Uninstall** menu item, and then follow the onscreen instructions to remove the software.

Use the Windows Control Panel to remove software

Windows XP, Windows Server 2003, and Windows Server 2008

1. Click the **Start** button, click the **Control Panel** item, and then click the **Add or Remove Programs** item.
2. Find and select the product from the list.
3. Click the **Change/Remove** button to remove the software.

Windows Vista and Windows 7

1. Click the **Start** button, click the **Control Panel** item, and then click the **Programs and Features** item.
2. Find and select the product from the list.
3. Select the **Uninstall/Change** option.

Supported utilities (wireless models only)

Embedded Web server

The product is equipped with an embedded Web server, which provides access to information about product and network activities. This information appears in a Web browser, such as Microsoft Internet Explorer, Apple Safari, or Firefox.

The embedded Web server resides on the product. It is not loaded on a network server.

The embedded Web server provides an interface to the product that anyone who has a network-connected computer and a standard Web browser can use. No special software is installed or configured, but you must have a supported Web browser on your computer. To gain access to the embedded Web server, type the IP address for the product in the address line of the browser. (To find the IP address, print a configuration page. For more information about printing a configuration page, see [Print the information pages on page 56.](#))

For a complete explanation of the features and functionality of the embedded Web server, see [HP Embedded Web Server sections on page 58.](#)

3 Use the product with Mac

- [Software for Mac](#)
- [Print with Mac](#)

Software for Mac

Supported operating systems for Macintosh

The product supports the following Macintosh operating systems:

- Mac OS X v10.4, v10.5, and v10.6



NOTE: PPC and Intel® Core™ processors are supported.

Supported printer drivers for Macintosh

The HP LaserJet software installer provides PostScript® Printer Description (PPD) files, a CUPS driver, and the HP Printer Utilities for Mac OS X. The HP printer PPD file, in combination with the CUPS driver, provides full printing functionality and access to specific HP printer features.

Remove software for Mac

Use the uninstall utility to remove the software.

1. Browse to the following folder:

Library/Printers/hp/laserjet/P1100_P1560_P1600Series/

2. Double-click the **HP Uninstaller.app** file.
3. Click the **Continue** button, and then follow the onscreen instructions to remove the software.

Priority for print settings for Mac

Changes to print settings are prioritized depending on where the changes are made:



NOTE: The names of commands and dialog boxes might vary depending on your software program.

- **Page Setup dialog box:** Click **Page Setup** or a similar command on the **File** menu of the program you are working in to open this dialog box. Settings changed here might override settings changed anywhere else.
- **Print dialog box:** Click **Print**, **Print Setup**, or a similar command on the **File** menu of the program you are working in to open this dialog box. Settings changed in the **Print** dialog box have a lower priority and do *not* override changes made in the **Page Setup** dialog box.
- **Default printer driver settings:** The default printer driver settings determine the settings used in all print jobs, *unless* settings are changed in the **Page Setup** or **Print** dialog boxes.

Change printer-driver settings for Macintosh

Change the settings for all print jobs until the software program is closed	Change the default settings for all print jobs	Change the product configuration settings
1. On the File menu, click Print. 2. Change the settings that you want on the various menus.	1. On the File menu, click Print. 2. Change the settings that you want on the various menus. 3. On the Presets menu, click Save as and type a name for the preset. These settings are saved in the Presets menu. To use the new settings, you must select the saved preset option every time you open a program and print.	Mac OS X v10.4 1. From the Apple menu, click System Preferences and then Print & Fax. 2. Click Printer Setup. 3. Click the Installable Options menu. Mac OS X v10.5 and v10.6 1. From the Apple menu, click System Preferences and then Print & Fax. 2. Click Options & Supplies. 3. Click the Driver menu. 4. Select the driver from the list, and configure the installed options.

Software for Mac computers

HP Printer Utility for Mac

Use the HP LaserJet Utility to print the product information pages and to change the Auto-Off setting from a Mac computer.

To open the HP LaserJet Utility, complete the procedure below.

- ▲ Open the Print Queue, and then click the **Utility** icon.

Install software for Mac computers on a wireless network

Before installing the product software, make sure the product is not connected to the network using a network cable.



NOTE: You must have Mac OS X V10.6 to install the product on a wireless network.

To connect the product to a computer on a wireless network, follow these steps:

1. Open Finder in the dashboard.
2. Click **Applications**, and then double-click **System Preferences**, and then click **Print & Fax**.
3. Open **Print Queue**, click **Printer Setup**, click the **Utility** tab, and then click **Open Printer Utility**.
4. Click **HTMLConfig**.
5. Click the **Networking** tab, and then click **Wireless** in the list on the left.
6. Under **Communication Mode**, click Infrastructure, select a network name from the **Available Network Names (SSID)** list, and then click the << button.
7. From the **Security Mode** pop-up menu under **Authentication**, click **WEP**.
8. Type the WEP key and then click **Apply**.
9. Click **OK** in the confirmation box.
10. Close the **HTML Config** windows and the **Print Queue** window.
11. In the Print & Fax window, choose the USB option (listed with the product model) and then click the minus - button.
12. When the window with the list of printers appears, choose the Bonjour option (listed with the product model), and then click **Add**.

Supported utilities for Mac (wireless models only)

Embedded Web server

Network models are equipped with an embedded Web server, which provides access to information about device and network activities. This information appears in a Web browser, such as Microsoft Internet Explorer, Netscape Navigator, Apple Safari, or Firefox.

The embedded Web server resides on the device. It is not loaded on a network server.

The embedded Web server provides an interface to the device that anyone who has a network-connected computer and a standard Web browser can use. No special software is installed or configured, but you must have a supported Web browser on your computer. To gain access to the embedded Web server, type the IP address for the device in the address line of the browser. (To find the IP address, print a configuration page.)

Print with Mac

Create and use printing presets in Macintosh

Use printing presets to save the current printer driver settings for reuse.

Create a printing preset

1. On the **File** menu, click **Print**.
2. Select the driver.
3. Select the print settings.
4. In the **Presets** box, click **Save As...**, and type a name for the preset.
5. Click **OK**.

Use printing presets

1. On the **File** menu, click **Print**.
2. Select the driver.
3. In the **Presets** box, select the printing preset that you want to use.



NOTE: To use printer-driver default settings, select **Standard**.

Resize documents or print on a custom paper size

You can scale a document to fit on a different size of paper.

1. On the **File** menu, click **Print**.
2. Open the **Paper Handling** menu.
3. In the area for **Destination Paper Size**, select **Scale to fit paper size**, and then select the size from the drop-down list.
4. If you want to use only paper that is smaller than the document, select **Scale down only**.

Print a cover page

You can print a separate cover page for your document that includes a message (such as “Confidential”).

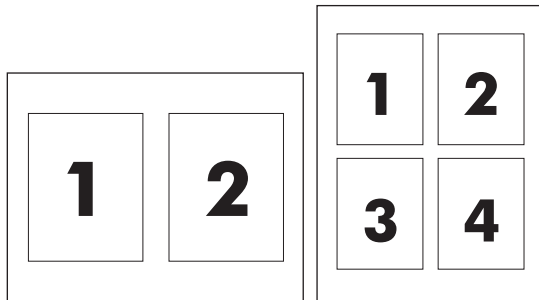
1. On the **File** menu, click **Print**.
2. Select the driver.

3. Open the **Cover Page** menu, and then select whether to print the cover page **Before Document** or **After Document**.
4. In the **Cover Page Type** menu, select the message that you want to print on the cover page.

 **NOTE:** To print a blank cover page, select **Standard** as the **Cover Page Type**.

Print multiple pages on one sheet of paper in Macintosh

You can print more than one page on a single sheet of paper. This feature provides a cost-effective way to print draft pages.



1. On the **File** menu, click **Print**.
2. Select the driver.
3. Open the **Layout** menu.
4. Next to **Pages per Sheet**, select the number of pages that you want to print on each sheet (1, 2, 4, 6, 9, or 16).
5. Next to **Layout Direction**, select the order and placement of the pages on the sheet.
6. Next to **Borders**, select the type of border to print around each page on the sheet.

Print on both sides (duplex)

Print on both sides manually

1. Insert enough paper into the input tray to accommodate the print job. If you are loading special paper such as letterhead, load it face-down in the tray.
2. On the **File** menu, click **Print**.
3. **Mac OS X v10.4:** In the **Layout** drop-down list, select the **Long-edged binding** item or the **Short-edged binding** item.

-or-

Mac OS X v10.5 and v10.6: Click the **Two-sided** check box.

4. Click **Print**. Follow the instructions in the dialog box that opens on the computer screen before placing the output stack in the tray for printing the second half.

5. Go to the product, and remove any blank paper that is in the tray.
6. Take the printed stack from the output bin, and then insert the stack printed side down into the tray with the top edge feeding into the product first.
7. At the computer, click the **Continue** button to finish the print job.

4 Connect the product

- [Supported network operating systems \(wireless models only\)](#)
- [USB connection](#)
- [Network connection \(wireless models only\)](#)

Supported network operating systems (wireless models only)

The product supports the following operating systems for wireless printing:

- Windows Vista (32-bit and 64-bit)
- Windows XP (32-bit and 64-bit)
- Windows 7
- Windows Server 2003 (32-bit and 64-bit)
- Windows Server 2008 (32-bit and 64-bit)
- Mac OS X v10.4, v10.5, and v10.6

USB connection

This product supports a Hi-Speed USB 2.0 connection. You must use an A-to-B type USB cable that is no longer than 2 m (6.56 ft).

HP Smart Install

 **NOTE:** This installation type is supported for Windows only.

The HP Smart Install allows you to install the product driver and software by connecting the product to a computer through a USB cable.

 **NOTE:** The installation CD is not required during a HP Smart Install. Do not insert the software installation CD into the computer CD drive.

1. Turn the product on.
2. Connect the USB cable.
3. The HP Smart Install program should start automatically. Follow the onscreen instructions to install the software.
 - If the HP Smart Install program does not start automatically, AutoPlay might be disabled on the computer. Browse the computer and double-click the HP Smart Install drive to run the program. If you cannot find the HP Smart Install drive, use the product installation CD to install the software.
 - If the program prompts you to select a connection type, select the connection type you will use to print to the product after installation.

CD installation

1. Insert the software installation CD into the computer CD drive.

 **NOTE:** Do not connect the USB cable until prompted.

2. If the installation program does not start automatically, browse the CD contents and run the SETUP.EXE file.
3. Follow the onscreen instructions to install the software.

When you use the CD to install the software, you can choose the following types of installations:

- Easy Install (recommended)

You will not be prompted to accept or make changes to default settings, and you automatically will accept the software license agreement.

- Advanced Install

You will be prompted to accept or make changes to default settings.

Network connection (wireless models only)

The product can connect to wireless networks.

Supported network protocols

To connect a networking-equipped product to a network, you need a network that uses one of the following protocols.

- TCP/IP (IPv4 or IPv6)
- Port 9100
- LPR
- DHCP
- AutoIP
- SNMP
- Bonjour
- SLP
- WSD
- NBNS

Install the product on a wireless network with HP Smart Install



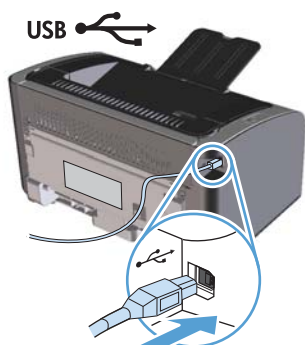
NOTE: This installation type is supported for Windows only.

The HP Smart Install allows you to install the product driver and software by connecting the product to a computer through a USB cable. If the product previously has been installed on a network, reset the wireless defaults. See [Restore default wireless settings on page 31](#).



NOTE: The installation CD is not required during a HP Smart Install. Do not insert the software installation CD into the computer CD drive.

1. Turn on the product, and then connect the USB cable to the product and the computer. The installation program should start automatically.



- If the HP Smart Install program does not start automatically, AutoPlay might be disabled on the computer. Browse the computer and double-click the HP Smart Install drive to run the program. If you cannot find the HP Smart Install drive, use the product installation CD to install the software.
 - If the program prompts you to select a connection type, select the connection type you will use to print to the product after installation.
2. Follow the onscreen instructions to complete the product installation.
 3. When the installation is complete, if you want to verify that the product has a network IP address, print a configuration page. Press and hold the product cancel **X** button until the ready **U** light blinks, and then release the button to print the configuration page.

Install the product on a wireless network with the software CD

1. Insert the software CD into the computer CD tray.
If the installation program does not start automatically, browse the CD contents and run the SETUP.EXE file.
2. Follow the onscreen instructions to complete the product installation.
3. When the installation is complete, if you want to verify that the product has a network IP address, print a configuration page. Press and hold the product cancel **X** button until the ready **U** light blinks, and then release the button to print the configuration page.

Install the software for a product currently on the network

When the product previously has been installed on a network computer (so that it already has an IP address), and you want to install the printer driver on another computer, complete the following steps.

1. At the computer, open the HP Embedded Web Server. See [Open the HP Embedded Web Server by using a network connection on page 57](#).
2. Click the **HP Smart Install** tab.
3. Click the **Download** button.
4. Follow the onscreen instructions to complete the product installation.

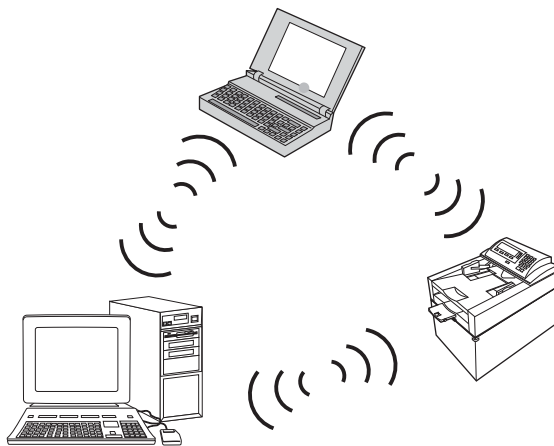
Perform a peer-to-peer (ad-hoc) wireless installation

The product can be installed wirelessly to a computer through a peer-to-peer (ad-hoc) installation.

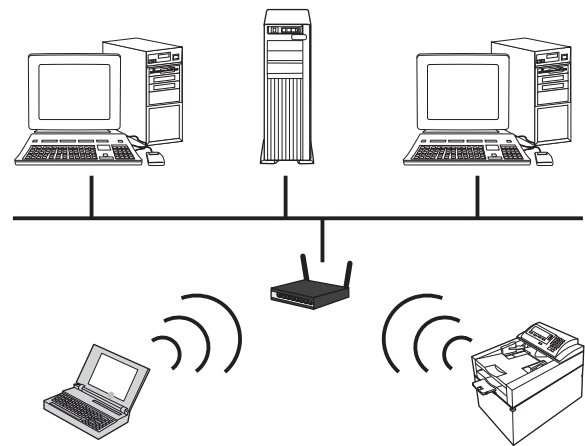
1. Turn on the product, and then restore the network setting.
2. Print a configuration page (see [Configuration page on page 56](#)), and find the network name (SSID) in the Network Information section.
3. Refresh the computer wireless network connection list, and then click the product network name (SSID) and connect to it.
4. After several minutes, print a configuration page, and then find the product IP address.
5. At the computer, open a web browser, type the product IP address in the address box, and then press the **Enter** key to open the HP Embedded Web Server.
6. Click the **HP Smart Install** tab, and then click the **Download** button to install the product software.

The figures below show the difference between an ad-hoc network connection and an infrastructure network connection.

Ad-hoc network



Infrastructure network



Turn off the product wireless unit

If you want to disconnect the product from a wireless network, you can turn off the wireless unit in the product.

1. At the product control panel, press and hold the wireless button for more than 5 seconds.
2. To confirm that the wireless unit is turned off, print a configuration page, and then verify that the product IP address is specified as 0.0.0.0 on the configuration page.

Configure the network product

Use the Wireless Configuration utility

Use the Wireless Configuration utility to configure the product to print on a wireless network.

1. Connect the wireless product to the computer through a USB cable.
2. Click the **Start** button, and then click the **Programs** or **All Programs** menu item.
3. Click the **HP** menu item, and then click the **HP LaserJet Professional P1100 Printer series** menu item.
4. Click the **Wireless Configuration** menu item.
5. Follow the onscreen instructions to configure the product to print on a wireless network.

Restore default wireless settings

1. Turn the product off.
2. Press and hold the wireless (i) button and the cancel X button, and then turn the product on.
3. Hold the buttons until all the lights blink in unison, and then release the buttons.

View or change network settings

Use the embedded Web server to view or change IP configuration settings.

1. Print a configuration page, and locate the IP address.
 - If you are using IPv4, the IP address contains only digits. It has this format:
`xxx.xxx.xxx.xxx`
 - If you are using IPv6, the IP address is a hexadecimal combination of characters and digits. It has a format similar to this:
`xxxx:xxxx:xxxx:xxxx:xxxx`
2. To open the embedded Web server, type the IP address into the address line of a Web browser.
3. Click the **Networking** tab to obtain network information. You can change settings as needed.

Set or change the network password

Use the embedded Web server to set a network password or change an existing password.

1. Open the embedded Web server, click the **Networking** tab, and click the **Password** link.



NOTE: If a password has previously been set, you are prompted to type the password. Type the password, and then click the **Apply** button.

2. Type the new password in the **Password** box and in the **Confirm Password** box.
3. At the bottom of the window, click the **Apply** button to save the password.

IP address

The product IP address can be set manually, or it can be configured automatically using DHCP, BootP, or AutoIP.

To change the IP address manually, use the HP Embedded Web Server.

1. Open the HP Embedded Web Server, and then click the **Networking** tab.
2. In the navigation pane, click the **IPv4 Configuration** link or the **IPv6 Configuration** link.
3. In the **IP Address Configuration** section, click the **Manual IP** option.
4. Type the required data in the **Manual IP Address** box, the **IP Subnet Mask** box, and the **Manual Default Gateway** box.
5. Click the **Apply** button.

Link speed setting

Use the **Networking** tab in the HP Embedded Web Server to set the link speed if necessary. The setting is on the **Advanced** page.

Incorrect changes to the link speed setting might prevent the product from communicating with other network devices. For most situations, leave the product in automatic mode. Changes can cause the product to turn off, and then on. Only make changes when the product is idle.

5 Paper and print media

- [Understand paper and print media use](#)
- [Special paper or print media guidelines](#)
- [Change the print driver to match the media type and size](#)
- [Supported paper sizes](#)
- [Supported paper types and tray capacity](#)
- [Paper orientation for loading trays](#)
- [Load paper trays](#)

Understand paper and print media use

This product supports a variety of paper and other print media in accordance with the guidelines in this user guide. Paper or print media that does not meet these guidelines might cause poor print quality, increased jams, and premature wear on the product.

For best results, use only HP-brand paper and print media designed for laser printers or multiuse. Do not use paper or print media made for inkjet printers. Hewlett-Packard Company cannot recommend the use of other brands of media because HP cannot control their quality.

