HP Officejet Pro L7400
All-in-One series

User Guide

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Copyright information

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Acknowledgements

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Safety information

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Always follow basic safety precautions when using this product to reduce risk of injury from fire or electric shock.

1. Read and understand all instructions in the documentation that comes with the device.

2. Use only a grounded electrical outlet when connecting this product to a power source. If you do not know whether the outlet is grounded, check with a qualified electrician.

3. Observe all warnings and instructions marked on the product.

4. Unplug this product from wall outlets before cleaning.

5. Do not install or use this product near water, or when you are wet.

6. Install the product securely on a stable surface.

7. Install the product in a protected location where no one can step on or trip over the line cord, and the line cord cannot be damaged.

8. If the product does not operate normally, see Maintain and troubleshoot.

9. There are no user-serviceable parts inside. Refer servicing to qualified service personnel.

Accessibility

The device provides a number of features that make it accessible for people with disabilities.

Visual

The device software is accessible for users with visual impairments or low vision through the use of your operating system's accessibility options and features. It also supports most assistive technology such as screen readers, Braille readers, and voice-to-text applications. For users who are color blind, colored buttons and tabs used in the software and on the control panel have simple text or icon labels that convey the appropriate action.

Mobility

For users with mobility impairments, the device software functions can be executed through keyboard commands. The software also supports Windows accessibility options such as StickyKeys, ToggleKeys, FilterKeys, and MouseKeys. The device doors, buttons, paper trays, and paper guides can be operated by users with limited strength and reach.

Support

For more details about the accessibility of this product and HP's commitment to product accessibility, visit HP's Web site at www.hp.com/accessibility.

For accessibility information for the Mac OS, visit the Apple Web site at www.apple.com/accessibility.

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8   Maintain and troubleshoot

Contents

1 Get started

This guide provides details about how to use the device and to resolve problems.

- Find other resources for the product
- Understand the device parts

Find other resources for the product

You can obtain product information and further troubleshooting resources that are not
included in this guide from the following resources:

Resource	Description	Location
Setup poster	Provides illustrated setup information.	A printed version of the document is provided with the device.
Readme file and release notes	Provide late-breaking information and troubleshooting tips.	Included on the Starter CD.
Toolbox (Microsoft® Windows®)	Provides information about printhead health and access to maintenance services. For more information, see Toolbox (Windows).	The Toolbox is typically installed with the device software as an available installation option.
HP Printer Utility (Mac OS)	Contains tools to configure print settings, calibrate the device, clean the printheads, print the configuration page, order supplies online, and find support information from the Web site. For more information, see HP Printer Utility (Mac OS).	The HP Printer Utility is typically installed with the device software.
HP Instant Support	Helps you quickly identify, diagnose, and resolve printing problems. For more information, see HP Instant Support.	Available through any standard Web browser or through the Toolbox (Windows).
Control panel	Provides status, error, and warning information about operations.	For more information, see Control panel buttons and lights.
Logs and reports	Provides information about events that have occurred.	For more information, see Monitor the device.

Self-Test diagnostic page	• Device information:
	   • Product name
	   • Model number
		For more information, see Understand the self-test diagnostic page.

Resource	Description	Location
- Serial number - Firmware version number • Number of pages printed from the trays and accessories • Ink levels • Printhead health status		
Print quality diagnostic page	Diagnoses issues that affect print quality and helps you decide whether to run any maintenance tools to improve the print quality of your printouts.	For more information, see Print the print quality diagnostic page.
HP Web sites	Provide the latest printer software, and product and support information.	www.hp.com/support www.hp.com
HP telephone support	Lists information to contact HP. During the warranty period, this support is often free of charge.	For more information, see Obtain HP telephone support.
HP photo and imaging software help	Provides information about using the software.	For more information, see Use the HP photo and imaging software.

Understand the device parts

- Front view
- Printing supplies area
- Back view
- Control panel buttons and lights
- Connection information

Front view

1	Scanner lid
2	Scanner glass
3	Control panel
4	Display
5	Length/width guides
6	Input tray
7	Output tray extension
8	Output tray

Printing supplies area
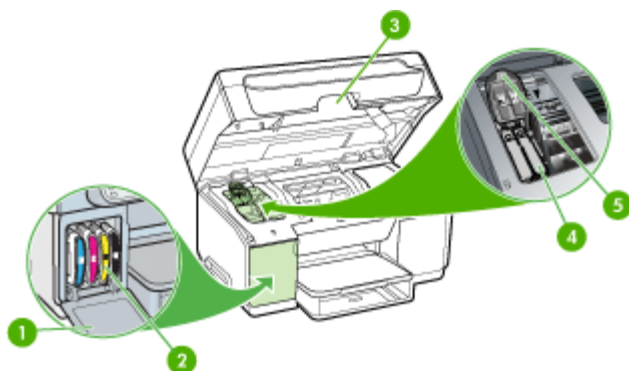
1	Ink cartridge door
2	Ink cartridges
3	Print-carriage access door

4	Printheads
5	Printhead latch

Back view
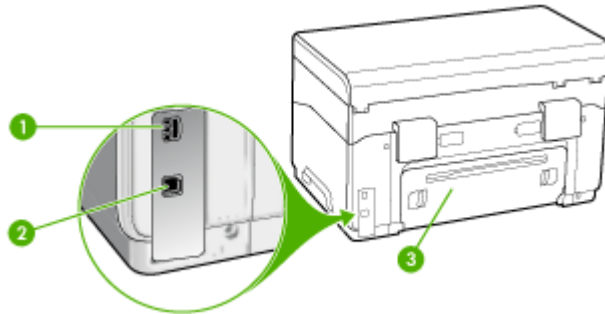
1	Power input
2	Rear universal serial bus (USB) port
3	Rear access panel

Control panel buttons and lights

The following diagram and related table provide a quick reference to the control panel features.
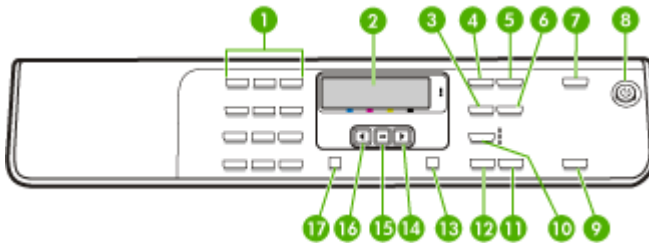
Label	Name and Description
1	**Keypad**: Enters values.
2	**Display**: View menus and messages.
3	**Reduce/Enlarge**: Changes the size of a copy for printing.
4	**Copy Menu**: Presents the Copy menu for selecting options.
5	**Number of Copies**: Select the number of copies to be printed.
6	**Lighter/Darker**: Allows you to change the darkness of a copy.

Label	Name and Description
7	**Scan To**: Presents the Scan To menu for selecting a scan destination.
8	**Power**: Turns the device on or off. The Power button is lit when the device is on. The light blinks while performing a job. When the device is turned off, a minimal amount of power is still supplied. To completely disconnect the power supply, turn the device off, and then unplug the power cord.
9	**START SCAN**: Starts a scan job and sends it to the destination you selected using the Scan To button.
10	**Quality**: Selects Best, Normal, or Fast quality for copying.
11	**START COPY Color**: Starts a color copy job.
12	**START COPY Black**: Starts a black-and-white copy job.
13	**Cancel**: Stops a job, exits a menu, or exits settings.
14	**Right arrow**: Increases values on the display.
15	**OK**: Selects a menu or a setting on the display.
16	**Left arrow**: Decreases values on the display.
17	**Setup**: Presents the Setup Menu for generating reports and other maintenance settings, and accessing the Help menu. The topic that you select from the Help menu opens a help window on your computer screen.

Connection information

Description	Recommended number of connected computers for best performance	Supported software features	Setup instructions
USB connection	One computer connected with a USB cable to the rear USB 2.0 high-speed port on the device.	All features are supported.	Follow the setup poster guide for detailed instructions.
Printer sharing	Up to five computers. The host computer must be turned on at all times, or the other computers cannot print to the device.	All features resident on the host computer are supported. Only print is supported from the other computers.	Follow the instructions in Share the device on a locally shared network.

2 Install the accessories

This section contains the following topics:

- Install the duplexer
- Install Tray 2
- Turn on accessories in the print driver

Install the duplexer

NOTE: This feature is available with some models of the device.

You can print on both sides of a sheet of paper automatically when the optional automatic two-sided printing accessory (duplexer) is installed. For information on using the duplexer, see Print on both sides (duplexing).

To install the duplexer

1. Push the buttons on the rear access panel and remove the panel from the device.
2. Slide the duplexer into the device until the unit locks into place. Do not press the buttons on either side of the duplexer when installing the unit; use them only for removing the unit from the device.
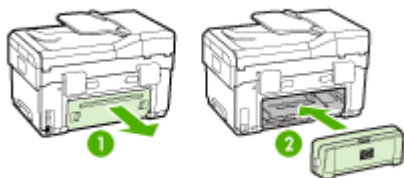
Install Tray 2

NOTE: This feature is optional with some models of the device.

Tray 2 can hold up to 350 sheets of plain paper. For ordering information, see HP supplies and accessories.

To install Tray 2

1. Unpack the tray, remove the packing tapes and materials, and move the tray to the prepared location. The surface must be sturdy and level.
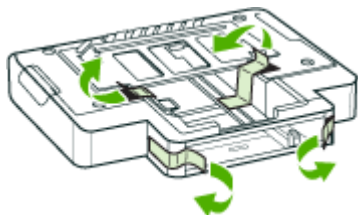
2. Turn off the device, and disconnect the power cord.
3. Set the device on top of the tray.