It is possible for paper to meet all of the guidelines in this user guide and still not produce satisfactory results. This might be the result of improper handling, unacceptable temperature and/or humidity levels, or other variables over which Hewlett-Packard has no control.

 **CAUTION:** Using paper or print media that does not meet Hewlett-Packard's specifications might cause problems for the product, requiring repair. This repair is not covered by the Hewlett-Packard warranty or service agreements.

Special paper or print media guidelines

This product supports printing on special media. Use the following guidelines to obtain satisfactory results. When using special paper or print media, be sure to set the type and size in the printer driver to obtain the best results.

⚠ CAUTION: HP LaserJet products use fusers to bond dry toner particles to the paper in very precise dots. HP laser paper is designed to withstand this extreme heat. Using inkjet paper could damage the product.

Media type	Do	Do not
Envelopes	• Store envelopes flat. • Use envelopes where the seam extends all the way to the corner of the envelope. • Use peel-off adhesive strips that are approved for use in laser printers.	• Do not use envelopes that are wrinkled, nicked, stuck together, or otherwise damaged. • Do not use envelopes that have clasps, snaps, windows, or coated linings. • Do not use self-stick adhesives or other synthetic materials.
Labels	• Use only labels that have no exposed backing between them. • Use labels that lie flat. • Use only full sheets of labels.	• Do not use labels that have wrinkles or bubbles, or are damaged. • Do not print partial sheets of labels.
Transparencies	• Use only transparencies that are approved for use in laser printers. • Place transparencies on a flat surface after removing them from the product.	• Do not use transparent print media not approved for laser printers.
Letterhead or preprinted forms	• Use only letterhead or forms approved for use in laser printers.	• Do not use raised or metallic letterhead.
Heavy paper	• Use only heavy paper that is approved for use in laser printers and meets the weight specifications for this product.	• Do not use paper that is heavier than the recommended media specification for this product unless it is HP paper that has been approved for use in this product.
Glossy or coated paper	• Use only glossy or coated paper that is approved for use in laser printers.	• Do not use glossy or coated paper designed for use in inkjet products.

Change the print driver to match the media type and size

Selecting media by type and size results in significantly better print quality for heavy paper, glossy paper, and overhead transparencies. Using the wrong setting can result in unsatisfactory print quality. Always print by type for special print media, such as labels or transparencies. Always print by size for envelopes.



NOTE: Depending on the software program, the commands and dialog box names that follow might be different.

1. On the **File** menu in the software program, click the **Print** menu item.
2. Select the driver, and then click the **Properties** button or the **Preferences** button.
3. Click the **Paper/Quality** tab.
4. In the **Type is** or **Size is** list box, select the correct media type or size.
5. Click the **OK** button.

Supported paper sizes

This product supports various paper sizes, and it adapts to various media.

 **NOTE:** To obtain best print results, select the appropriate paper size and type in your print driver before printing.

Table 5-1 Supported paper and print media sizes

Size	Dimensions	Input tray	Priority input slot (wireless models only)
Letter	216 x 279 mm (8.5 x 11 in)	✓	✓
Legal	216 x 356 mm (8.5 x 14 in)	✓	✓
A4	210 x 297 mm (8.27 x 11.69 in)	✓	✓
Executive	184 x 267 mm (7.25 x 10.5 in)	✓	✓
A5	148 x 210 mm (5.83 x 8.27 in)	✓	✓
A6	105 x 148 mm (4.13 x 5.83 in)	✓	✓
B5 (JIS)	182 x 257 mm (7.17 x 10.12 in)	✓	✓
16k	184 x 260 mm (7.24 x 10.23 in)	✓	✓
	195 x 270 mm (7.68 x 10.62 in)		
	197 x 273 mm (7.75 x 10.75 in)		
Custom	Minimum: 76 x 127 mm (3 x 5 in)	✓	✓
	Maximum: 216 x 356 mm (8.5 x 14.0 in)		

Table 5-2 Supported envelopes and postcards

Size	Dimensions	Input tray	Priority input slot (wireless models only)
Envelope #10	105 x 241 mm (4.13 x 9.49 in)	✓	✓
Envelope DL	110 x 220 mm (4.33 x 8.66 in)	✓	✓
Envelope C5	162 x 229 mm (6.93 x 9.84 in)	✓	✓
Envelope B5	176 x 250 mm (6.7 x 9.8 in)	✓	✓
Envelope Monarch	98 x 191 mm (3.9 x 7.5 in)	✓	✓
Double postcard (JIS)	148 x 200 mm (5.83 x 7.87 in)	✓	✓

Supported paper types and tray capacity

Supported paper and print media types

For a complete list of specific HP-brand paper that this product supports, go to www.hp.com/support/lip1100series.

Paper type (printer driver)	Input tray	Priority input slot (wireless models only)
Paper, including the following types: • Plain • Vellum • Recycled	✓	✓
Rough	✓	✓
Envelope	✓	✓
Labels	✓	✓
Cardstock	✓	✓
Transparency	✓	✓
Postcards	✓	✓

Tray and bin capacity

Tray or bin	Paper type	Specifications	Quantity
Input tray	Paper	Range: 60 g/m ² (16 lb) bond to 163 g/m ² (43 lb) bond	150 sheets of 75 g/m ² (20 lb) bond
	Envelopes	60 g/m ² (16 lb) bond to 90 g/m ² (24 lb) bond	Up to 10 envelopes
	Transparencies	Minimum 0.13 mm (0.005 in) thick	Up to 75 transparencies

Tray or bin	Paper type	Specifications	Quantity
Output bin	Paper	Range: 60 g/m ² (16 lb) bond to 163 g/m ² (43 lb) bond	Up to 125 sheets of 75 g/m ² (20 lb) bond
	Envelopes	Less than 60 g/m ² (16 lb) bond to 90 g/m ² (24 lb) bond	Up to 10 envelopes
	Transparencies	Minimum 0.13 mm (0.005 in) thick	Up to 75 transparencies

Paper orientation for loading trays

If you are using paper that requires a specific orientation, load it according to the information in the following table.

Paper type	How to load paper
Preprinted or letterhead	• Face up • Top edge leading into the product
Prepunched	• Face up • Holes toward the left side of the product
Envelope	• Face up • Left short edge leading into the product

Load paper trays

 **CAUTION:** If you try to print on media that is wrinkled, folded, or damaged in any way, a jam might occur. See [Clear jams on page 83](#) for more information.

Priority feed slot

The priority feed slot holds up to 10 sheets of media or one envelope, one transparency, or one sheet of labels or cardstock. Load media with the top forward and the side to be printed on facing up. To prevent jams and skewing, always adjust the side media guides before feeding the media.

Input tray

The input tray holds 150 pages of 75 g/m² (20 lb) paper, or fewer sheets of heavier media (a 15 mm (0.6 in) stack height or less).

Load media with the top forward and the side to be printed on facing up. To prevent jams and skewing, always adjust the side and front media guides.

 **NOTE:** When you add new media, make sure that you remove all of the media from the input tray and straighten the entire stack. This helps prevent multiple sheets of media from feeding through the product at one time, reducing media jams.

Tray adjustment for short media (base models only)

To print on media shorter than 185 mm (7.28 in), use the short media extender to adjust your input tray.

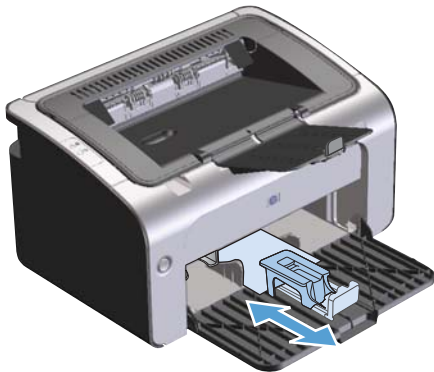
1. Remove the short media extender tool from the storage slot on the left side of the media input area.



2. Attach the tool to the adjustable media guide.



3. Insert the media into the product until it stops, and then slide the adjustable media guide, with the tool attached to support the media.



4. When finished printing with short media, remove the short media extender tool, and then place it back in the storage slot.

6 Print tasks

- [Cancel a print job](#)
- [Print with Windows](#)

Cancel a print job

You can stop a print job by using the software program.



NOTE: It can take several minutes for all print jobs to clear after you have canceled a print job.

Stop the current print job from the control panel (wireless models only)

- ▲ Press the cancel **X** button on the control panel.

Stop the current print job from the software program

When you send the print job, a dialog box opens briefly on the screen, giving you the option to cancel the print job.

If several jobs are sent to the product through your software, they might be waiting in a print queue (for example, in Windows Print Manager). See the software program documentation for specific instructions about canceling a print job from the computer.

If a print job is waiting in a print queue or print spooler, delete the print job there.

1. **Windows Vista and Windows 7:** Click **Start**, click **Control Panel**, and then in the category for **Hardware and Sound** click **Printer**.

-or-

Windows XP, Windows Server 2003, and Windows Server 2008 (using the default Start menu view): Click **Start**, click **Settings**, and then click **Printers and Faxes**.

-or-

Windows XP, Windows Server 2003, and Windows Server 2008 (using the Classic Start menu view): Click **Start**, click **Settings**, and then click **Printers**.

2. In the list of printers, double-click the name of this product to open the print queue or spooler.
3. Select the print job that you want to cancel, right-click the job, and then click the **Cancel** or **Delete** item.

Print with Windows



NOTE: Depending on the software program, the commands and dialog box names that follow might be different.

Open the Windows printer driver

1. On the **File** menu in the software program, click **Print**.
2. Select the product, and then click **Properties** or **Preferences**.

Get help for any print option with Windows

Printer-driver Help is separate from program Help. The printer-driver help provides explanations for the buttons, check boxes, and drop-down lists that are in the printer driver. It also includes instructions for performing common printing tasks, such as printing on both sides, printing multiple pages on one sheet, and printing the first page or covers on different paper.

Activate the printer-driver Help screens in one of the following ways:

- In the printer driver **Properties** dialog box, click the **Help** button.
- Press the **F1** key on the computer keyboard.
- Click the question-mark symbol in the upper-right corner of the printer driver.
- Right-click on any item in the driver.

Change the number of print copies with Windows

1. Open the printer driver, click the **Properties** or **Preferences** button, and then click the **Advanced** tab.
2. In the **Copies** area, use the arrow buttons to adjust the number of copies.
If you are printing multiple copies, click the **Collate** check box to collate the copies.
3. Click the **OK** button.

Print colored text as black with Windows

1. Open the printer driver, click the **Properties** or **Preferences** button, and then click the **Advanced** tab.
2. Click the **Print All Text as Black** check box.
3. Click the **OK** button.

Save custom print settings for reuse with Windows

Use a printing quick set

1. Open the printer driver, and then click the **Properties** or **Preferences** button. The **Print Tasks Quick Sets** drop-down list appears on all tabs except the **Services** tab.
2. In the **Print Tasks Quick Sets** drop-down list, select one of the quick sets, and then click **OK** to print the job with the predefined settings.

Create a custom printing quick set

1. Open the printer driver, and then click the **Properties** or **Preferences** button. The **Print Tasks Quick Sets** drop-down list appears on all tabs except the **Services** tab.
2. Select an existing quick set as a base.
3. Select the print options for the new quick set.
4. Click **Save As**, type a name for the quick set, and then click **OK**.

Improve print quality with Windows

Select a page size

1. Open the printer driver, click the **Properties** or **Preferences** button, and then click the **Paper/Quality** tab.
2. Select a size from the **Size is** drop-down list.
3. Click the **OK** button.

Select a custom page size

1. Open the printer driver, and then click the **Paper/Quality** tab.
2. Click the **Custom** button. The **Custom Paper Size** dialog box opens.
3. Type a name for the custom size, specify the dimensions, and then click **Save**.
4. Click the **Close** button, and then click the **OK** button.

Select a paper type

1. Open the printer driver, click the **Properties** or **Preferences** button, and then click the **Paper/Quality** tab.
2. Select a type from the **Type is** drop-down list.
3. Click the **OK** button.

Select the print resolution

1. Open the printer driver, click the **Properties** or **Preferences** button, and then click the **Paper/Quality** tab.
2. In the **Print Quality** area, select an option from the drop-down list. See the printer-driver online Help for information about each of the available options.



NOTE: To use a draft-quality resolution, in the **Print Quality** area, click the **EconoMode** check box.

3. Click the **OK** button.

Print the first or last page on different paper with Windows

1. Open the printer driver, click the **Properties** or **Preferences** button, and then click the **Paper/Quality** tab.
2. Click the **Use Different Paper/Covers** check box, and then select the necessary settings for the front cover, other pages, and back cover.
3. Click the **OK** button.

Scale a document to fit page size with Windows

1. Open the printer driver, click the **Properties** or **Preferences** button, and then click the **Effects** tab.
2. Click the **Print document on** check box, and then select a size from the drop-down list.
3. Click the **OK** button.

Add a watermark to a document with Windows

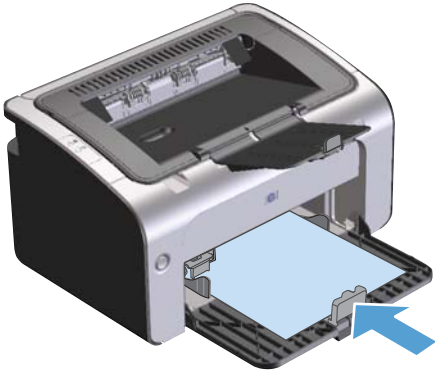
1. Open the printer driver, click the **Properties** or **Preferences** button, and then click the **Effects** tab.
2. Select a watermark from the **Watermarks** drop-down list.

To print the watermark on the first page only, click the **First page only** check box. Otherwise, the watermark is printed on each page.
3. Click the **OK** button.

Print on both sides (duplex) with Windows

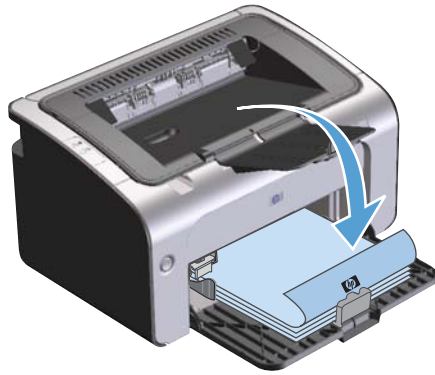
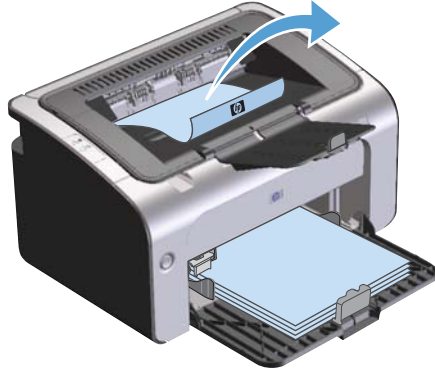
Manually print on both sides (duplex)

1. Load paper face-up in the input tray.



2. Open the printer driver, and then click the **Properties** or **Preferences** button.
3. Click the **Finishing** tab.
4. Click the **Print On Both Sides (manually)** check box. If you will bind the document along the top edge, click the **Flip pages up** check box.
5. Click the **OK** button to print the first side of the job.

6. Retrieve the printed stack from the output bin, and, maintaining the paper orientation, place it with the printed-side facing down in the input tray.



7. At the computer, click the **Continue** button to print the second side of the job.

Create a booklet with Windows

1. Open the printer driver, click the **Properties** or **Preferences** button, and then click the **Finishing** tab.
2. Click the **Print on both sides (manually)** check box.
3. In the **Booklet layout** drop-down list, click the **Left binding** or **Right binding** option. The **Pages per sheet** option automatically changes to **2 pages per sheet**.
4. Click the **OK** button.

Print multiple pages per sheet with Windows

1. Open the printer driver, click the **Properties** or **Preferences** button, and then click the **Finishing** tab.
2. Select the number of pages per sheet from the **Pages per sheet** drop-down list.
3. Select the correct options for **Print Page Borders**, **Page Order**, and **Orientation**.
4. Click the **OK** button.

Select page orientation with Windows

1. Open the printer driver, click the **Properties** or **Preferences** button, and then click the **Finishing** tab.
2. In the **Orientation** area, select the **Portrait** or **Landscape** option.
To print the page image upside down, select the **Rotate by 180 degrees** option.
3. Click the **OK** button.

Use HP ePrint

HP ePrint is a suite of Web-based printing services that enable a supported HP product to print documents of the following types:

- E-mail messages and attachments sent directly to the HP product's e-mail address
- Documents from select mobile device print applications

Use HP Cloud Print

Use HP Cloud Print to print e-mail messages and attachments by sending them to the product's e-mail address from any e-mail enabled device.



NOTE: The product must be connected to a wired or wireless network. To use HP Cloud Print, you must first have access to the Internet and enable HP Web Services.

1. Enable HP Web Services in the HP Embedded Web Server (EWS) by following these steps:
 - a. After the product is connected to the network, print a configuration page and identify the product IP address.
 - b. At your computer, open a Web browser and enter the product IP address into the address line. The HP EWS appears.

- c. Click the **HP Web Services** tab. If your network does not use a proxy server to access the Internet, proceed to the next step. If your network uses a proxy server to access the Internet, follow these instructions before proceeding to the next step:
 - i. Select the **Proxy Settings** tab.
 - ii. Select the **Check this box if your network uses a proxy server to access the Internet** check box.
 - iii. In the **Proxy Server** field, enter the proxy server address and port number, and then click the **Apply** button.
 - d. Select the HP Web Services tab and click the **Enable** button. The product configures the connection to the Internet, and then a message appears informing you that an information sheet will be printed.
 - e. Click the **OK** button. An ePrint page prints out. On the ePrint page, look for the e-mail address that is automatically assigned to the product.
 2. To print a document, attach it to an e-mail message, and then send the message to the product's e-mail address. Go to www.hpeprintcenter.com for a list of supported document types
 3. Optionally, use the HP ePrintCenter Web site to define security settings and to configure default print settings for all HP ePrint jobs sent to this product:
 - a. Open a Web browser and go to www.hpeprintcenter.com.
 - b. Click **Sign In**, and enter your HP ePrintCenter credentials or sign up for a new account.
 - c. Select your product from the list, or click the **+ Add printer** button to add it. To add the product, you need the product code, which is the segment of the product e-mail address that is before the @ symbol.



NOTE: This code is valid for only 24 hours from the time you enable HP Web Services. If it expires, follow the instructions to enable HP Web Services again, and obtain a new code.

- d. Click the **Setup** button. The **HP ePrint Settings** dialog box appears. Three tabs are available:
 - **Allowed Senders.** To prevent your product from printing unexpected documents, click the **Allowed Senders** tab. Click **Allowed Senders Only**, and then add the e-mail addresses from which you want to allow ePrint jobs.
 - **Print Options.** To set up default settings for all ePrint jobs sent to this product, click the **Print Options** tab, and then select the settings that you want to use.
 - **Advanced.** To change the product's e-mail address, click the **Advanced** tab.

Use HP Direct Print (wireless models only)

Use HP Direct Print to print directly to the product from any mobile device (such as a smart phone, net book, or laptop computer).