△ **CAUTION:** Be careful to keep your fingers and hands clear of the bottom of the device.
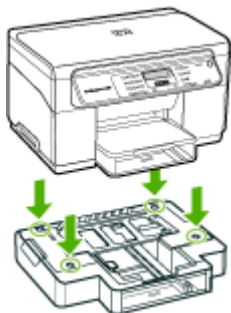
4. Connect the power cord and turn on the device.
5. Enable Tray 2 in the print driver. For more information, see Turn on accessories in the print driver.

Turn on accessories in the print driver

- To turn on accessories on Windows computers
- To turn on accessories on Macintosh computers

To turn on accessories on Windows computers

After you install the device software on Windows computers, Tray 2 must be turned on in the print driver in order for it to work with the device. (The duplexer does not need to be turned on.)

1. Click **Start**, point to **Settings**, and then click **Printers** or **Printers and Faxes**.
    - Or -
    Click **Start**, click **Control Panel**, and then double-click **Printers**.
2. Right-click the printer icon, and then click **Properties**, **Document Defaults**, or **Printing Preferences**.
3. Select one of these tabs: **Configure**, **Device Settings**, or **Device Options**. (The name of the tab depends on the print driver and the operating system.) On the selected tab, click the accessory that you want to turn on, click **Installed** from the drop-down menu, and then click **OK**.

To turn on accessories on Macintosh computers

The Mac OS automatically turns on all accessories in the print driver when you install the device software. If you add a new accessory later, follow these steps:

1. Click the **Printer Setup Utility** icon in the Dock.
2. On the **Printer List** window, click once on the device you want to set up to select it.
3. From the **Printers** menu, select **Show info**.
4. Click the **Names and Location** drop-down menu and select **Installable Options**.
5. Check the accessory that you want to turn on.
6. Click **Apply Changes**.

3 Use the device

This section contains the following topics:

- Use control panel menus
- Control-panel message types
- Change device settings
- Use the HP Solution Center (Windows)
- Use the HP photo and imaging software
- Load originals
- Select print media
- Load media
- Configure trays
- Print on special and custom-sized media
- Print borderless

Use control panel menus

The following sections provide a quick reference to top-level menus that appear on the control-panel display. To display a menu, press the menu button for the function you want to use.

- **Scan menu:** Presents a list of destinations. Some destinations require the HP Photosmart Software to be loaded.
- **Copy menu:** Menu options include:
  - Selecting copy quantities
  - Reducing/enlarging
  - Selecting media type and size

Control-panel message types

This section contains the following topics:

- Status messages
- Warning messages
- Error messages
- Critical error messages

Status messages

Status messages reflect the current state of the device. They inform you of normal operation and require no action to clear them. They change as the state of the device changes. Whenever the device is ready, not busy, and has no pending warning messages, the status message **READY** appears if the device is turned on.

Warning messages

Warning messages inform you of events that require your attention, but they do not prevent the device from operating. An example of a warning message is **CYAN INK LOW**. These messages appear until you resolve the condition.

Error messages

Error messages communicate that some action must be performed, such as adding media or clearing a media jam. These messages are usually accompanied by a blinking red Attention light. Take the appropriate action to continue printing.

If the error message shows an error code, press the Power button to turn off the device, and then turn it on again. In most situations, this action solves the problem. If the message persists, your device might need service. Write down the error code, and then go to HP Instant Support to learn more about possible causes for the message. For more information, see HP Instant Support.

Critical error messages

Critical error messages inform you of a device failure. Some of these messages can be cleared by pressing the Power button to turn off the device, and then turning it on again. If a critical error persists, service is required. For more information, see Support and warranty.

Change device settings

You can change the device settings from these places:

- From the control panel.
- From the HP Solution Center (Windows) or HP Device Manager (Mac OS). For more information, see Use the HP photo and imaging software.

📝 **NOTE:** When you are configuring settings in HP Solution Center or in the HP Device Manager, you cannot see the settings that have been configured from the control panel (such as the scan settings).

To change settings from the control panel
1. At the control panel, press the menu button for the function you are using (for example, Copy Menu).
2. To reach the option that you want to change, use one of the following methods:
   - Press a control-panel button, and then use the left or right arrow keys to adjust the value.
   - Select the option from the menu on the control-panel display.
3. Select the value that you want, and then press **OK**.

To change settings from the HP Solution Center (Windows)
▲ See Use the HP photo and imaging software.

To change settings from the HP photo and imaging software (Mac OS)

1. Click the **HP Device Manager** icon in the Dock.
2. Select the device in the **Devices** drop-down menu.
3. On the **Information and Settings** menu, click an item that you want to change.

Use the HP Solution Center (Windows)

On a Windows computer, the HP Solution Center is the entry point for the HP Photosmart Software. Use the HP Solution Center to change print settings, order supplies, and access the onscreen Help.