 **NOTE:** No setup is necessary, but HP Direct Print must be enabled. Your mobile device must have an HP print application installed.

The HP LaserJet Professional P1102w model does not support HP Direct Print.

1. To enable HP Direct Print, follow these steps:

- a. After the product is connected to the network, print a configuration page and identify the product IP address.
- b. At your computer, open a Web browser and enter the product IP address into the address line. The HP EWS screen appears.
- c. Click the **Networking** tab.
- d. On the **Networking** page, click **Wireless Direct Setup**. Select the check box, enter the network name (SSID) in the **Wireless Direct Printing Name (SSID)** field, and then click the **Apply** button. The IP address of the mobile device appears in the **Networking** page.

 **NOTE:** To find the network name (SSID), click the **Wireless Configuration** menu in the **Networking** page.

2. To print a document from an application, select **File**, and then select **Print**.

 **NOTE:** If only one product that supports HP Direct Print is connected to the wireless network, the document prints. If more than one product that supports HP Direct Print is connected, a list of products appears; you must select your product before proceeding to the next step. If no product is discovered, follow the instructions in step 1 to connect the product.

Use AirPrint

Direct printing using Apple's AirPrint is supported for iOS 4.2 or later. Use AirPrint to print directly to the product from an iPad (iOS 4.2), iPhone (3GS or later), or iPod touch (third generation or later) in the following applications:

- Mail
- Photos
- Safari
- Select third-party applications

 **NOTE:** The product must be connected to a wired or wireless network.

To print, follow these steps:

1. Tap the **action**  item.

2. Tap **Print**.



NOTE: If you are printing for the first time, or if your previously selected product is not available, you must select a product before proceeding to the next step.

3. Configure the print options and then tap **Print**.

7 Manage and maintain the product

- [Print the information pages](#)
- [Use the HP Embedded Web Server \(wireless models only\)](#)
- [Economy settings](#)
- [Manage supplies and accessories](#)
- [Clean the product](#)
- [Product updates](#)

Print the information pages

You can print the following information pages.

Configuration page

The configuration page lists current product settings and properties. It also contains a status log report. To print a configuration page, do the following:

1. Open the printer driver, and then click the **Properties** or **Preferences** button.
2. Click the **Services** tab, and then, in the **Print Information Pages** drop-down list, click the **Config Page** list item.
3. Click the **Print** button.

On wireless models, you can print the configuration page from the product control panel.

- ▲ At the control panel, press and hold the cancel **X** button until the ready **U** light starts blinking, and then release the button.

Supplies status page

To print the supplies status page, select it from the **Print Information Pages** drop-down on the **Services** tab in the printer driver. The supplies status page provides the following information:

- The estimated percentage of toner remaining in the print cartridge
- The number of pages and print jobs that have been processed
- Ordering and recycling information

Demo page

To print the demo page, select it from the **Print Information Pages** drop-down on the **Services** tab in the printer driver. The demo page contains examples of text and graphics, and is used to show product print quality.

Use the HP Embedded Web Server (wireless models only)

Use the HP Embedded Web Server (EWS) to view product and network status and to manage printing functions from a computer.

- View product status information
- Determine the remaining life on all supplies and order new ones
- View and change the product default configuration settings
- View and change network configuration

You do not need to install any software on the computer. You only need to use one of these supported Web browsers:

- Internet Explorer 6.0 (and later)
- Firefox 1.0 (and later)
- Mozilla 1.6 (and later)
- Opera 7.0 (and later)
- Safari 1.2 (and later)
- Konqueror 3.2 (and later)

The HP Embedded Web Server works when the product is connected to a TCP/IP-based network. The HP Embedded Web Server does not support IPX-based connections or direct USB connections.



NOTE: You do not have to have Internet access to open and use the HP Embedded Web Server. However, if you click a link on any of the pages, you must have Internet access to go to the site associated with the link.

Open the HP Embedded Web Server by using a network connection

To open the HP Embedded Web Server, type the IP address or host name of the product in the address field of a supported Web browser. To find the IP address, print a configuration page at the product by pressing and holding the cancel **X** button when the ready **U** light is on and no other jobs are printing. Hold the button until the ready **U** light starts blinking.



TIP: After you open the URL, bookmark it so that you can return to it quickly in the future.

HP Embedded Web Server sections

Information tab

The Information pages group consists of the following pages:

- **Device Status** displays the status of the product and HP supplies.
- **Device Configuration** shows the information found on the Configuration page.
- **Supplies Status** shows the status of HP supplies and provides part numbers. To order new supplies, click **Order Supplies** in the upper-right part of the window.
- **Network Summary** shows the information found on the **Network Summary** page.

Settings tab

Use this tab to configure the product from your computer. If this product is networked, always consult with the product administrator before changing settings on this tab.

The **Settings** tab contains the **Printing** page where you can view and change the default print job settings.

Networking tab

Network administrators can use this tab to control network-related settings for the product when it is connected to an IP-based network.

HP Smart Install tab



NOTE: This tab is supported for Windows only.

Use this tab to install the product driver and software on a computer. Click the **Download** button to start the installation process, and then follow the onscreen instructions to finish the process.

Links

Links are located in the upper-right part of the status pages. You must have Internet access to use any of these links. If you use a dial-up connection and did not connect when you first opened the HP Embedded Web Server, you must connect before you can visit these Web sites. Connecting might require that you close the HP Embedded Web Server and reopen it.

- **Shop for Supplies.** Click this link to connect to the Sure Supply Web site and order genuine HP supplies from HP or a reseller of your choice.
- **Support.** Connects to the product support site. You can search for help regarding general topics.

Economy settings

Auto-Off mode

Auto-Off is an energy-saving feature of this product. After a user-specified time period, the product automatically reduces its power consumption (Auto-Off). The product returns to the ready state when a button is pressed or a print job is received. When the product is in Auto-Off mode, all of the control-panel LEDs and the power button backlight LED are off.

 **NOTE:** Although the product lights are off in Auto-Off mode, the product will work normally when it receives a print job.

Change the Auto-Off delay time

You can change how long the product remains idle (Auto-Off delay) before it enters Auto-Off mode.

 **NOTE:** The default Auto-Off delay setting is 5 minutes.

1. Open the printer properties, and then click the **Device Settings** tab.
2. Select the Auto-Off delay from the **Auto-Off** drop-down list.

 **NOTE:** The changed setting does not go into effect until a print job is sent to product.

Print with EconoMode

This product has an EconoMode option for printing drafts of documents. Using EconoMode can use less toner and decrease the cost per page. However, using EconoMode can also reduce print quality.

HP does not recommend the full-time use of EconoMode. If EconoMode is used full-time, the toner supply might outlast the mechanical parts in the print cartridge. If print quality begins to degrade under these circumstances, you must install a new print cartridge, even if there is toner supply remaining in the cartridge.

Enable EconoMode with Windows

1. Open the printer driver, and then click the **Properties** or **Preferences** button.
2. Click the **Paper/Quality** tab.
3. Click the **EconoMode** check box.

Manage supplies and accessories

Correctly using, storing, and monitoring the print cartridge can help ensure high-quality print output.

Check and order supplies

Print-cartridge storage

Do not remove the print cartridge from its package until you are ready to use it.

 **CAUTION:** To prevent damage to the print cartridge, do not expose it to light for more than a few minutes.

HP policy on non-HP print cartridges

Hewlett-Packard Company cannot recommend the use of non-HP print cartridges, either new or remanufactured.

 **NOTE:** Any damage caused by a non-HP print cartridge is not covered under the HP warranty and service agreements.

To install a new genuine HP print cartridge, see [Replace the print cartridge on page 62](#).

HP fraud hotline and Web site

Call the HP fraud hotline (1-877-219-3183, toll-free in North America) or go to www.hp.com/go/anticounterfeit when you install an HP print cartridge and the control-panel message says the cartridge is non-HP. HP will help determine if the cartridge is genuine and take steps to resolve the problem.

Your print cartridge might not be a genuine HP print cartridge if you notice the following:

- You are experiencing a high number of problems with the print cartridge.
- The cartridge does not look like it usually does (for example, the orange pull tab is missing, or the packaging differs from HP packaging).

Recycle supplies

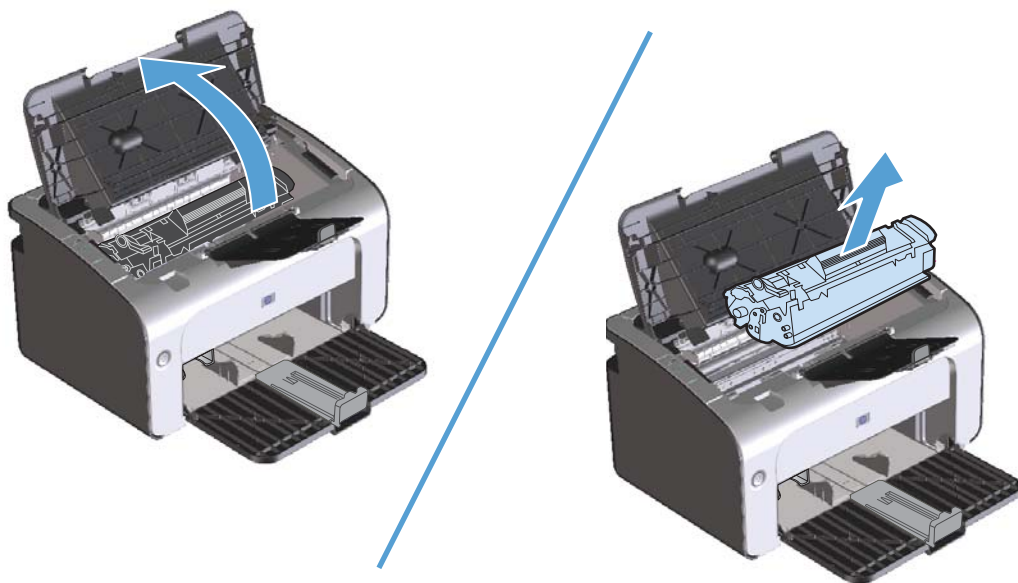
To recycle a genuine HP print cartridge, place the used cartridge in the box in which the new cartridge arrived. Use the enclosed return label to send the used supply to HP for recycling. For complete information, see the recycling guide that is included with each new HP supply item.

Replacement instructions

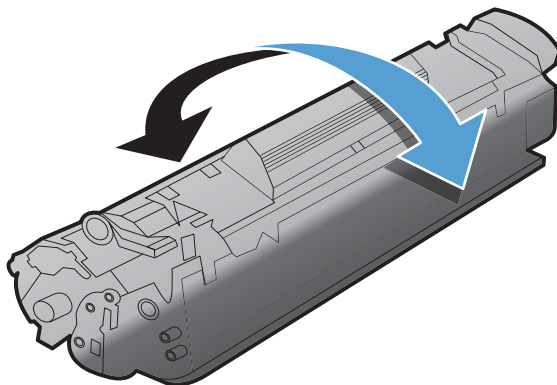
Redistribute toner

When a small amount of toner remains in print cartridge, faded or light areas might appear on the printed page. You might be able to temporarily improve print quality by redistributing the toner.

1. Open the print-cartridge door, and then remove the print cartridge.

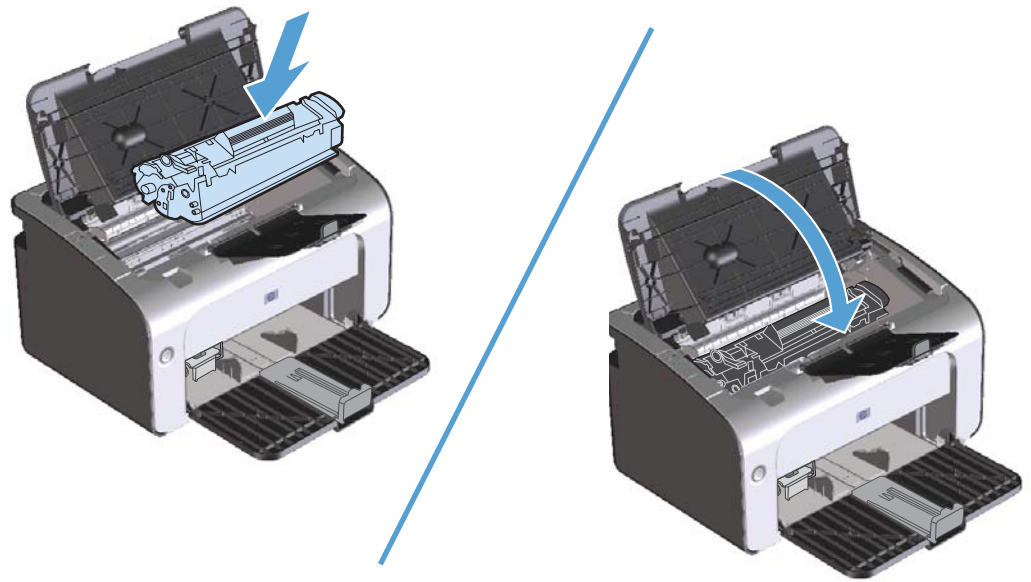


2. To redistribute the toner, gently rock the print cartridge from front to back.



CAUTION: If toner gets on your clothing, wipe it off with a dry cloth and wash the clothing in cold water. *Hot water sets toner into the fabric.*

3. Reinsert the print cartridge into the product, and then close the print-cartridge door.

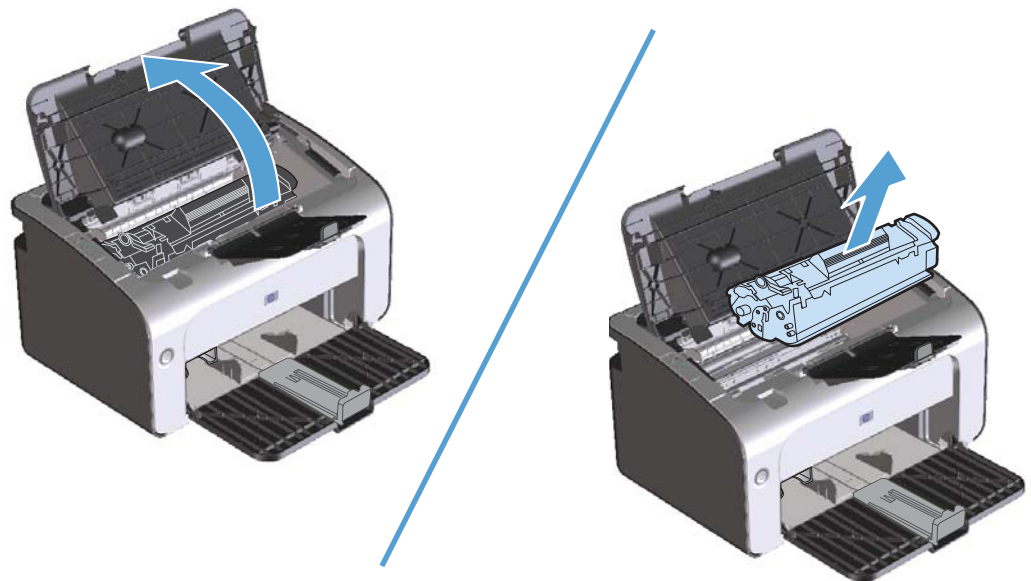


If the print is still light, install a new print cartridge.

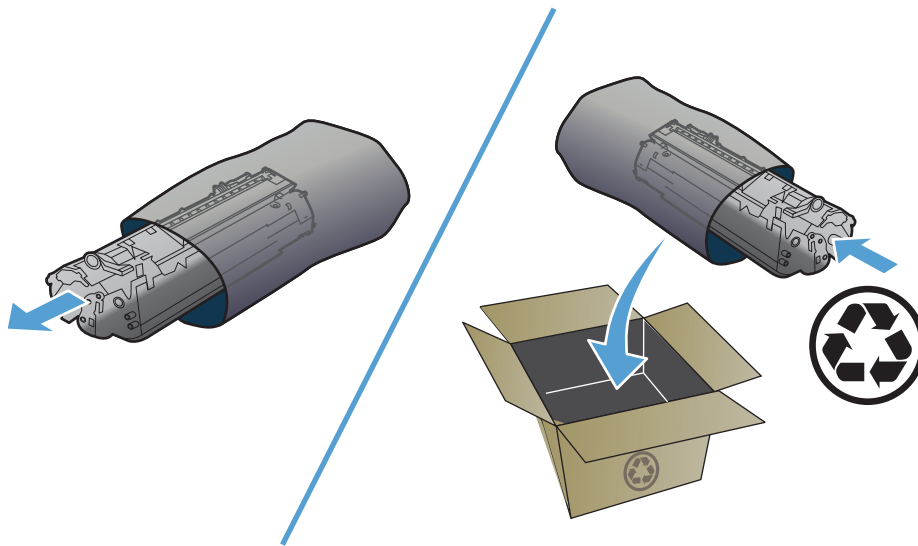
Replace the print cartridge

When a print cartridge approaches the end of useful life, you can continue printing with the current cartridge until redistributing the toner no longer yields acceptable print quality.

1. Open the print-cartridge door, and then remove the old print cartridge.

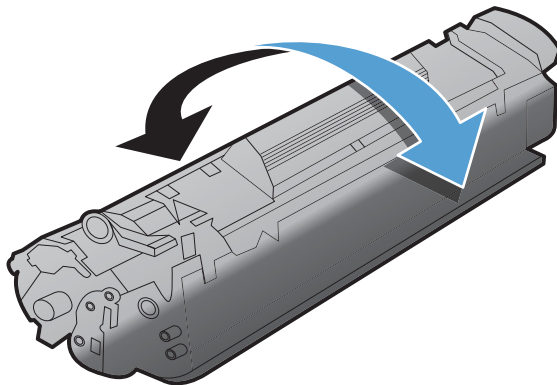


2. Remove the new print cartridge from the packaging. Place the used print cartridge in the bag and box for recycling.

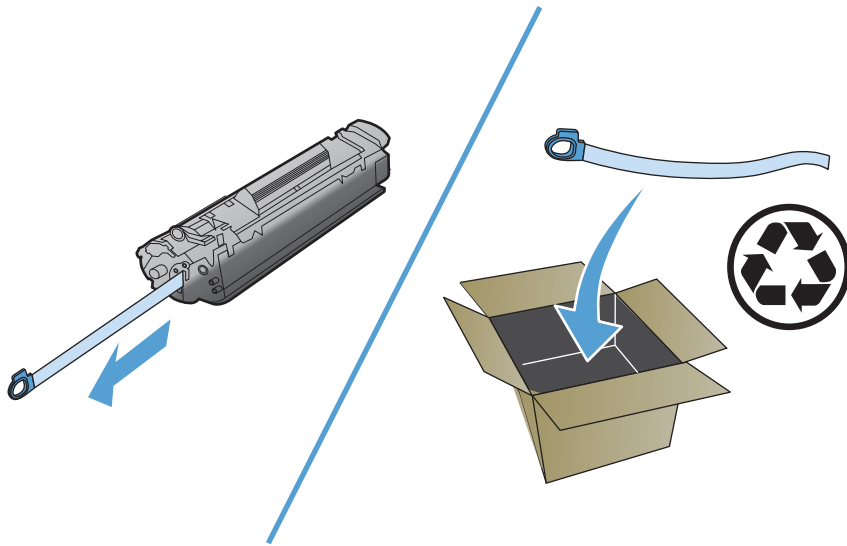


⚠ CAUTION: To prevent damage to the print cartridge, hold the print cartridge at each end. Do not touch the cartridge shutter or the roller surface.

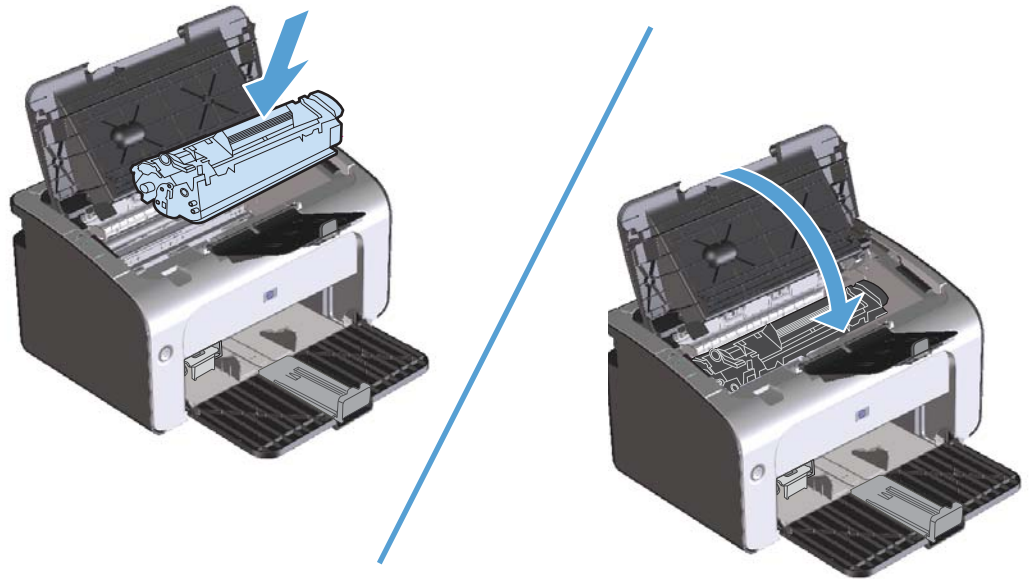
3. Grasp both sides of the print cartridge and gently rock the print cartridge to distribute the toner evenly inside the cartridge.



4. Bend the tab on the left side of the cartridge until the tab breaks loose, and then pull the tab until all the tape is removed from the cartridge. Place the tab and tape in the print-cartridge box to return for recycling.



5. Insert the print cartridge in the product, and then close the print-cartridge door.



⚠ CAUTION: If toner gets on your clothing, wipe it off with a dry cloth and wash the clothing in cold water. *Hot water sets toner into the fabric.*

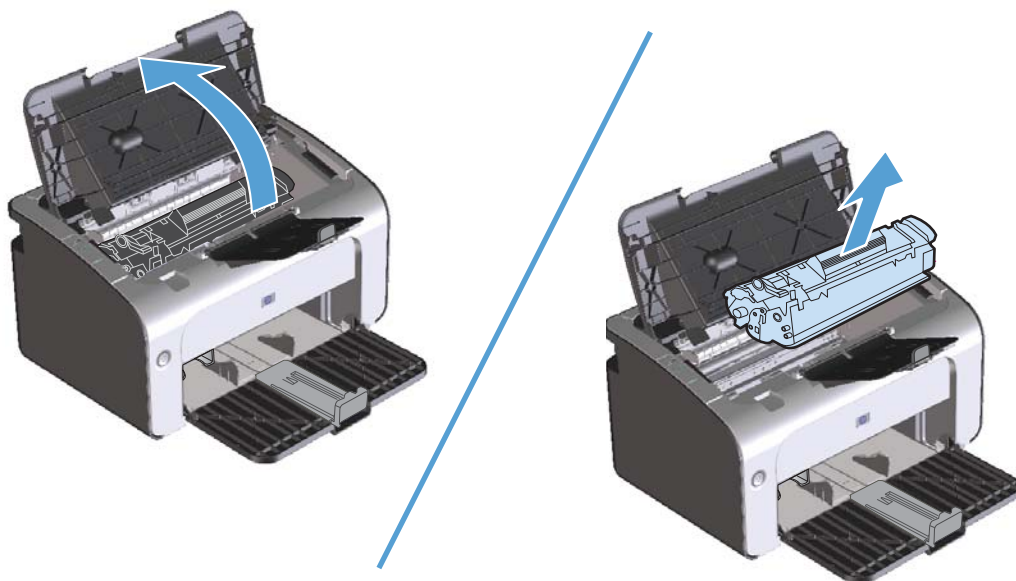
Replace the pickup roller

Normal use with good media causes wear. The use of poor media might require more frequent replacement of the pickup roller.

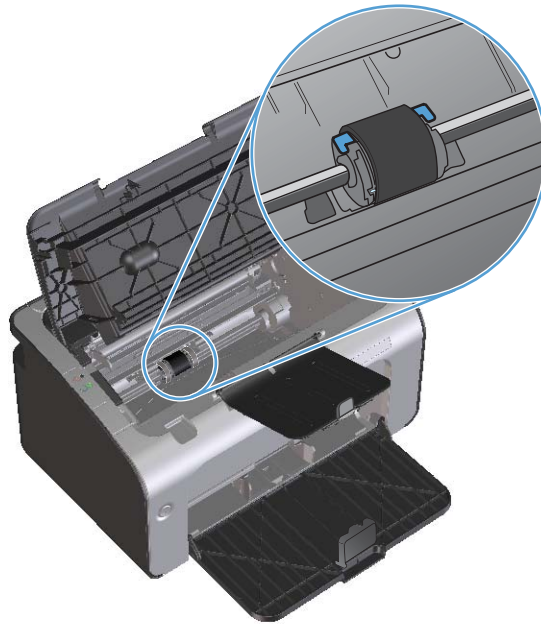
If the product regularly mispicks (no media feeds through), you might need to change or clean the pickup roller. See [Clean the pickup roller on page 71](#) to order a new pickup roller.

1. Open the print-cartridge door, and then remove the print cartridge.

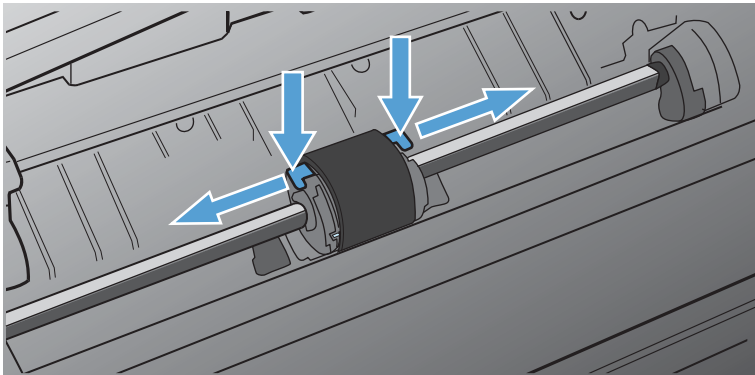
⚠ CAUTION: To prevent damage to the print cartridge, minimize its exposure to direct light. Cover the print cartridge with a sheet of paper.



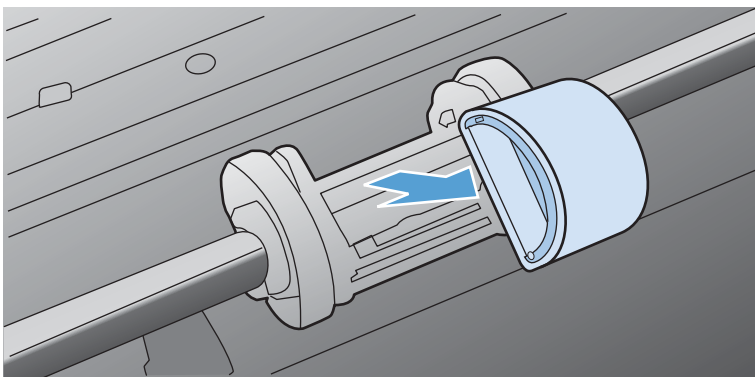
2. Find the pickup roller.



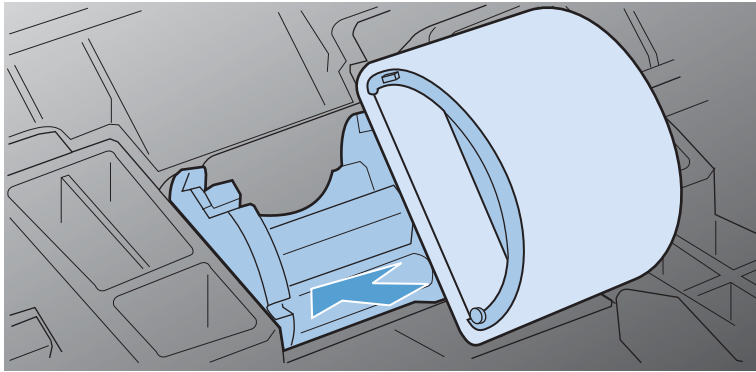
3. Release the small, white tabs on each side of the pickup roller, and rotate the pickup roller toward the front.



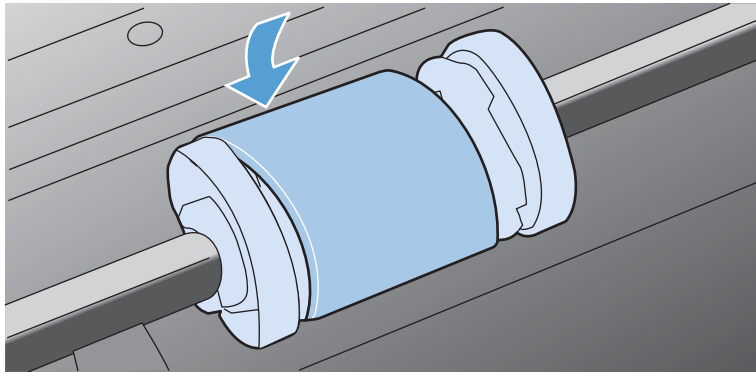
4. Gently pull the pickup roller up and out.



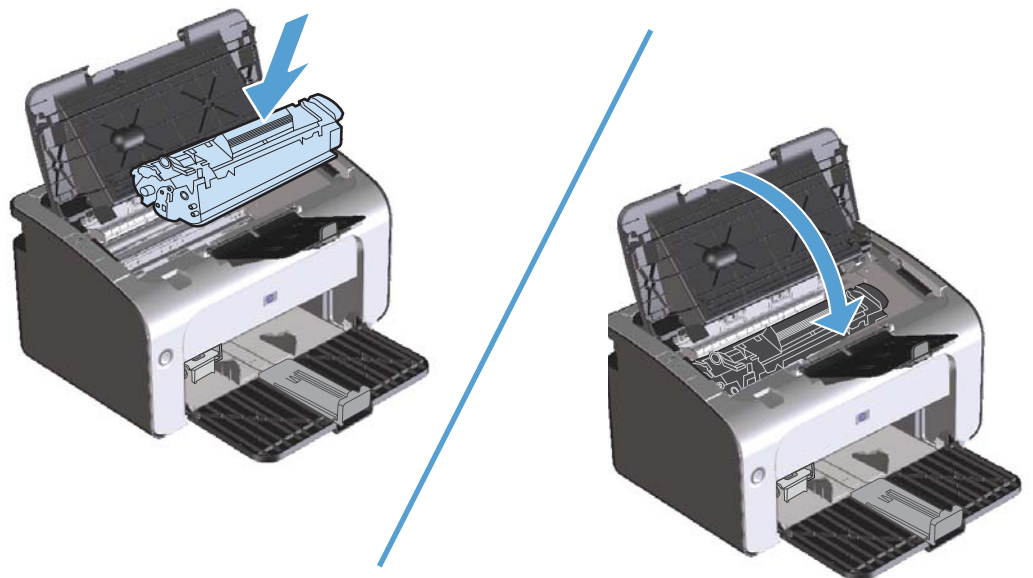
5. Position the new pickup roller in the slot. The circular and rectangular slots on each side prevents you from installing the roller incorrectly.



6. Rotate the top of the new pickup roller away from you until both sides snap into place.



7. Insert the print cartridge in the product, and then close the print-cartridge door.



Replace the separation pad

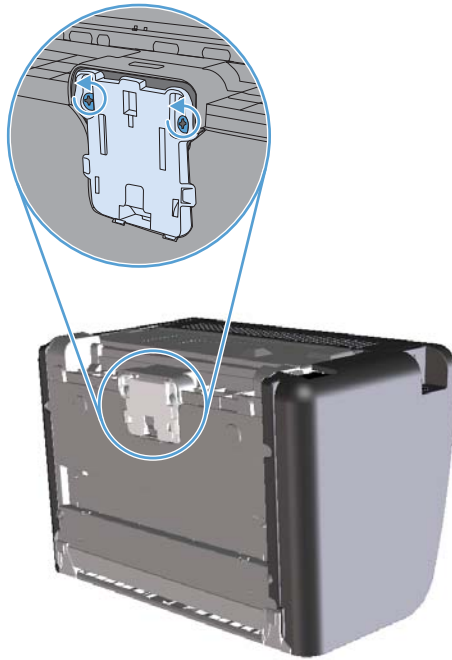
Normal use with good media causes wear. The use of poor media might require more frequent replacement of the separation pad.

If the product regularly pulls multiple sheets of media at a time, you might need to change the separation pad.

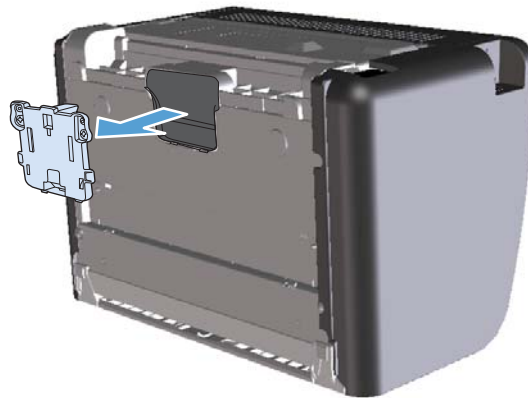
 **NOTE:** Before you change the separation pad, clean the pickup roller. See [Clean the pickup roller on page 71](#).

 **WARNING!** Before changing the separation pad, turn the product off, disconnect the power cord from the wall outlet, and then wait for the product to cool.

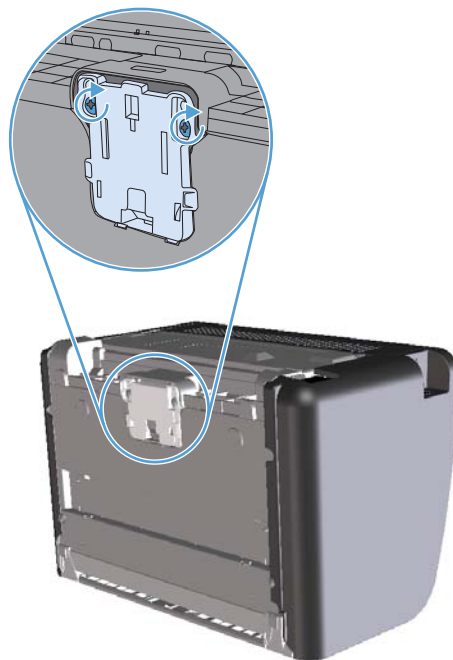
1. Disconnect the product power cord from the product.
2. Remove the paper and close the input tray. Set the product on its front.
3. At the bottom of the product, unscrew the two screws holding the separation pad in place.



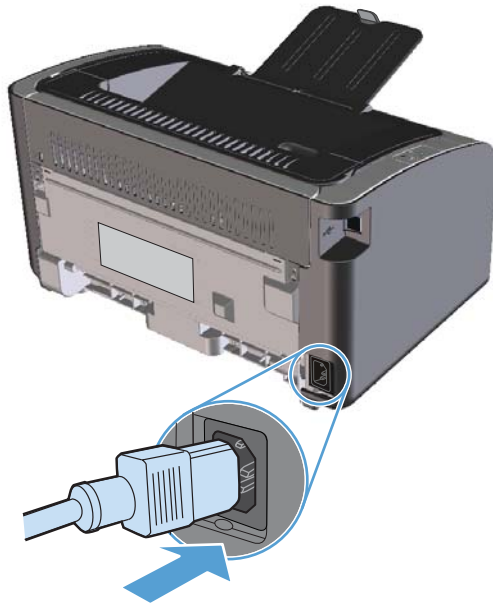
4. Remove the separation pad.



5. Insert the new separation pad, and screw it into place.



6. Reconnect the power cord, and then turn on the product.

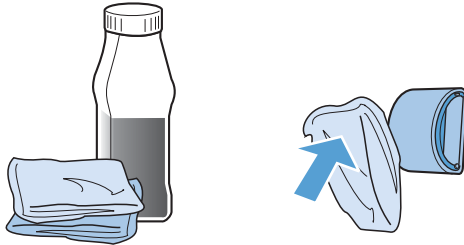


Clean the product

Clean the pickup roller

If you want to clean the pickup roller before deciding to replace it, follow these instructions:

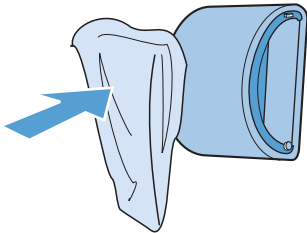
1. Unplug the power cord from the product and remove the pickup roller as described in [Replace the pickup roller on page 65](#).
2. Dab a lint-free cloth in isopropyl alcohol, and scrub the roller.



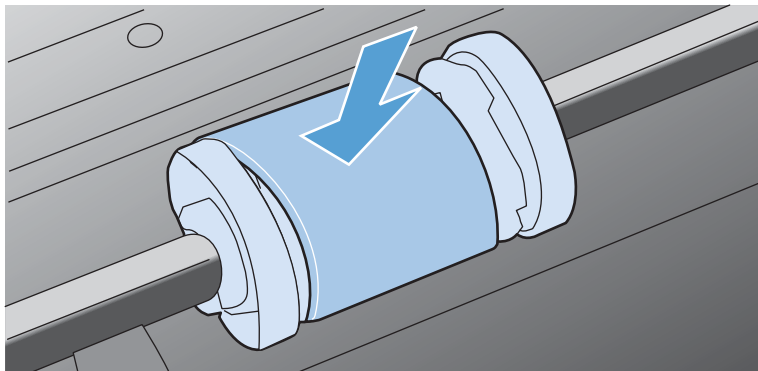
⚠ WARNING! Alcohol is flammable. Keep the alcohol and cloth away from an open flame. Before you close the product and plug in the power cord, allow the alcohol to dry completely.