The features available in the HP Solution Center vary depending on the devices you have installed. The HP Solution Center is customized to show icons that are associated with the selected device. If the selected device is not equipped with a particular feature, then the icon for that feature does not appear in the HP Solution Center.

If the HP Solution Center on your computer does not contain any icons, an error might have occurred during the software installation. To correct this, use the Control Panel in Windows to completely uninstall the HP Photosmart Software, and then reinstall the software. For more information, see the onscreen Help that came with the device.

For information about opening the HP Solution Center, see Use the HP photo and imaging software.

Use the HP photo and imaging software

You can use the HP photo and imaging software to access many features that are not available from the control panel.

The software is installed on your computer during setup. For further information, see the setup documentation that came with your device.

Access to the HP photo and imaging software differs by operating system (OS). For example, if you have a Windows computer, the HP photo and imaging software entry point is the HP Photosmart Software window. If you have a Macintosh computer, the HP photo and imaging software entry point is the HP Photosmart Studio window.

Regardless, the entry point serves as the launching pad for the HP photo and imaging software and services.

To open the HP Photosmart Software on a Windows computer
1. Do one of the following:
   - On the Windows desktop, double-click the HP Photosmart Software icon.
   - In the system tray at the far right of the Windows taskbar, double-click the **HP Digital Imaging Monitor** icon.
   - On the taskbar, click **Start**, point to **Programs** or **All Programs**, select **HP**, and then click **HP Photosmart Software**.
2. If you have more than one HP device installed, select the tab with your product's name.

   NOTE: On a Windows computer, the features available in the HP Photosmart Software vary depending on the devices you have installed. The software is customized to show icons that are associated with the selected device. If the selected device is not equipped with a particular feature, then the icon for that feature does not appear in the software.

   TIP: If the HP Photosmart Software on your computer does not contain any icons, an error might have occurred during the software installation. To correct this, use the Control Panel in Windows to completely uninstall the HP Photosmart Software; then reinstall the software. For more information, see the setup poster that came with your device.

To open the HP Photosmart Studio software on a Macintosh computer
1. Click the HP Photosmart Studio icon in the Dock.
   The HP Photosmart Studio window appears.
2. In the HP Photosmart Studio task bar, click **Devices**.
   The HP Device Manager window appears.
3. Select your device from the **Device** drop-down menu.
   From here, you can scan, import documents, and perform maintenance procedures such as checking the ink levels for the ink cartridges.

   NOTE: On a Macintosh computer, the features available in the HP Photosmart Studio software vary depending on the selected device.

   TIP: When the HP Photosmart Studio software is opened, you can gain access to the Dock menu shortcuts by selecting and holding the mouse button over the HP Photosmart Studio icon in the Dock.

Load originals

You can load an original for a copy or a scan job on the scanner glass.

Load an original on the scanner glass

You can copy or scan up to letter- or A4-size originals by loading them on the glass.

> **NOTE:** Many of the special features will not work correctly if the glass and lid backing are not clean. For more information, see Clean the device.

To load an original on the scanner glass

1. Lift the scanner lid.
2. Load your original print side down in the right front corner of the glass.

> **TIP:** For more help on loading an original, refer to the engraved guides along the edge of the glass.

3. Close the lid.

Select print media

The device is designed to work well with most types of office media. It is best to test a variety of print media types before buying large quantities. Use HP media for optimum print quality. Visit the HP Web site at www.hp.com for more information about HP media.

Tips for selecting and using print media

For the best results, observe the following guidelines.

- Always use media that conforms to the device specifications. For more information, see Understand specifications for supported media.
- Load only one type of media at a time into a tray.
- For Tray 1 and Tray 2, load media print-side down and aligned against the right and back edges of the tray. Tray 2 is available with some models. For more information, see Load media.
- Tray 2 is designed to hold only plain paper.
- Do not overload the trays. For more information, see Understand specifications for supported media.
- To prevent jams, poor print quality, and other printing problems, avoid the following media:
  - Multipart forms
  - Media that is damaged, curled, or wrinkled
  - Media with cutouts or perforations

- Media that is heavily textured, embossed, or does not accept ink well
- Media that is too lightweight or stretches easily

Cards and envelopes
- Avoid envelopes that have a very slick finish, self-stick adhesives, clasps, or windows. Also avoid cards and envelopes with thick, irregular, or curled edges, or areas that are wrinkled, torn, or otherwise damaged.
- Use tightly constructed envelopes, and make sure the folds are sharply creased.
- Load envelopes with the flaps facing up.

Photo media
- Use the **Best** mode to print photographs. Note that in this mode, printing takes longer and more memory is required from your computer.
- Remove each sheet as it prints and set it aside to dry. Allowing wet media to stack up may cause smearing.

Transparencies
- Insert transparencies with the rough side down and the adhesive strip pointing towards the back of the device.
- Use the **Normal** mode to print transparencies. This mode provides longer drying time and ensures that the ink dries completely before the next page is delivered to the output tray.
- Remove each sheet as it prints and set it aside to dry. Allowing wet media to stack up may cause smearing.