📝 NOTE: In certain areas of California, air pollution control regulations restrict the use of liquid Isopropyl Alcohol (IPA) as a cleaning agent. In those areas of California, please disregard the previous recommendations and use a dry, lint-free cloth, moistened with water, to clean the pickup roller.

3. Using a dry, lint-free cloth, wipe the pickup roller to remove loosened dirt.



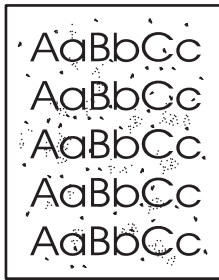
4. Allow the pickup roller to dry completely before you reinstall it in the product.



5. Reconnect the power cord.

Clean the paper path

If you are experiencing toner specks or dots on the printouts, clean the paper path. This process uses a transparency to remove dust and toner from the paper path. Do not use bond or rough paper.



NOTE: For best results use a sheet of transparency. If you do not have any transparencies, you can use copier-grade media (60 to 163 g/m² (16 to 43 lb)) that has a smooth surface.

1. Make sure that the product is idle and the ready light  is on.
2. Load media in the input tray.
3. Open the printer **Properties**.
4. Click the **Device Settings** tab.
5. In the **Cleaning Page** area, click the **Start** button to process the cleaning page.



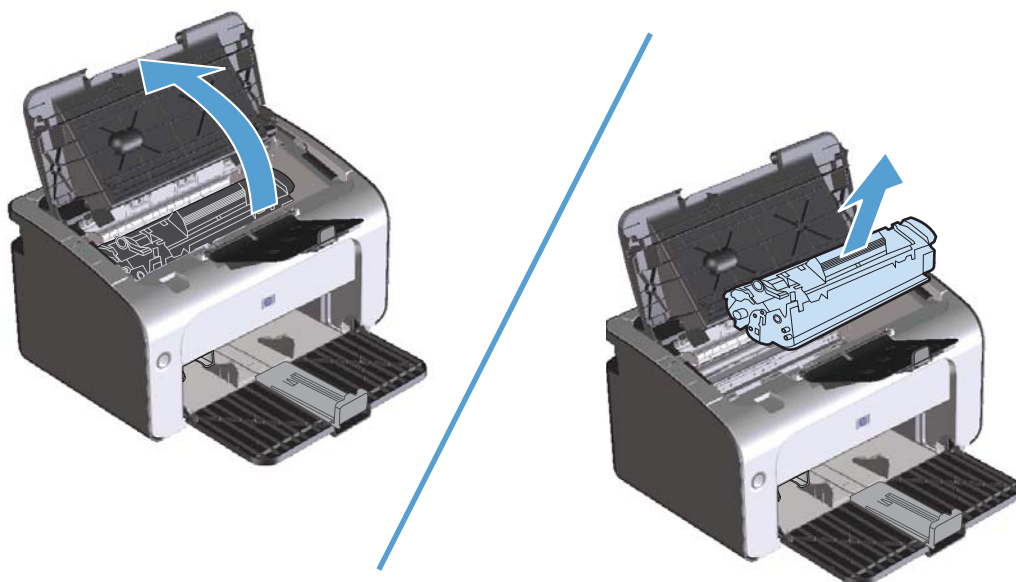
NOTE: The cleaning process takes about 2 minutes. The cleaning page stops periodically during the cleaning process. Do not turn the product off until the cleaning process has finished. You might need to repeat the cleaning process several times to thoroughly clean the product.

Clean the print-cartridge area

You do not need to clean the print-cartridge area often. However, cleaning this area can improve the quality of the printed sheets.

⚠ WARNING! Before changing the separation pad, turn the product off, disconnect the power cord from the wall outlet, and then wait for the product to cool.

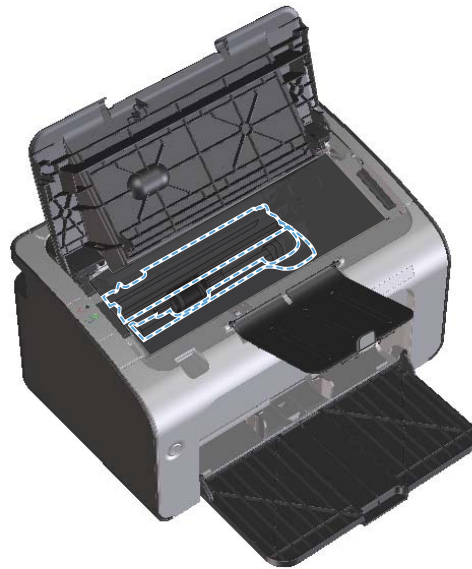
1. Disconnect the power cord from the product. Open the print-cartridge door, and then remove the print cartridge.



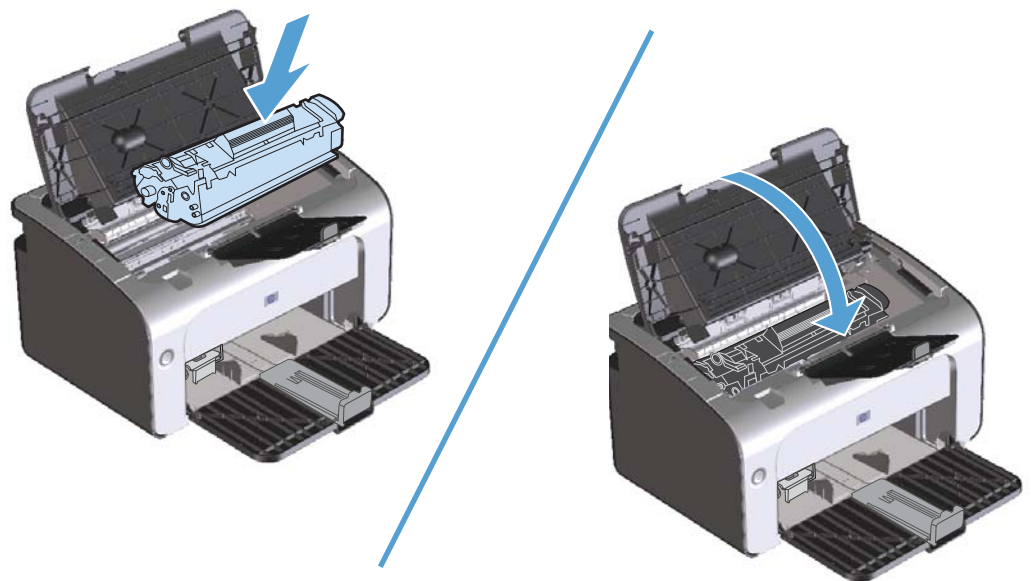
⚠ CAUTION: Do not touch the black-sponge transfer roller inside the product. Doing so can damage the product.

CAUTION: To prevent damage, do not expose the print cartridge to light. Cover it with a piece of paper.

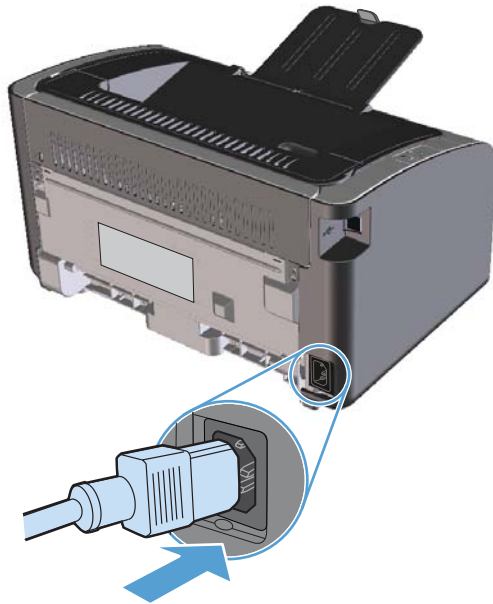
2. With a dry, lint-free cloth, wipe any residue from the paper-path area and the print-cartridge cavity.



3. Reinstall the print cartridge, and then close the print-cartridge door.



4. Disconnect the power cord.



Clean the exterior

Use a soft, damp, lint-free cloth to wipe dust, smudges, and stains off of the exterior of the device.

Product updates

Software and firmware updates and installation instructions for this product are available at www.hp.com/support/lip1100series. Click **Downloads and drivers**, click the operating system, and then select the download for the product.

8 Solve problems

- [Solve general problems](#)
- [Interpret control-panel light patterns](#)
- [Clear jams](#)
- [Solve paper-handling problems](#)
- [Solve image-quality problems](#)
- [Solve performance problems](#)
- [Solve connectivity problems](#)
- [Solve product software problems](#)

Solve general problems

If the product is not responding correctly, complete the steps in the following checklist, in order. If the product does not pass a step, follow the corresponding troubleshooting suggestions. If a step resolves the problem, you can stop without performing the other steps on the checklist.

Troubleshooting checklist

- 1.** Make sure that the product is set up correctly.
 - a.** Press the power button to turn on the product or to deactivate the Auto-Off mode.
 - b.** Check the power-cable connections.
 - c.** Make sure that the line voltage is correct for the product power configuration. (See the label that is on the back of the product for voltage requirements.) If you are using a power strip and its voltage is not within specifications, plug the product directly into the wall. If it is already plugged into the wall, try a different outlet.
 - d.** Make sure that the print cartridge is installed correctly.
 - e.** If none of these measures restores power, contact HP Customer Care.
- 2.** Check the cabling or wireless connection (wireless models only).
 - a.** Check the cable connection between the product and the computer. Make sure that the connection is secure.
 - b.** Make sure that the cable itself is not faulty by using a different cable, if possible.
 - c.** For a wireless connection, look at the control panel wireless light.
 - If the light is on, the product has a connection with a network.
 - If the light is blinking, the product is searching for a network connection. Make sure that the wireless router or access point and the product are set to use the same mode or protocol.
 - If the light is off, the product is not connected to the network and the wireless unit in the product might be off. Press the wireless button to try connecting to the network, or run the Wireless Configuration utility to configure the product. See [Use the Wireless Configuration utility on page 31](#). To verify that the product finds the network, print a configuration page. The product should have an IP address assigned to it.

If the product remains unable to connect to the network, uninstall and then reinstall the product. If the error persists, contact a network administrator or refer to the user manual of the wireless router or access point.
- 3.** Check to see if any control-panel lights are lit. See [Interpret control-panel light patterns on page 80](#).
- 4.** Make sure that the paper that you are using meets specifications.
- 5.** Make sure that the paper is loaded correctly in the input tray.

6. Make sure that the product software is installed correctly.
7. Verify that you have installed the printer driver for this product. Check the program to make sure that you are using the printer driver for this product.
8. Print a configuration page. See [Print the information pages on page 56](#).
 - a. If the page does not print, verify that the input tray contains paper.
 - b. If the page jams in the product, see [Clear jams on page 83](#).
9. Print a small document from a different program that has worked in the past. If this solution works, then the problem is with the program you are using. If this solution does not work (the document does not print), complete these steps:
 - a. Try printing the job from another computer that has the product software installed.
 - b. Check the USB cable connection. Direct the product to the correct port, or reinstall the software, selecting the connection type that you are using.
 - c. If the print quality is unacceptable, complete the following steps:
 - Verify that the print settings are correct for the media that you are using. See [Change the print driver to match the media type and size on page 36](#).
 - Use the procedures in [Solve image-quality problems on page 93](#) to solve print-quality problems.

Factors that affect product performance

Several factors affect the time it takes to print a job:

- The use of special paper (such as transparencies, heavy paper, and custom-size paper)
- Product processing and download time
- The complexity and size of graphics
- The speed of the computer you are using
- The USB or network connection
- The product I/O configuration

Interpret control-panel light patterns

Table 8-1 Status-light legend

	Symbol for "light off"
	Symbol for "light on"
	Symbol for "light blinking"

Table 8-2 Control-panel light patterns

Light status	State of the product	Action
All lights are off. 	The product is in Auto-Off mode or is turned off.	Press the power button to deactivate the Auto-Off mode or to turn on the product.
Status lights cycle 	The status lights cycle during the formatter initialization period or when the product is processing a cleaning page.	No action is required. Wait for the initialization period to end. The product should enter the ready state when the initialization period is finished.
Ready light is on, and attention light is off. 	The product is in the ready state.	No action is required. The product is ready to receive a print job.

Table 8-2 Control-panel light patterns (continued)

Light status	State of the product	Action
Ready light is blinking, and attention light is off.	The product is receiving or processing data.	No action is required. The product is receiving or processing a print job.
 		
Attention light is blinking, and ready light is off.	The product has experienced an error that can be corrected at the product, such as a jam, an open door, the absence of a print cartridge, or the absence of paper in the proper tray.	Inspect the product, determine the error, and then correct the error. If the error is the absence of paper in the proper tray or the product is in a manual feed mode, put the proper paper in the tray and follow the onscreen instructions, or open and close the print-cartridge door to resume printing.
 		
Attention light is blinking, and ready light is on.	The product has experienced a continual error from which it will recover on its own.	If the recovery is successful, the product continues to the processing data state and completes the job. If the recovery is unsuccessful, the product continues to the continuable error state. Try removing any media from the media path and turning the product power off, and then on again.
 		
The attention and ready lights are on.	The product has experienced a fatal error from which it cannot recover.	1. Turn off the product or disconnect the power cord from the product. 2. Wait 30 seconds, and then turn on the product or reconnect the power cord to the product. 3. Wait for the product to initialize. If the error persists, contact HP customer support. See Customer support on page 115.
 		

Table 8-2 Control-panel light patterns (continued)

Light status	State of the product	Action
The wireless light is blinking. 	The product is attempting to locate a wireless network.	No action is required.
The wireless light is on. 	The product is connected to a wireless network.	No action is required.
The wireless light is off. 	The product is not connected to a network, and the wireless unit in the product might be turned off.	If the light is off, the product is not connected to the network and the wireless unit in the product might be off. Press the wireless button to try connecting to the network, or run the Wireless Configuration utility to configure the product. See Use the Wireless Configuration utility on page 31. To verify that the product finds the network, print a configuration page. The product should have an IP address assigned to it. For information about connecting wirelessly to a network, see Network connection (wireless models only) on page 28. If the product remains unable to connect to the network, uninstall and then reinstall the product. If the error persists, contact a network administrator or refer to the user manual of the wireless router or access point.

Clear jams

When clearing jams, be careful not to tear jammed paper. If a small piece of paper remains in the product, it could cause additional jams.

Common causes of jams

- The input tray is loaded incorrectly or is too full.



NOTE: When you add new media, always remove all of the media from the input tray and straighten the entire stack. This helps prevent multiple feeds and reduces media jams.

- The media does not meet HP specifications.
- The product might need to be cleaned to remove paper dust and other particles from the paper path.

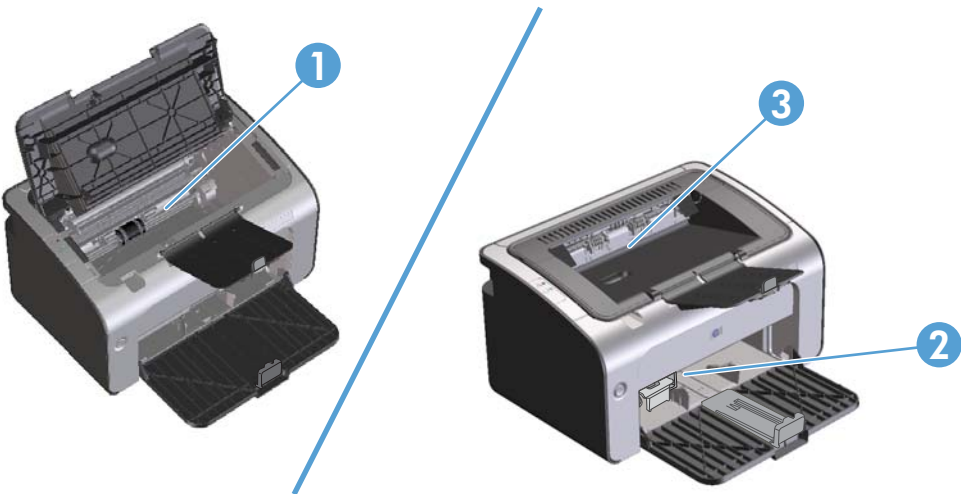
Loose toner might remain in the product after a media jam. This toner clears up after a few sheets print.



CAUTION: If you get any toner on your clothes, wash them in cold water. *Hot water will permanently set the toner into the fabric.*

Jam locations

Jams can occur at the following locations in the product.



1	Internal areas
2	Input tray
3	Output bin

 **NOTE:** Jams can occur in more than one location.

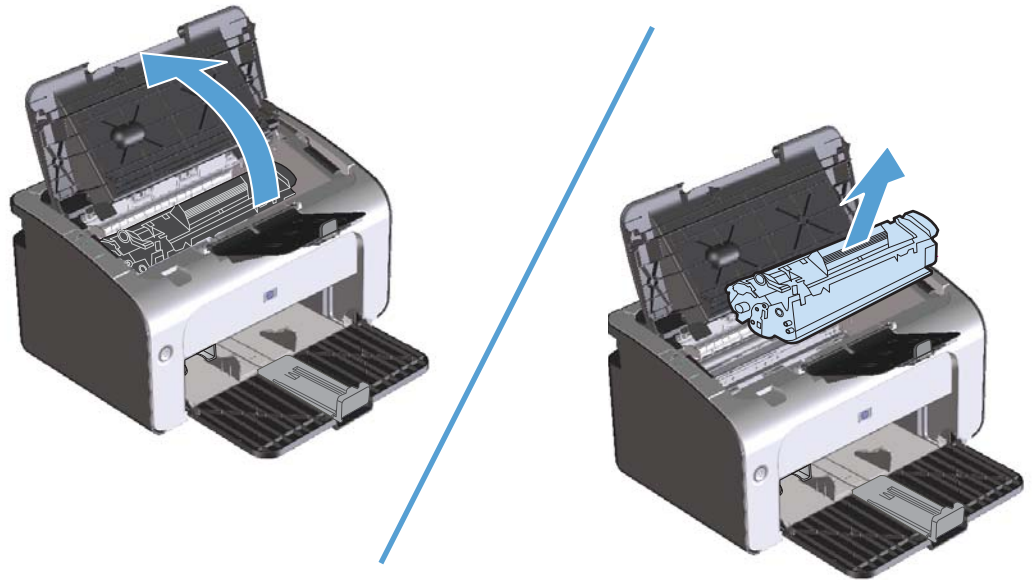
Clear jams from the input tray

 **CAUTION:** Do not use sharp objects, such as tweezers or needle-nose pliers, to remove jams. Damage caused by sharp objects will not be covered by the warranty.

When removing jammed media, pull the jammed media straight away from the product. Pulling jammed media out of the product at an angle can damage the product.

 **NOTE:** Depending on where the jam is located, some of the following steps might not be necessary.

1. Open the print-cartridge door, and then remove the print cartridge.



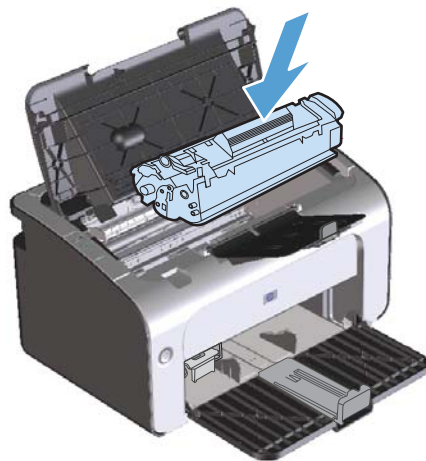
2. Remove the media stack from the input tray.



3. With both hands, grasp the side of the jammed media that is most visible (this includes the middle), and carefully pull it free from the product.



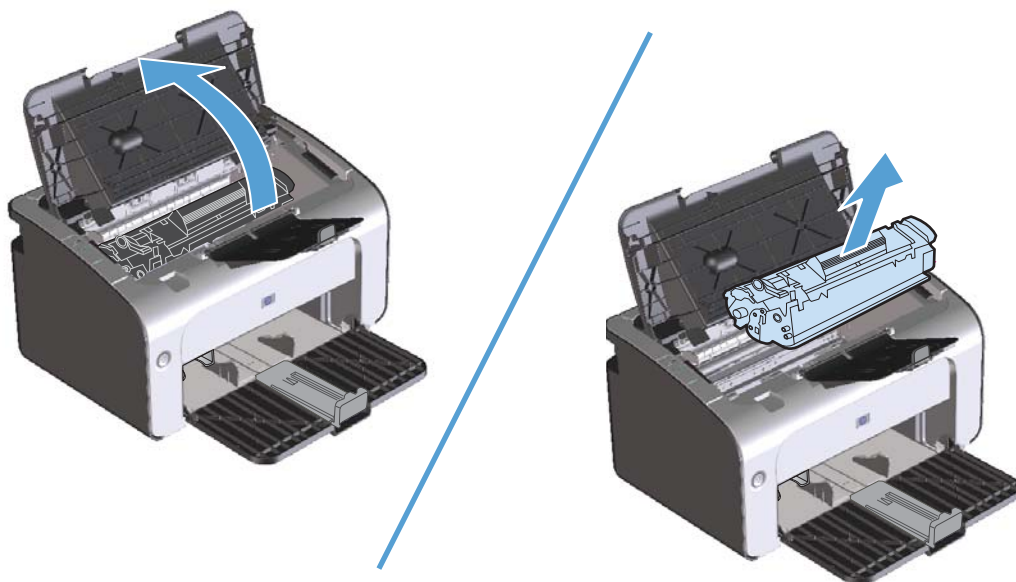
4. Reinstall the print cartridge, and then close the print-cartridge door.



Clear jams from the output areas

⚠ CAUTION: Do not use sharp objects, such as tweezers or needle-nose pliers, to remove jams. Damage caused by sharp objects will not be covered by the warranty.

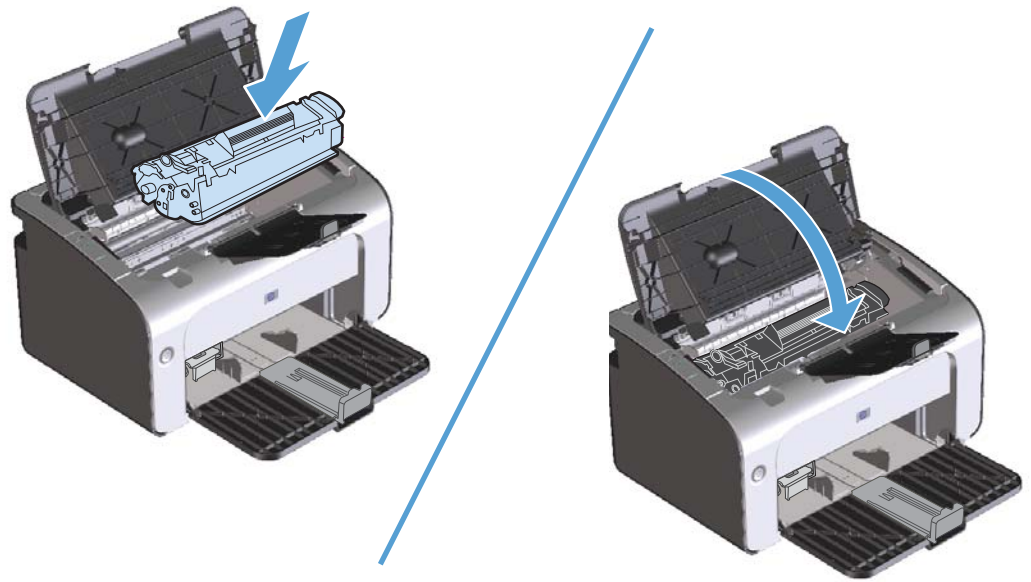
1. Open the print-cartridge door, and then remove the print cartridge.



2. Keep the print cartridge door open, and then with both hands, grasp the side of the jammed media that is most visible (this includes the middle), and carefully pull it free from the product.

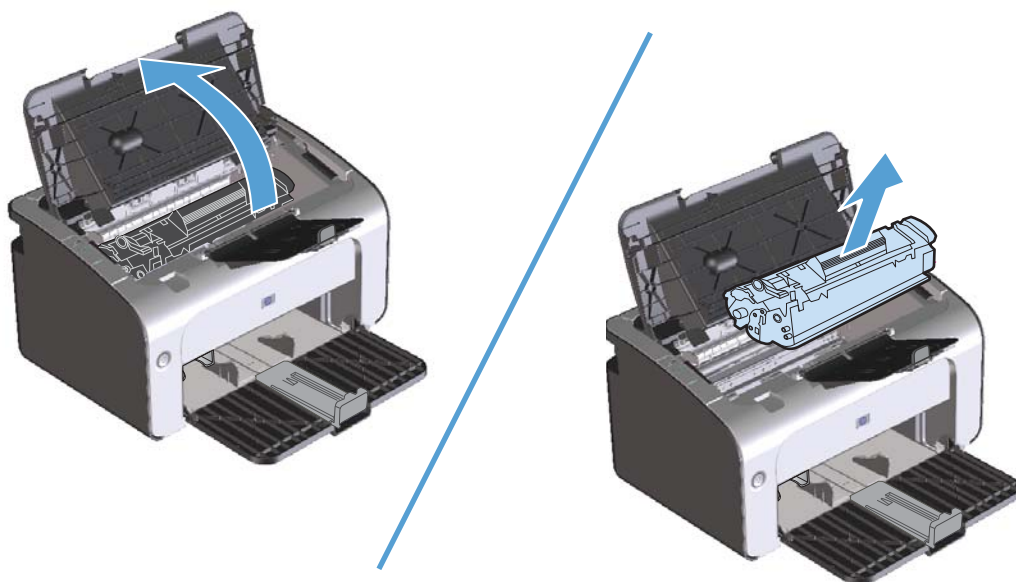


3. Reinstall the print cartridge, and then close the print-cartridge door.



Clear jams from inside the product

1. Open the print-cartridge door, and then remove the print cartridge.

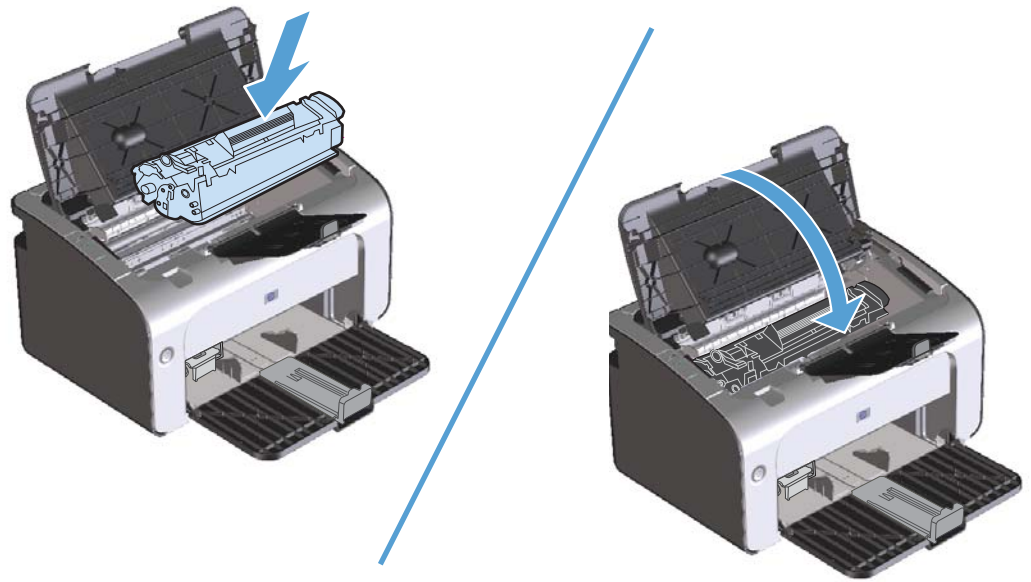


⚠ CAUTION: To prevent damage, do not expose the print cartridge to light. Cover it with a piece of paper.

2. If you can see the jammed paper, carefully grasp the jammed paper, and slowly pull it out of the product.



3. Reinstall the print cartridge, and then close the print-cartridge door.



Solve repeated jams

- Verify that the input tray is not overfilled. The input tray capacity varies depending on the type of print media that you are using.
- Verify that the media guides are properly adjusted.
- Check that the input tray is securely in place.
- Do not add print media into the input tray while the product is printing.
- Use only HP-recommended media types and sizes.
- Do not fan media prior to loading it in a tray. To loosen the ream, hold it firmly in both hands and twist the media by rotating your hands in the opposite direction.
- Do not let print media stack up in the output bin. The print media type and the amount of toner used affect the output bin capacity.
- Check the power connection. Make sure that the power cord is firmly connected to both the product and the power supply box. Plug the power cord into a grounded power outlet.

Change the jam recovery setting

When the Jam Recovery feature is turned on, the product reprints any pages that are damaged during a jam.

1. Open the product Properties dialog box.
2. Click the **Device Settings** tab.
3. Click the **Auto** option or the **Off** option under **Jam Recovery**.

Solve paper-handling problems

The following problems with media cause print-quality deviations, jamming, or damage to the product.

Problem	Cause	Solution
Poor print quality or toner adhesion	The paper is too moist, too rough, too heavy or too smooth, or it is embossed or from a faulty paper lot.	Try another kind of paper, between 100 and 250 Sheffield, with 4% to 6% moisture content.
Dropouts, jamming, or curl	The paper has been stored incorrectly.	Store paper flat in its moisture-proof wrapping.
	The paper has variability from one side to the other.	Turn the paper over.
Excessive curl	The paper is too moist, has the wrong grain direction, or is of short-grain construction	Use long-grain paper.
	The paper varies from side-to-side.	Turn the paper over.
Jamming, damage to product	The paper has cutouts or perforations.	Use paper that is free of cutouts or perforations.
Problems with feeding	The paper has ragged edges.	Use high-quality paper that is made for laser printers.
	The paper varies from side-to-side.	Turn the paper over.
	The paper is too moist, too rough, too heavy or too smooth, has the wrong grain direction, or is of short-grain construction or it is embossed or from a faulty paper lot.	Try another kind of paper, between 100 and 250 Sheffield, 4% to 6% moisture content. Use long-grain paper.
Print is skewed (crooked).	The media guides might be incorrectly adjusted.	Remove all media from the input tray, straighten the stack, and then load the media in the input tray again. Adjust the media guides to the width and length of the media that you are using and try printing again.
More than one sheet feeds at one time.	The media tray might be overloaded.	Remove some of the media from the tray.
	The media might be wrinkled, folded, or damaged.	Verify that the media is not wrinkled, folded, or damaged. Try printing on media from a new or different package.

Problem	Cause	Solution
The product does not pull media from the input tray.	The product might be in manual-feed mode.	At the computer, follow the onscreen instructions to deactivate manual-feed mode. Or, at the product, open and close the print-cartridge door.
	The pickup roller might be dirty or damaged.	Contact HP Customer Care. See Service and support on page 109 or the support flyer that came in the box.
	The paper-length adjustment control in the input tray is set at a length that is greater than the media size.	Set the paper-length adjustment control to the correct length.

Solve image-quality problems

You can prevent most print-quality problems by following these guidelines.

- Use paper that meets HP specifications. See [Paper and print media on page 33](#).
- Clean the product as necessary. See [Clean the product on page 71](#).

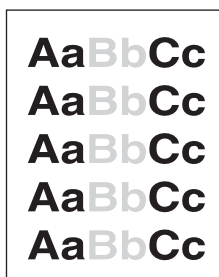
Image defect examples

This section provides information about identifying and correcting print defects.



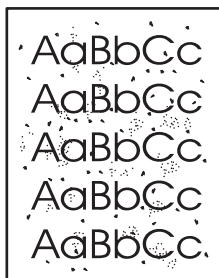
NOTE: If these steps do not correct the problem, contact an HP-authorized dealer or service representative.

Light print or faded



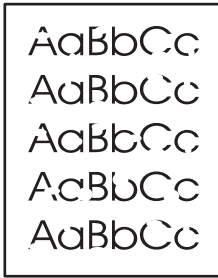
- Redistribute the toner to extend the life. See [Redistribute toner on page 61](#).
- The print cartridge is nearing end of life. Install a new genuine HP print cartridge.
- The media might not meet Hewlett-Packard's media specifications (for example, the media is too moist or too rough).
- If the whole page is light, the print density adjustment is too light or EconoMode might be turned on. Adjust the print density, and disable EconoMode in the product Properties.

Toner specks



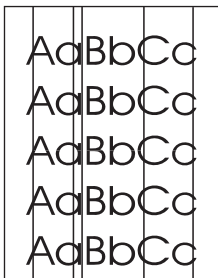
- The media might not meet Hewlett-Packard's media specifications (for example, the media is too moist or too rough).
- The product might need to be cleaned.
- The print cartridge might be defective. Install a new genuine HP print cartridge.

Dropouts



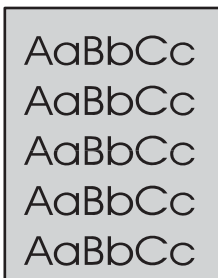
- A single sheet of media might be defective. Try reprinting the job.
- The media moisture content is uneven or the media has moist spots on its surface. Try printing with new media.
- The media lot is bad. The manufacturing processes can cause some areas to reject toner. Try a different type or brand of media.
- The print cartridge might be defective. Install a new genuine HP print cartridge.

Vertical lines



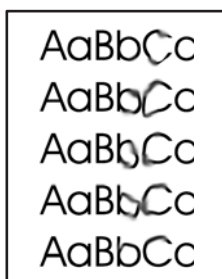
- Toner might be on the photosensitive drum. Print a few more pages to see if the problem might correct itself.
- The photosensitive drum inside the print cartridge has probably been scratched. Install a new genuine HP print cartridge.

Gray background



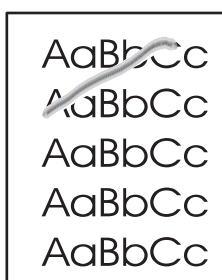
- Change the media to a lighter basis weight.
- Check the product environment. Very dry (low humidity) conditions can increase the amount of background shading.
- The density setting might be too high. Adjust the density setting. See [Change print density on page 98](#)
- Install a new genuine HP print cartridge.

Toner smear



- If toner smears appear on the leading edge of the media, the media guides might be dirty. Wipe the media guides with a dry, lint-free cloth.
- Check the media type and quality.
- The fuser temperature might be too low. In the printer driver, make sure the appropriate media type is selected.
- Try installing a new genuine HP print cartridge.

Loose toner



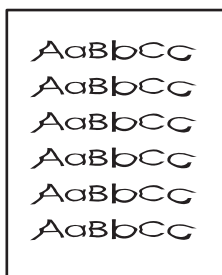
- The fuser temperature might be too low. In the printer driver, make sure the appropriate media type is selected.
- Clean the inside of the product. See [Clean the product on page 71](#).
- Check the media quality.
- Plug the product directly into an AC outlet instead of into a power strip.

Vertical repetitive defects



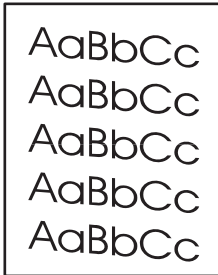
- The print cartridge might be damaged. If a repetitive mark occurs at the same spot on the page, install a new genuine HP print cartridge.
- The internal parts might have toner on them. If the defects occur on the back of the page, the problem probably will correct itself after a few more printed pages.
- In the printer driver, make sure the appropriate media type is selected.

Misformed characters



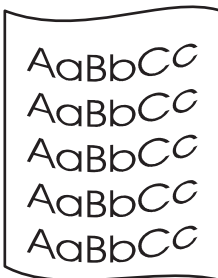
- If characters are improperly formed, producing hollow images, the media stock might be too slick. Try a different media.
- If characters are improperly formed, producing a wavy effect, the product might need service. Print a configuration page. If the characters are improperly formed, contact an HP-authorized dealer or service representative.

Page skew



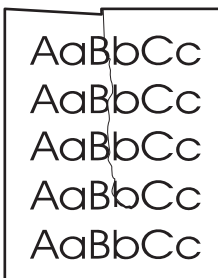
- Make sure that the media is loaded correctly and the media guides are not too tight or too loose against the media stack.
- The input bin might be too full.
- Check the media type and quality.

Curl or wave



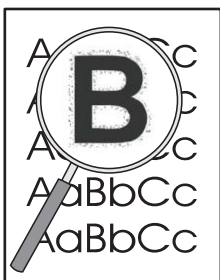
- Check the media type and quality. Both high temperature and high humidity cause media to curl.
- The media might have been in the input tray too long. Turn over the stack of media in the tray. Also, try rotating the media 180° in the input tray.
- The fuser temperature might be too high. In the printer driver, make sure that the appropriate media type is selected. If the problem persists, select a media type that uses a lower fuser temperature, such as transparencies or light media.

Wrinkles or creases



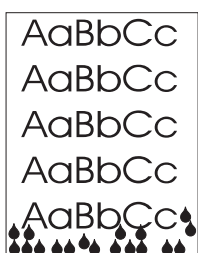
- Make sure that media is loaded properly.
- Check the media type and quality.
- Turn over the stack of media in the tray. Also, try rotating the media 180° in the input tray.
- For envelopes, this can be caused by air pockets inside the envelope. Remove the envelope, flatten the envelope, and then try printing again.

Toner scatter outline



- If large amounts of toner have scattered around the characters, the transfer of toner to the media is not optimal. (A small amount of toner scatter is normal for laser printing.) Try a different media type setting in the printer driver, or use a different media type.
- Turn over the stack of media in the tray.
- Use media that is designed for laser printers.

Moisture



NOTE: This product dissipates heat by using convective cooling. The heat and moisture generated by the printing process escape through vents in the product exterior or through the output bin area.

Verify normal product operation

The release of moisture is a result of normal product operation. However, HP recommends using the following steps to verify that the product is releasing steam and does not have a functional problem.

1. Turn the product off, and then on.
2. Send a print job to the product, and then verify that the product is operating correctly.
3. When printing a job and vapor is visible, immediately reprint the job using the same sheet of paper. There should be either no visible vapor, or much less vapor during the printing process.