Custom-sized media
- Use only custom-sized media that is supported by the device.
- If your application supports custom-sized media, set the media size in the application before printing the document. If not, set the size in the print driver. You might need to reformat existing documents to print them correctly on custom-sized media.

Understand specifications for supported media

Use the Understand supported sizes and Understand supported media types and weights tables to determine the correct media to use with your device, and determine what features will work with your media.

- Understand supported sizes
- Understand supported media types and weights

Understand supported sizes

📝 **NOTE:** Tray 2 and the duplexer are available with some models.

Media size	Tray 1	Tray 2	Duplexer
Standard media sizes			
U.S. Letter (216 x 279 mm; 8.5 x 11 inches)	✔	✔	✔
8.5 x 13 inches (216 x 330 mm)	✔	✔	
U.S. Legal (216 x 356 mm; 8.5 x 14 inches)	✔	✔	
A4 (210 x 297 mm; 8.3 x 11.7 inches)	✔	✔	✔
U.S. Executive (184 x 267 mm; 7.25 x 10.5 inches)	✔	✔	✔
U.S. Statement (140 x 216 mm; 5.5 x 8.5 inches)	✔		
B5 (182 x 257 mm; 7.17 x 10.12 inches)	✔	✔	✔
A5 (148 x 210 mm; 5.8 x 8.3 inches)	✔		✔
6 x 8 inches	✔		✔
Borderless A4 (210 x 297 mm; 8.3 x 11.7 inches)	✔		
Borderless A5 (148 x 210 mm; 5.8 x 8.3 inches)	✔		
Borderless B5 (182 x 257 mm; 7.17 x 10.12 inches)	✔		
Envelopes			
U.S. #10 Envelope (105 x 241 mm; 4.12 x 9.5 inches)	✔		
Monarch Envelope (98 x 191 mm; 3.88 x 7.5 inches)	✔		
HP Greeting Card Envelope (111 x 152 mm; 4.38 x 6 inches)	✔		
A2 Envelope (111 x 146 mm; 4.37 x 5.75 inches)	✔		
DL Envelope (110 x 220 mm; 4.3 x 8.7 inches)	✔		
C5 Envelope (162 x 229 mm; 6.4 x 9 inches)	✔		
C6 Envelope (114 x 162 mm; 4.5 x 6.4 inches)	✔		
Japanese Envelope Chou #3 (120 x 235 mm; 4.7 x 9.3 inches)	✔		
Japanese Envelope Chou #4 (90 x 205 mm; 3.5 x 8.1 inches)	✔		

(continued)

Media size	Tray 1	Tray 2	Duplexer
Cards			
Index card (76.2 x 127 mm; 3 x 5 inches)	✔		
Index card (102 x 152 mm; 4 x 6 inches)	✔		✔
Index card (127 x 203 mm; 5 x 8 inches)	✔		✔
A6 card (105 x 148.5 mm; 4.13 x 5.83 inches)	✔		✔
Borderless A6 card (105 x 148.5 mm; 4.13 x 5.83 inches)	✔		
Hagaki** (100 x 148 mm; 3.9 x 5.8 inches)	✔		
Photo media			
Photo media (76.2 x 127 mm; 3 x 5 inches)	✔		
Photo media (102 x 152 mm; 4 x 6 inches)	✔		
Photo media (5 x 7 inches)	✔		
Photo media (8 x 10 inches)	✔		
Photo media (10 x 15 cm)	✔		
Photo L (89 x 127 mm; 3.5 x 5 inches)	✔		
Borderless photo media (102 x 152 mm; 4 x 6 inches)	✔		
Borderless photo media (5 x 7 inches)	✔		
Borderless photo media (8 x 10 inches)	✔		
Borderless photo media (8.5 x 11 inches)	✔		
Borderless photo media (10 x 15 cm)	✔		
Borderless Photo L (89 x 127 mm; 3.5 x 5 inches)	✔		
Other media			
Custom-sized media between 76.2 to 216 mm wide and 127 to 356 mm long (3 to 8.5 inches wide and 5 to 14 inches long)	✔		
Custom-sized media (ADF) between 127 to 216 mm wide and 241 to 305 mm long (5 to 8.5 inches wide and 9.5 to 12 inches long)			
Panorama (4 x 10 inches, 4 x 11 inches, and 4 x 12 inches)	✔		

(continued)

Media size	Tray 1	Tray 2	Duplexer
Borderless panorama (4 x 10 inches, 4 x 11 inches, and 4 x 12 inches)	✔		

** The device is compatible with plain and inkjet hagaki from Japan Post only. It is not compatible with photo hagaki from Japan Post.

Understand supported media types and weights

NOTE: Tray 2 and the duplexer are available with some models.