Limit or reduce steam or vapor

- Make sure that the product is placed in a well-ventilated area that meets the environmental specifications in this guide. See [Environmental specifications on page 118](#).
- Do not place the product, or store paper, near an outside entrance where temperature changes can increase humidity.
- Use an unopened ream of paper that has not been exposed to high humidity.
- Store paper in an airtight container, where it will be less likely to absorb moisture.

Optimize and improve image quality

Change print density

You can change the print density setting by from the printer properties dialog box.

1. **Windows XP, Windows Server 2008, and Windows Server 2003 (using the default Start menu view):** Click **Start**, and then click **Printers and Faxes**.

-or-

Windows XP, Windows Server 2008, and Windows Server 2003 (using the Classic Start menu view): Click **Start**, and then click **Printers**.

-or-

Windows Vista: Click **Start**, click **Control Panel**, and then in the category for **Hardware and Sound** click **Printer**.

2. In the list of printers, right-click the name of this product, and then click the **Properties** menu item to open the printer properties dialog box.
3. Click the **Device settings** tab, and then move the **Print Density** slider to the desired setting.
4. Click the **Apply** button to accept the setting, and then click the **OK** button to close the dialog box.

Solve performance problems

Problem	Cause	Solution
Pages print but are totally blank.	The cartridge pull tab or the sealing tape might still be in the print cartridge.	Verify that the cartridge pull tab and tape have been removed completely from the print cartridge.
	The document might contain blank pages.	Check the document that you are printing to see if content appears on all of the pages.
	The product might be malfunctioning.	To check the product, print a Configuration page.
Pages print very slowly.	Heavier paper types can slow the print job.	Print on a different type of paper.
	Complex pages can print slowly.	Proper fusing may require a slower print speed to ensure the best print quality.
	Narrow or small media can print slowly.	
	Using the FastRes 1200 print quality setting can cause slow printing.	1. Open the print driver, and then click the Properties or Preferences button. 2. Click the Paper/Quality tab, and then use the Print Quality drop-down list to select a lower resolution setting. 3. Click the OK button or the Apply button to accept the setting.
Pages did not print.	The product might not be pulling paper correctly.	Make sure that paper is loaded in the tray correctly.
	The paper is jamming in the product.	Clear the jam. See Clear jams on page 83 .
	The USB cable might be defective or incorrectly connected.	• Disconnect the USB cable at both ends, and then reconnect it. • Try printing a job that has printed in the past. • Try using a different USB cable.
	Other devices are running on the computer.	The product might not share a USB port. If you have an external hard drive or switchbox that is connected to the same port as the product, the other device might be interfering. To connect and use the product, disconnect the other device, or use two USB ports on the computer.

Solve connectivity problems

Solve direct-connect problems

If you have connected the product directly to a computer, check the USB cable.

- Verify that the cable is connected to the computer and to the product.
- Verify that the cable is not longer than 2 m (6.56 ft). Replace the cable if necessary.
- Verify that the cable is working correctly by connecting it to another product. Replace the cable if necessary.

Solve wireless problems

The installation program cannot detect the product during the setup process.

Cause	Solution
The product is off.	Verify that the product is on and ready. Restart the product if necessary.
The product is too far away from the wireless router or access point.	Move the product closer to the wireless router or access point.
A personal firewall program is blocking communication.	Temporarily disable the firewall program to install the product. Re-enable the firewall program once the product installation is complete. If disabling the firewall allows you to communicate with the product, you might want to assign the product a static IP address, and then re-enable the firewall. For information about firewalls that are used in an HP environment, see www.hp.com/support/XP_firewall_information .
The product is not communicating with the wireless router or access point.	• Verify that the wireless (i) light is on. If it is not on, press the wireless (i) button. • Move the product closer to the wireless router or access point, and then try again. • Restore the default wireless settings. a. Turn the product off. b. Press and hold the wireless (i) button and the cancel X button, and then turn the product on. c. Hold the buttons until all the lights blink in unison, and then release the buttons. If the error persists, uninstall the product, and then re-run the installer program. When prompted for network settings, provide the settings, and then continue the installation.

The product cannot connect to the wireless network.

Cause	Solution
The product wireless settings and the network settings do not match.	You might need to configure the product network settings manually. Verify that you know the following network settings: • Communication mode • Network name (SSID) • Channel (ad-hoc networks only) • Authentication type Use the Wireless Configuration utility to configure the product to print on wireless network. If the error persists, uninstall the product, and then re-run the installer program. When prompted for network settings, provide the settings, and then continue the installation.
The wireless router or access point is configured with a media access control (MAC) filter that is denying the product access to the network.	Configure the wireless router or access point so that the list of accepted MAC addresses includes the product hardware address. Refer to the device owners manual for help.

The wireless connection is sometimes disabled.

Cause	Solution
The product environment might be affecting wireless communication. The following situations can affect wireless communication: • A concrete or metal framed wall stands between the product and the wireless router or access point. • Televisions, computer appliances, microwave ovens, intercoms, mobile/cellular phones, battery chargers, and AC power adapters are installed close to the network. • A broadcast station or high-tension wire is located close to the network. • A fluorescent light that is near the network is being switched on or off.	Move the product to a location where it can receive a steady signal from the wireless router or access point. Or you might need to move the wireless router or access point.

Solve product software problems

Solve common Windows problems

Error message:

"General Protection FaultException OE"

"Spool32"

"Illegal Operation"

Cause	Solution
	Close all software programs, restart Windows, and try again.
	Delete all temporary files from the Temp subdirectory. To find the Temp folder, complete the following steps:
	1. Click the Start button, and then click the Run item. 2. In the Open box, type %temp%. 3. Click the OK button. A Windows Explorer window for the Temp folder opens.
	See the Microsoft Windows documentation that came with the computer for more information about Windows error messages.

Solve common Macintosh problems

Table 8-3 Problems in Mac OS X

The printer driver is not listed in the Printer Setup Utility or the Print & Fax list.

Cause	Solution
The product software might not have been installed or was installed incorrectly.	Make sure that the product .GZ file is in the following hard-drive folder: • Mac OS X v10.4: Library/Printers/PPDs/Contents/Resources/<lang>.lproj, where <lang> is the two-letter language code for the language that you are using. • Mac OS X v10.5 and v10.6: Library/Printers/PPDs/Contents/Resources If necessary, reinstall the software. See the getting started guide for instructions.
The Postscript Printer Description (PPD) file is corrupt.	Delete the .GZ file from the following hard-drive folder: • Mac OS X v10.4: Library/Printers/PPDs/Contents/Resources/<lang>.lproj, where <lang> is the two-letter language code for the language that you are using. • Mac OS X v10.5 and v10.6: Library/Printers/PPDs/Contents/Resources Reinstall the software. See the getting started guide for instructions.

The product name does not appear in the product list in the Printer Setup Utility or Print & Fax list.

Cause	Solution
The product might not be ready.	Make sure that the cables are connected correctly, the product is on, and the ready light  is on.
The wrong product name is being used.	Print a configuration page to check the product name. Verify that the name on the configuration page matches the product name in the Printer Setup Utility or the Print & Fax list.
The interface cable might be defective or of poor quality.	Replace the cable with a high-quality cable.

The printer driver does not automatically set up the selected product in the Printer Setup Utility or the Print & Fax list.

Cause	Solution
The product might not be ready.	Make sure that the cables are connected correctly, the product is on, and the ready light  is on.

Table 8-3 Problems in Mac OS X (continued)

The printer driver does not automatically set up the selected product in the Printer Setup Utility or the Print & Fax list.

Cause	Solution
The product software might not have been installed or was installed incorrectly.	Make sure that the product PPD is in the following hard-drive folder: • Mac OS X v10.4: Library/Printers/PPDs/Contents/Resources/<lang>.lproj, where <lang> is the two-letter language code for the language that you are using. • Mac OS X v10.5 and v10.6: Library/Printers/PPDs/Contents/Resources If necessary, reinstall the software. See the getting started guide for instructions.
The Postscript Printer Description (PPD) file is corrupt.	Delete the .GZ file from the following hard-drive folder: • Mac OS X v10.4: Library/Printers/PPDs/Contents/Resources/<lang>.lproj, where <lang> is the two-letter language code for the language that you are using. • Mac OS X v10.5 and v10.6: Library/Printers/PPDs/Contents/Resources Reinstall the software. See the getting started guide for instructions.
The interface cable might be defective or of poor quality.	Replace the interface cable with a high-quality cable.

A print job was not sent to the product that you wanted.

Cause	Solution
The print queue might be stopped.	Restart the print queue. Open print monitor and select Start Jobs .
The wrong product name is being used. Another product with the same or similar name might have received your print job.	Print a configuration page to check the product name. Verify that the name on the configuration page matches the product name in the Printer Setup Utility or Print & Fax list.

You are unable to print from a third-party USB card.

Cause	Solution
This error occurs when the software for USB products is not installed.	When adding a third-party USB card, you might need the Apple USB Adapter Card Support software. The most current version of this software is available from the Apple Web site.

When connected with a USB cable, the product does not appear in the Printer Setup Utility or Print & Fax list after the driver is selected.

Cause	Solution
This problem is caused by either a software or a hardware component.	Software troubleshooting • Check that your Macintosh supports USB. • Verify that your Macintosh operating system is Mac OS X v10.4 or later. • Ensure that your Macintosh has the appropriate USB software from Apple. Hardware troubleshooting • Check that the product is turned on. • Verify that the USB cable is connected correctly. • Check that you are using the appropriate high-speed USB cable. • Ensure that you do not have too many USB devices drawing power from the chain. Disconnect all of the devices from the chain, and connect the cable directly to the USB port on the host computer. • Check to see if more than two non-powered USB hubs are connected in a row on the chain. Disconnect all of the devices from the chain, and then connect the cable directly to the USB port on the host computer. NOTE: The iMac keyboard is a non-powered USB hub.

A Supplies and accessories

- [Order parts, accessories, and supplies](#)
- [Part numbers](#)

Order parts, accessories, and supplies

Order supplies and paper	www.hp.com/go/suresupply
Order genuine HP parts or accessories	www.hp.com/buy/parts
Order through service or support providers	Contact an HP-authorized service or support provider.

Part numbers

The following list of accessories was current at the time of printing. Ordering information and availability of the accessories might change during the life of the product.

Paper-handling accessories

Item	Description	Part number
Pickup roller	Pickup roller for input tray	RL1-1443-000CN
Separation pad assembly	Separation pad for input tray	RM1-4006-000CN

Print cartridges

Item	Description	Part number
HP LaserJet print cartridge	Black print cartridge	See one the following items to determine the print cartridge part number. • The configuration page • The supplies status page • The current print cartridge • www.hp.com/go/ljsupplies

Cables and interfaces

Item	Description	Part number
USB cable	2-meter A-to-B cable	8121-0868

B Service and support

- [Hewlett-Packard limited warranty statement](#)
- [HP's Premium Protection Warranty: LaserJet print cartridge limited warranty statement](#)
- [End User License Agreement](#)
- [Customer self-repair warranty service](#)
- [Customer support](#)
- [Repack the product](#)

Hewlett-Packard limited warranty statement

HP PRODUCT	DURATION OF LIMITED WARRANTY
HP LaserJet Professional P1100, P1100w	One year from date of purchase

HP warrants to you, the end-user customer, that HP hardware and accessories will be free from defects in materials and workmanship after the date of purchase, for the period specified above. If HP receives notice of such defects during the warranty period, HP will, at its option, either repair or replace products which prove to be defective. Replacement products may be either new or equivalent in performance to new.

HP warrants to you that HP software will not fail to execute its programming instructions after the date of purchase, for the period specified above, due to defects in material and workmanship when properly installed and used. If HP receives notice of such defects during the warranty period, HP will replace software which does not execute its programming instructions due to such defects.

HP does not warrant that the operation of HP products will be uninterrupted or error free. If HP is unable, within a reasonable time, to repair or replace any product to a condition as warranted, you will be entitled to a refund of the purchase price upon prompt return of the product.

HP products may contain remanufactured parts equivalent to new in performance or may have been subject to incidental use.

Warranty does not apply to defects resulting from (a) improper or inadequate maintenance or calibration, (b) software, interfacing, parts or supplies not supplied by HP, (c) unauthorized modification or misuse, (d) operation outside of the published environmental specifications for the product, or (e) improper site preparation or maintenance.

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HP's limited warranty is valid in any country/region or locality where HP has a support presence for this product and where HP has marketed this product. The level of warranty service you receive may vary according to local standards. HP will not alter form, fit or function of the product to make it operate in a country/region for which it was never intended to function for legal or regulatory reasons.

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HP's Premium Protection Warranty: LaserJet print cartridge limited warranty statement

This HP product is warranted to be free from defects in materials and workmanship.

This warranty does not apply to products that (a) have been refilled, refurbished, remanufactured or tampered with in any way, (b) experience problems resulting from misuse, improper storage, or operation outside of the published environmental specifications for the printer product or (c) exhibit wear from ordinary use.

To obtain warranty service, please return the product to place of purchase (with a written description of the problem and print samples) or contact HP customer support. At HP's option, HP will either replace products that prove to be defective or refund your purchase price.

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9. U.S. GOVERNMENT CUSTOMERS. If you are a U.S. Government entity, then consistent with FAR 12.211 and FAR 12.212, Commercial Computer Software, Computer Software Documentation, and Technical Data for Commercial Items are licensed under the applicable HP commercial license agreement.

10. COMPLIANCE WITH EXPORT LAWS. You will comply with all laws, rules, and regulations (i) applicable to the export or import of the Software, or (ii) restricting the Use of the Software, including any restrictions on nuclear, chemical, or biological weapons proliferation.

11. RESERVATION OF RIGHTS. HP and its suppliers reserve all rights not expressly granted to you in this EULA.

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Rev. 11/06

Customer self-repair warranty service

HP products are designed with many Customer Self Repair (CSR) parts to minimize repair time and allow for greater flexibility in performing defective parts replacement. If during the diagnosis period, HP identifies that the repair can be accomplished by the use of a CSR part, HP will ship that part directly to you for replacement. There are two categories of CSR parts: 1) Parts for which customer self repair is mandatory. If you request HP to replace these parts, you will be charged for the travel and labor costs of this service. 2) Parts for which customer self repair is optional. These parts are also designed for Customer Self Repair. If, however, you require that HP replace them for you, this may be done at no additional charge under the type of warranty service designated for your product.

Based on availability and where geography permits, CSR parts will be shipped for next business day delivery. Same-day or four-hour delivery may be offered at an additional charge where geography permits. If assistance is required, you can call the HP Technical Support Center and a technician will help you over the phone. HP specifies in the materials shipped with a replacement CSR part whether a defective part must be returned to HP. In cases where it is required to return the defective part to HP, you must ship the defective part back to HP within a defined period of time, normally five (5) business days. The defective part must be returned with the associated documentation in the provided shipping material. Failure to return the defective part may result in HP billing you for the replacement. With a customer self repair, HP will pay all shipping and part return costs and determine the courier/carrier to be used.

Customer support

Get telephone support for your country/region	Country/region phone numbers are on the flyer that was in the box with your product or at www.hp.com/support/ .
Have the product name, serial number, date of purchase, and problem description ready.	
Get 24-hour Internet support	www.hp.com/support/ljp1100series
Get support for products used with a Macintosh computer	www.hp.com/go/macosex
Download software utilities, drivers, and electronic information	www.hp.com/support/ljp1100series
Order additional HP service or maintenance agreements	www.hp.com/go/carepack

Repack the product

If HP Customer Care determines that your product needs to be returned to HP for repair, follow these steps to repack the product before shipping it.

 **CAUTION:** Shipping damage as a result of inadequate packing is the customer's responsibility.

1. Remove and retain the print cartridge.

 **CAUTION:** It is *extremely important* to remove the print cartridge before shipping the product. A print cartridge that remains in the product during shipping can leak and cover the product engine and other parts with toner.

To prevent damage to the print cartridge, avoid touching the roller on it, and store the print cartridge in its original packing material or so that it is not exposed to light.

2. Remove and retain the power cable, interface cable, and optional accessories, such as an EIO card.
3. If possible, include print samples and 50 to 100 sheets of paper or other print media that did not print correctly.
4. In the U.S., call HP Customer Care to request new packing material. In other areas, use the original packing material, if possible. Hewlett-Packard recommends insuring the equipment for shipment.

C Specifications

- [Physical specifications](#)
- [Power consumption, electrical specifications, and acoustic emissions](#)
- [Environmental specifications](#)

Physical specifications

Table C-1 Physical specifications¹

Specification	HP LaserJet Professional P1100 Printer series
Product weight	5.3 kg (11.6 lb)
Product height	194 mm (7.6 in)
Product depth	224 mm (8.8 in)
Product width	347 mm (13.7 in)

¹ Values are based on preliminary data. See www.hp.com/support/ljp1100series.

Power consumption, electrical specifications, and acoustic emissions

See www.hp.com/go/ljp1100_regulatory for current information.

Environmental specifications

Table C-2 Environmental specifications

	Operating ¹	Storage ¹
Temperature	15° to 32.5°C (59° to 90.5°F)	-20° to 40°C (-4° to 104°F)
Relative Humidity	10% to 80%	10% to 90%

¹ Values are based on preliminary data. See www.hp.com/support/ljp1100series.

D Regulatory information

- [FCC regulations](#)
- [Environmental product stewardship program](#)
- [Declaration of Conformity \(HP LaserJet Professional P1102, P1102s, P1106, and P1108\)](#)
- [Declaration of Conformity \(HP LaserJet Professional P1102w\)](#)
- [Declaration of Conformity \(HP LaserJet Pro P1102w\)](#)
- [Safety statements](#)
- [Additional statements for wireless products](#)

FCC regulations

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. If this equipment is not installed and used in accordance with the instructions, it 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 separation between equipment and receiver.
- Connect equipment to an outlet on a circuit different from that to which the receiver is located.
- Consult your dealer or an experienced radio/TV technician.



NOTE: Any changes or modifications to the printer that are not expressly approved by HP could void the user's authority to operate this equipment.

Use of a shielded interface cable is required to comply with the Class B limits of Part 15 of FCC rules.

Environmental product stewardship program

Protecting the environment

Hewlett-Packard Company is committed to providing quality products in an environmentally sound manner. This product has been designed with several attributes to minimize impacts on our environment.

Ozone production

This product generates no appreciable ozone gas (O₃).

Power consumption

Power usage drops significantly while in Ready or Auto-Off mode, which saves natural resources and saves money without affecting the high performance of this product. Hewlett-Packard printing and imaging equipment marked with the ENERGY STAR® logo is qualified to the U.S. Environmental Protection Agency's ENERGY STAR specifications for imaging equipment. The following mark will appear on ENERGY STAR qualified imaging products:



Additional ENERGY STAR qualified imaging product model information is listed at:

www.hp.com/go/energystar

Toner consumption

EconoMode uses less toner, which might extend the life of the print cartridge.

Paper use

This product's manual duplex feature (two-sided printing) and N-up printing (multiple pages printed on one page) capability can reduce paper usage and the resulting demands on natural resources.

Plastics

Plastic parts over 25 grams are marked according to international standards that enhance the ability to identify plastics for recycling purposes at the end of the product's life.

HP LaserJet print supplies

It's easy to return and recycle your HP LaserJet print cartridges after use—free of charge—with HP Planet Partners. Multilingual program information and instructions are included in every new

HP LaserJet print cartridge and supplies package. You help reduce the toll on the environment further when you return multiple cartridges together rather than separately.

HP is committed to providing inventive, high-quality products and services that are environmentally sound, from product design and manufacturing to distribution, customer use and recycling. When you participate in the HP Planet Partners program, we ensure your HP LaserJet print cartridges are recycled properly, processing them to recover plastics and metals for new products and diverting millions of tons of waste from landfills. Since this cartridge is being recycled and used in new materials, it will not be returned to you. Thank you for being environmentally responsible!



NOTE: Use the return label to return original HP LaserJet print cartridges only. Please do not use this label for HP inkjet cartridges, non-HP cartridges, refilled or remanufactured cartridges or warranty returns. For information about recycling your HP inkjet cartridges please go to <http://www.hp.com/recycle>.

Return and recycling instructions

United States and Puerto Rico

The enclosed label in the HP LaserJet toner cartridge box is for the return and recycling of one or more HP LaserJet print cartridges after use. Please follow the applicable instructions below.

Multiple returns (more than one cartridge)

1. Package each HP LaserJet print cartridge in its original box and bag.
2. Tape the boxes together using strapping or packaging tape. The package can weigh up to 31 kg (70 lb).
3. Use a single pre-paid shipping label.

OR

1. Use your own suitable box, or request a free bulk collection box from www.hp.com/recycle or 1-800-340-2445 (holds up to 31 kg (70 lb) of HP LaserJet print cartridges).
2. Use a single pre-paid shipping label.

Single returns

1. Package the HP LaserJet print cartridge in its original bag and box.
2. Place the shipping label on the front of the box.

Shipping

For all HP LaserJet print cartridge recycling returns, give the package to UPS during your next delivery or pickup, or take it to an authorized UPS drop-off center. For the location of your local UPS drop-off center, call 1-800-PICKUPS or visit www.ups.com. If you are returning via USPS label, give the package to a U.S. Postal Service carrier or drop off at a U.S. Postal Service Office. For more information, or to order additional labels or boxes for bulk returns, visit www.hp.com/recycle or call 1-800-340-2445. Requested UPS pickup will be charged normal pickup rates. Information subject to change without notice.

Residents of Alaska and Hawaii

Do not use the UPS label. Call 1-800-340-2445 for information and instructions. The U.S. Postal Service provides no-cost cartridge return transportation services under an arrangement with HP for Alaska and Hawaii.

Non-U.S. returns

To participate in HP Planet Partners return and recycling program, just follow the simple directions in the recycling guide (found inside the packaging of your new product supply item) or visit www.hp.com/recycle. Select your country/region for information on how to return your HP LaserJet printing supplies.

Paper

This product is capable of using recycled papers when the paper meets the guidelines outlined in the *HP LaserJet Printer Family Print Media Guide*. This product is suitable for the use of recycled paper according to EN12281:2002.

Material restrictions

This HP product does not contain added mercury.

This HP product does not contain a battery.

Disposal of waste equipment by users in private households in the European Union



This symbol on the product or on its packaging indicates that this product must not be disposed of with your other household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

Chemical substances

HP is committed to providing our customers with information about the chemical substances in our products as needed to comply with legal requirements such as REACH (Regulation EC No 1907/2006 of the European Parliament and the Council). A chemical information report for this product can be found at: www.hp.com/go/reach.

Material Safety Data Sheet (MSDS)

Material Safety Data Sheets (MSDS) for supplies containing chemical substances (for example, toner) can be obtained by accessing the HP Web site at www.hp.com/go/msds or www.hp.com/hpinfo/community/environment/productinfo/safety.

For more information

To obtain information about these environmental topics:

- Product environmental profile sheet for this and many related HP products
- HP's commitment to the environment
- HP's environmental management system
- HP's end-of-life product return and recycling program
- Material Safety Data Sheets

Visit www.hp.com/go/environment or www.hp.com/hpinfo/globalcitizenship/environment.

Declaration of Conformity (HP LaserJet Professional P1102, P1102s, P1106, and P1108)

Declaration of Conformity

according to ISO/IEC 17050-1 and EN 17050-1

Manufacturer's Name: Hewlett-Packard Information Technology R&D (Shanghai) Co., Ltd. DoC#: BOISB-0901-00-rel.4.0

Manufacturer's Address: Building 6, No. 690 BiBo Road, Zhangjiang, Shanghai, China

declares, that the product

Product Name: HP LaserJet Professional P1102

HP LaserJet Pro P1102s/P1106/P1108

Regulatory Model:²⁾ BOISB-0901-00

Product Options: ALL

Print Cartridges: CE285A, CC388A

conforms to the following Product Specifications:

SAFETY: IEC 60950-1:2005 / EN60950-1: 2006 +A11:2009
IEC 60825-1:2007 / EN 60825-1:2007 (Class 1 Laser/LED Product)
IEC 62311:2007 / EN62311:2008
GB4943-2001

EMC: CISPR22:2005 +A1 / EN55022:2006 +A1 - Class B¹⁾
EN 61000-3-2:2006
EN 61000-3-3:2008
EN 55024:1998 +A1 +A2
FCC Title 47 CFR, Part 15 Class B / ICES-003, Issue 4
GB9254-2008, GB17625.1-2003

ENERGY USE: Regulation (EC) No. 1275/2008
ENERGY STAR® Qualified Imaging Equipment Typical Electricity Consumption (TEC) Test Procedure

Supplementary Information:

The product herewith complies with the requirements of the EMC Directive 2004/108/EC, the Low Voltage Directive 2006/95/EC and the EuP Directive 2005/32/EC, and carries the CE-Marking  accordingly.

This Device 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.

1. The product was tested in a typical configuration with Hewlett-Packard Personal Computer Systems.
2. For regulatory purposes, this product is assigned a Regulatory model number. This number should not be confused with the product name or the product number(s).

Shanghai, China

December 2010

For Regulatory Topics only, contact:

European Contact	Your Local Hewlett-Packard Sales and Service Office or Hewlett-Packard GmbH, Department HQ-TRE / Standards Europe, Herrenberger Straße 140, D-71034 Böblingen (FAX: +49-7031-14-3143) www.hp.eu/certificates
USA Contact	Product Regulations Manager, Hewlett-Packard, 3000 Hanover St., Palo Alto 94304, U.S.A. 1-650-857-1501

Declaration of Conformity (HP LaserJet Professional P1102w)

Declaration of Conformity

according to ISO/IEC 17050-1 and EN 17050-1

Manufacturer's Name: Hewlett-Packard Information Technology R&D (Shanghai) Co., Ltd. DoC#: BOISB-0901-01-rel.6.0

Manufacturer's Address: Building 6, No. 690 BiBo Road, Zhangjiang, Shanghai, China

declares, that the product

Product Name: HP LaserJet Professional P1102w

Regulatory Model:²⁾ BOISB-0901-01

Product Options: ALL

Radio Module³⁾ BOISB-0803-00

Print Cartridges: CE285A

conforms to the following Product Specifications:

SAFETY: IEC 60950-1:2005 / EN60950-1: 2006 +A11:2009
IEC 60825-1:2007 / EN 60825-1:2007 (Class 1 Laser/LED Product)
IEC 62311:2007 / EN62311:2008
GB4943-2001

EMC: CISPR22:2005 +A1/ EN55022:2006 +A1 - Class B¹⁾
EN 61000-3-2:2006
EN 61000-3-3:2008
EN 55024:1998 +A1 +A2
FCC Title 47 CFR, Part 15 Class B¹⁾ / ICES-003, Issue 4
GB9254-2008, GB17625.1-2003

Radio³⁾ EN 301 489-1 V1.8.1 / EN 301 489-17 V2.1.1
EN 300 328 V1.7.1
FCC Title 47 CFR, Part 15 Subpart C (Section 15.247) / IC: RSS-210

ENERGY USE: Regulation (EC) No. 1275/2008
ENERGY STAR® Qualified Imaging Equipment Typical Electricity Consumption (TEC) Test Procedure

Supplementary Information:

The product herewith complies with the requirements of the R&TTE Directive 1999/5/EC Annex IV, EMC Directive 2004/108/EC, the Low Voltage Directive 2006/95/EC and the EuP Directive 2005/32/EC, and carries the CE-Marking  accordingly.

This Device 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.

1. The product was tested in a typical configuration with Hewlett-Packard Personal Computer Systems.
2. For regulatory purposes, this product is assigned a Regulatory model number. This number should not be confused with the product name or the product number(s).
3. This product uses a radio module device which Regulatory Model number is BOISB-0803-00 as needed to meet technical regulatory requirements for the countries/regions this product will be sold.

Shanghai, China

December 2010

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USA Contact	Product Regulations Manager, Hewlett-Packard, 3000 Hanover St., Palo Alto 94304, U.S.A. 1-650-857-1501

Declaration of Conformity (HP LaserJet Pro P1102w)

Declaration of Conformity

according to ISO/IEC 17050-1 and EN 17050-1

Manufacturer's Name: Hewlett-Packard Information Technology R&D (Shanghai) Co., Ltd. DoC#: BOISB-0901-06-rel.1.0

Manufacturer's Address: Building 6, No. 690 BiBo Road, Zhangjiang, Shanghai, China

declares, that the product

Product Name: HP LaserJet Pro P1102w

Regulatory Model:²⁾ BOISB-0901-06

Product Options: ALL

Radio Module³⁾ SDGOB-0892

Print Cartridges: CE285A

conforms to the following Product Specifications:

SAFETY: IEC 60950-1:2005 / EN60950-1: 2006 +A11:2009
IEC 60825-1:2007 / EN 60825-1:2007 (Class 1 Laser/LED Product)
IEC 62311:2007 / EN62311:2008
GB4943-2001

EMC: CISPR22:2005 +A1/ EN55022:2006 +A1 - Class B¹⁾
EN 61000-3-2:2006
EN 61000-3-3:2008
EN 55024:1998 +A1 +A2
FCC Title 47 CFR, Part 15 Class B / ICES-003, Issue 4
GB9254-2008, GB17625.1-2003

Radio³⁾ EN 301 489-1 V1.8.1 / EN 301 489-17 V2.1.1
EN 300 328 V1.7.1
FCC Title 47 CFR, Part 15 Subpart C (Section 15.247) / IC: RSS-210

ENERGY USE: Regulation (EC) No. 1275/2008
ENERGY STAR® Qualified Imaging Equipment Typical Electricity Consumption (TEC) Test Procedure

Supplementary Information:

The product herewith complies with the requirements of the R&TTE Directive 1999/5/EC Annex IV, EMC Directive 2004/108/EC, the Low Voltage Directive 2006/95/EC and the EuP Directive 2005/32/EC, and carries the CE-Marking  accordingly.

This Device 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.

1. The product was tested in a typical configuration with Hewlett-Packard Personal Computer Systems.
2. For regulatory purposes, this product is assigned a Regulatory model number. This number should not be confused with the product name or the product number(s).
3. This product uses a radio module device which Regulatory Model number is SDGOB-0892 as needed to meet technical regulatory requirements for the countries/regions this product will be sold.

Shanghai, China

December 2010

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USA Contact	Product Regulations Manager, Hewlett-Packard, 3000 Hanover St., Palo Alto 94304, U.S.A. 1-650-857-1501

Safety statements

Laser safety

The Center for Devices and Radiological Health (CDRH) of the U.S. Food and Drug Administration has implemented regulations for laser products manufactured since August 1, 1976. Compliance is mandatory for products marketed in the United States. The device is certified as a “Class 1” 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. Since radiation emitted inside the device is completely confined within protective housings and external covers, the laser beam cannot escape during any phase of normal user operation.

⚠ WARNING! Using controls, making adjustments, or performing procedures other than those specified in this user guide may result in exposure to hazardous radiation.

Canadian DOC regulations

Complies with Canadian EMC Class B requirements.

« Conforme à la classe B des normes canadiennes de compatibilité électromagnétiques. « CEM ». »

VCCI statement (Japan)

この装置は、情報処理装置等電波障害自主規制協議会（VCCI）の基準に基づくクラスB情報技術装置です。この装置は、家庭環境で使用することを目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、受信障害を引き起こすことがあります。
取扱説明書に従って正しい取り扱いをして下さい。

Power cord instructions

Make sure your power source is adequate for the product voltage rating. The voltage rating is on the product label. The product uses either 110-127 Vac or 220-240 Vac and 50/60 Hz.

Connect the power cord between the product and a grounded AC outlet.

⚠ CAUTION: To prevent damage to the product, use only the power cord that is provided with the product.

Power cord statement (Japan)

製品には、同梱された電源コードをお使い下さい。
同梱された電源コードは、他の製品では使用出来ません。

EMC statement (Korea)

B급 기기 (가정용 방송통신기기)	이 기기는 가정용(B급)으로 전자파적합등록을 한 기기로서 주로 가정에서 사용하는 것을 목적으로 하며, 모든 지역에서 사용할 수 있습니다.
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Laser statement for Finland

Luokan 1 laserlaite

Klass 1 Laser Apparat

HP LaserJet Professional P1100, P1100w, laserkirjoitin on käyttäjän kannalta turvallinen luokan 1 laserlaite. Normaalisessa käytössä kirjoittimen suojakoteloiminen estää lasersäteiden pääsyn laitteen ulkopuolelle. Laitteen turvallisuusluokka on määritetty standardin EN 60825-1 (1994) mukaisesti.

VAROITUS !

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

VARNING !

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

HUOLTO

HP LaserJet Professional P1100, P1100w - kirjoittimen sisällä ei ole käyttäjän huollettavissa olevia kohteita. Laitteen saa avata ja huoltaa ainoastaan sen huoltamiseen koulutettu henkilö. Tällaiseksi huoltotoimenpiteeksi ei katsota väriainekasetin vaihtamista, paperiradan puhdistusta tai muita käyttäjän käsikirjassa lueteltuja, käyttäjän tehtäväksi tarkoitettuja ylläpitotoimia, jotka voidaan suorittaa ilman erikoistyökaluja.

VARO !

Mikäli kirjoittimen suojakotelo avataan, olet alttiina näkymättömälle lasersäteilylle laitteen ollessa toiminnassa. Älä katso säteeseen.

VARNING !

Om laserprinterns skyddshölje öppnas då apparaten är i funktion, utsätts användaren för osynlig laserstrålning. Betrakta ej strålen. Tiedot laitteesta käytettävän laserdiodin säteilyominaisuuksista: Aallonpituus 775-795 nm Teho 5 m W Luokan 3B laser.

GS statement (Germany)

Das Gerät ist nicht für die Benutzung im unmittelbaren Gesichtsfeld am Bildschirmarbeitsplatz vorgesehen. Um störende Reflexionen am Bildschirmarbeitsplatz zu vermeiden, darf dieses Produkt nicht im unmittelbaren Gesichtsfeld platziert werden.

Substances Table (China)

有毒有害物质表

根据中国电子信息产品污染控制管理办法的要求而出台

部件名称	有毒有害物质和元素					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
打印引擎	X	0	X	0	0	0
控制面板	0	0	0	0	0	0
塑料外壳	0	0	0	0	0	0
格式化板组件	X	0	0	0	0	0
碳粉盒	X	0	0	0	0	0

3685

0：表示在此部件所用的所有同类材料中，所含的此有毒或有害物质均低于 SJ/T11363-2006 的限制要求。

X：表示在此部件所用的所有同类材料中，至少一种所含的此有毒或有害物质高于 SJ/T11363-2006 的限制要求。

注：引用的“环保使用期限”是根据在正常温度和湿度条件下操作使用产品而确定的。

Restriction on Hazardous Substances statement (Turkey)

Türkiye Cumhuriyeti: EEE Yönetmeliğine Uygundur

Additional statements for wireless products

FCC compliance statement—United States

Exposure to radio frequency radiation

⚠ CAUTION: The radiated output power of this device is far below the FCC radio frequency exposure limits. Nevertheless, the device shall be used in such a manner that the potential for human contact during normal operation is minimized.

In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 20 cm (8 in) during normal operation.

This device complies with Part 15 of FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

⚠ CAUTION: Based on Section 15.21 of the FCC rules, changes of modifications to the operation of this product without the express approval by Hewlett-Packard Company may invalidate its authorized use.

Australia statement

This device incorporates a radio-transmitting (wireless) device. For protection against radio transmission exposure, it is recommended that this device be operated no less than 20 cm from the head, neck, or body.

Brazil ANATEL statement

Este equipamento opera em caráter secundário, isto é, não tem direito à proteção contra interferência prejudicial, mesmo de estações do mesmo tipo, e não pode causar interferência a sistemas operando em caráter primário.

Canadian statements

For Indoor Use. This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the radio interference regulations of the Canadian Department of Communications. The internal wireless radio complies with RSS 210 of Industry Canada.

Pour l'usage d'intérieur. Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de Classe B prescrites dans le règlement sur le brouillage radioélectrique édicté par le Ministère des Communications du Canada. Le composant RF interne est conforme à la norme CNR-210 d'Industrie Canada.

European Union regulatory notice

The telecommunications functionality of this product may be used in the following EU and EFTA countries/regions:

Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovak Republic, Slovenia, Spain, Sweden, Switzerland, and United Kingdom.

Notice for use in France

For 2.4 GHz Wireless LAN operation of this product certain restrictions apply: This equipment may be used indoor for the entire 2400-2483.5 MHz frequency band (channels 1-13). For outdoor use, only 2400-2454 MHz frequency band (channels 1-9) may be used. For the latest requirements, see www.arcep.fr.

L'utilisation de cet équipement (2.4 GHz Wireless LAN) est soumise à certaines restrictions : Cet équipement peut être utilisé à l'intérieur d'un bâtiment en utilisant toutes les fréquences de 2400-2483.5 MHz (Chaîne 1-13). Pour une utilisation en environnement extérieur, vous devez utiliser les fréquences comprises entre 2400-2454 MHz (Chaîne 1-9). Pour les dernières restrictions, voir, www.arcep.fr.

Notice for use in Russia

Существуют определенные ограничения по использованию беспроводных сетей (стандарта 802.11 b/g) с рабочей частотой 2,4 ГГц: Данное оборудование может использоваться внутри помещений с использованием диапазона частот 2400-2483,5 МГц (каналы 1-13). При использовании внутри помещений максимальная эффективная изотропно-излучаемая мощность (ЭИИМ) должна составлять не более 100мВт.

Korean statement

당해 무선설비는 운용 중 전파혼선 가능성이 있음

Taiwan statement

低功率電波輻射性電機管理辦法

第十二條 經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。

第十四條 低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。
前項合法通信，指依電信法規定作業之無線電通信。
低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

Vietnam Telecom wired marking for ICTQC Type approved products



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CE651-91008