Tray	Type	Weight	Capacity
Tray 1	Paper	60 to 105 g/m² (16 to 28 lb bond)	Up to 250 sheets of plain paper (25 mm or 1 inch stacked)
	Transparencies		Up to 70 sheets (17 mm or 0.67 inch stacked)
	Photo media	280 g/m² (75 lb bond)	Up to 100 sheets (17 mm or 0.67 inch stacked)
	Labels		Up to 100 sheets (17 mm or 0.67 inch stacked)
	Envelopes	75 to 90 g/m² (20 to 24 lb bond envelope)	Up to 30 sheets (17 mm or 0.67 inch stacked)
	Cards	Up to 200 g/m² (110 lb index)	Up to 80 cards
Tray 2	Plain paper only	60 to 105 g/m² (16 to 28 lb bond)	Up to 350 sheets of plain paper (35 mm or 1.38 inch stacked)
Duplexer	Paper	60 to 105 g/m² (16 to 28 lb bond)	Not applicable
Output tray	All supported media		Up to 150 sheets of plain paper (text printing)

Set minimum margins

The document margins must match (or exceed) these margin settings in portrait orientation.
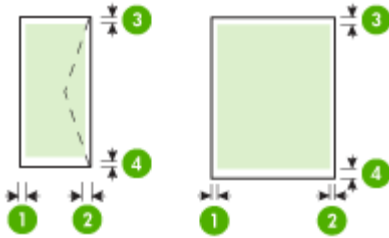
Media	(1) Left margin	(2) Right margin	(3) Top margin	(4) Bottom margin*
U.S. Letter U.S. Legal A4 U.S. Executive U.S. Statement 8.5 x 13 inch B5 A5 Cards Custom-sized media Photo media	3.3 mm (0.13 inch)	3.3 mm (0.13 inch)	3.3 mm (0.13 inch)	3.3 mm (0.13 inch)
Envelopes	3.3 mm (0.13 inch)	3.3 mm (0.13 inch)	16.5 mm (0.65 inch)	16.5 mm (0.65 inch)

* To achieve this margin setting on a computer running Windows, click the **Advanced** tab in the print driver, and select **Minimize Margins**.

Load media

This section provides instructions for loading media into the device.

NOTE: Tray 2 is optional with some models of the device.

To load Tray 1 (main tray)

1. Lift the output tray.
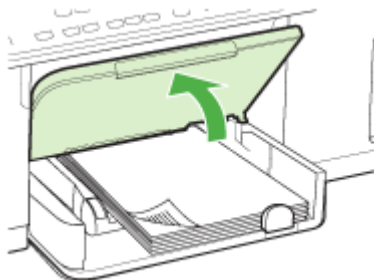
2. Insert the media print-side down along the right of the tray. Make sure the stack of media aligns with the right and back edges of the tray, and does not exceed the line marking in the tray.

   📝 **NOTE:** Do not load paper while the device is printing.

3. Slide the media guides in the tray to adjust them for the media size that you have loaded, and then lower the output tray.
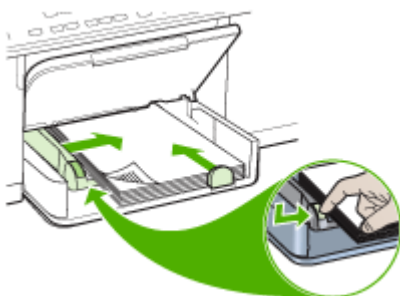
4. Pull out the extension on the output tray.
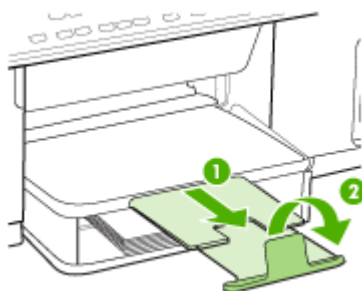
To load Tray 2

1. Pull the tray out of the device by grasping under the front of the tray.

2. Insert the paper print-side down along the right of the tray. Make sure the stack of paper aligns with the right and back edges of the tray, and does not exceed the line marking in the tray.

> NOTE: Tray 2 can be loaded only with plain paper.

3. Slide the media guides in the tray to adjust them for the size that you have loaded.
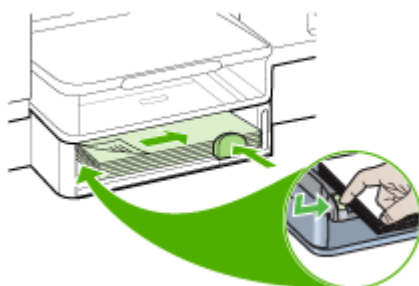
4. Gently reinsert the tray.
5. Pull out the extension on the output tray.
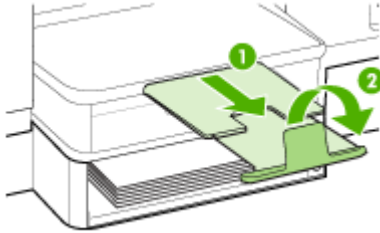
Configure trays

NOTE: Tray 2 is optional with some models. For ordering information, see Order printing supplies online.

By default, the device draws media from Tray 1. If Tray 1 is empty, the device draws media from Tray 2 (if it is installed and loaded with media). You can change this default behavior by using the following features:

• **Tray Lock:** Use this feature to protect special media such as letterhead or preprinted media from accidental use. If the device runs out of media while printing a document, it will not use media from a locked tray to complete the print job.
• **Default Tray:** Use this feature to determine the first tray from which the device draws media.

NOTE: To use the tray lock and default tray settings, you must select the automatic tray selection option in the device software. If the device is on a network and you set a default tray, the setting will affect all users of the device.

Tray 2 is designed to hold only plain paper.

The following table lists possible ways you can use the tray settings to meet your printing needs.

I want to...	Follow these steps
Load both trays with the same media, and have the device pick media from one tray if the other one is empty.	• Load media in Tray 1 and Tray 2. For more information, see Load media. • Make sure tray lock is disabled.
Have both special media (such as transparencies or letterhead) and plain paper loaded in the trays.	• Load special media in Tray 1 and plain paper in Tray 2. • Make sure tray lock is set to Tray 1.
Load media in both trays but have the device pick media from a specific tray first.	• Load media in Tray 1 and Tray 2. • Make sure default tray is set to the appropriate tray.

To configure the trays

1. Make sure the device is turned on.
2. Perform one of the following:
    - **Print driver (Windows):** Click the **Printer services** button on either the **Features** or **Color** tab, and then select **Paper Handling**.
    - **Toolbox (Windows):** Click the **Services** tab and click **Paper Handling**.
    - **HP Printer Utility (Mac OS):** Click **Paper Handling** from the **Printer Settings** panel.
    - **Control panel:** Press the **Setup** button, select **Preferences**, and then select **Default Tray** or **Tray Lock**.
3. Click **OK** or **Apply** after changing the desired tray settings.

Print on special and custom-sized media

To print on special or custom-sized media (Windows)

1. Load the appropriate media. For more information, see Load media.
2. With a document open, click **Print** on the **File** menu, and then click **Setup**, **Properties**, or **Preferences**.
3. Click the **Paper/Features** tab.
4. Select the media size from the **Size is** drop-down list.

    To set a custom media size:
    a. Click the **Custom** button.
    b. Type a name for the new custom size.
    c. In the **Width** and **Height** boxes, type the dimensions, and then click **Save**.
    d. Click **OK** twice to close the properties or preferences dialog box. Open the dialog box again.
    e. Select the new custom size.
5. To select the media type:
    a. Click **More** in the **Type is** drop-down list.
    b. Click the desired media type, and then click **OK**.
6. Select the media source from the **Source is** drop-down list.
7. Change any other settings, and then click **OK**.
8. Print your document.

To print on special or custom-sized media (Mac OS)

1. Load the appropriate media. For more information, see Load media.
2. On the **File** menu, click **Page Setup**.
3. Select the media size.
4. To set a custom media size:
    a. Click **Manage Custom Sizes** in the **Paper Size** pull-down menu.
    b. Click **New** and type a name for the size in the **Paper Size Name** box.

    c. In the **Width** and **Height** boxes, type the dimensions and set the margins, if desired.

    d. Click **Done** or **OK**, and then click **Save**.

5. On the **File** menu, click **Page Setup**, and then select the new custom size.
6. Click **OK**.
7. On the **File** menu, click **Print**.
8. Open the **Paper Handling** panel.
9. Under **Destination Paper Size**, click the **Scale to fit paper size** tab, and then select the customized paper size.
10. Change any other desired settings, and then click **OK** or **Print**.

Print borderless

Borderless printing lets you print to the edges of certain media types and a range of standard media sizes.

> **NOTE:** Open the file in a software application and assign the image size. Make sure the size corresponds to the media size on which you are printing the image.
>
> You can also gain access to this feature from the **Printing Shortcuts** tab. Open the printer driver, select the **Printing Shortcuts** tab, and select the printing shortcut for this print job drop-down list.

To print a borderless document (Windows)

1. Load the appropriate media. For more information, see Load media.
2. Open the file that you want to print.
3. From the application, open the print driver:

    a. Click **File**, and then click **Print**.

    b. Click **Properties** or **Setup**.

4. Click the **Paper/Quality** tab.
5. Select the media size from the **Size is** drop-down list.
6. Select the **Borderless Printing** check box.
7. Select the media source from the **Source is** drop-down list.
8. Select the media type from the **Type is** drop-down list.
9. If you are printing photos, select **Best** from the **Print Quality** drop-down list. Alternatively, select **Maximum dpi**, which provides up to 4800 x 1200 optimized dpi* for optimum print quality.
   *Up to 4800 x 1200 optimized dpi for color printing and 1200 input dpi. This setting might temporarily use a large amount of hard disk space (400 MB or more) and will print more slowly.
10. Change any other print settings, and then click **OK**.
11. Print the document.
12. If you printed on photo media with a tear-off tab, remove the tab to make the document completely borderless.

To print a borderless document (Mac OS)

1. Load the appropriate media. For more information, see Load media.
2. Open the file that you want to print.
3. Click **File**, and then click **Page Setup**.
4. Select the borderless media size, and then click **OK**.
5. Click **File**, and then click **Print**.
6. Open the **Paper Type/Quality** panel.
7. Click the **Paper tab**, and then select the media type from the **Paper type** drop-down list.
8. If you are printing photos, select **Best** from the **Quality** drop-down list. Alternatively, select **Maximum** dpi, which provides up to 4800 x 1200 optimized dpi*.
   *Up to 4800 x 1200 optimized dpi for color printing and 1200 input dpi. This setting might temporarily use a large amount of hard disk space (400 MB or more) and will print more slowly.
9. Select the media source. If you are printing on thick or photo media, select the manual feed option.
10. Change any other print settings, and then click **Print**.
11. If you printed on photo media with a tear-off tab, remove the tab to make the document completely borderless.

4 Print

This section contains the following topics:

- [Change print settings](#)
- [Print on both sides (duplexing)](#)
- [Cancel a print job](#)

Change print settings

You can change print settings (such as paper size or type) from an application or the printer driver. Changes made from an application take precedence over changes made from the printer driver. However, after the application is closed, the settings return to the defaults configured in the driver.

NOTE: To set print settings for all print jobs, make the changes in the printer driver.

For more information about the features of the Windows printer driver, see the online help for the driver. For more information about printing from a specific application, see the documentation that came with the application.

Change settings from an application for current jobs (Windows)

To change the settings
1. Open the document that you want to print.
2. On the **File** menu, click **Print**, and then click **Setup**, **Properties**, or **Preferences**. (Specific options may vary depending on the application that you are using.)
3. Change the settings that you want, and then click **OK**, **Print**, or a similar command.

Change default settings for all future jobs (Windows)

To change the settings
1. Click **Start**, point to **Settings**, and then click **Printers** or **Printers and Faxes**.
   - Or -
   Click **Start**, click **Control Panel**, and then double-click **Printers**.
2. Right-click the printer icon, and then click **Properties**, **Document Defaults**, or **Printing Preferences**.
3. Change the settings that you want, and then click **OK**.

Change settings (Mac OS)

To change the settings
1. On the **File** menu, click **Page Setup**.
2. Change the settings that you want (such as paper size), and then click **OK**.

3. On the **File** menu, click **Print** to open the print driver.
4. Change the settings that you want (such as media type), and then click **OK** or **Print**.

Print on both sides (duplexing)

You can print on both sides of a sheet of media either manually, or automatically using the optional duplexer.

📝 **NOTE:** Duplexing is available with some models of the device.

- Guidelines for printing on both sides of a page
- Perform duplexing

Guidelines for printing on both sides of a page

- Always use media that conforms to the device specifications. For more information, see Understand specifications for supported media.
- Specify two-sided printing options in your application or in the printer driver.
- Do not print on both sides of transparencies, envelopes, photo paper, glossy media, or paper lighter than 16 lb bond (60 g/m^2) or heavier than 28 lb bond (105 g/m^2). Jams might occur with these media types.
- Several kinds of media require a specific orientation when you print on both sides of a page, such as letterhead, preprinted paper, and paper with watermarks and prepunched holes. When you print from a computer running Windows, the device prints the first side of the media first. Load the media with the print side facing down.
- For auto-duplexing, when printing finishes on one side of the media, the device holds the media and pauses while the ink dries. Once the ink dries, the media is pulled back into the device and the second side is printed. When printing is complete, the media is dropped onto the output tray. Do not grab it before printing is complete.
- You can print on both sides of supported custom-sized media by turning the media over and feeding it into the device again. For more information, see Understand specifications for supported media.

Perform duplexing

To print manually on both sides of a page (Windows)

1. Load the appropriate media. For more information, see Guidelines for printing on both sides of a page and Load media.
2. With a document open, click **Print** on the **File** menu, and then click **Setup**, **Properties**, or **Preferences**.
3. Click the **Features** tab.
4. Select the **Two-sided printing** drop-down list.
5. To automatically resize each page to match the document's onscreen layout, ensure **Preserve Layout** is selected. Clearing this option might result in unwanted page breaks.
6. Select or clear the **Flip Pages Up** check box depending on which way you want the binding. See the graphics in the print driver for examples.

7. Choose a booklet layout from the **Booklet Layout** drop-down list, if you want.
8. Change any other settings, and then click **OK**.
9. Print your document.

To print manually on both sides of a page (Mac OS)
1. Load the appropriate media. For more information, see Guidelines for printing on both sides of a page and Load media.
2. With the document open, click **Print** on the **File** menu.
3. From the drop-down list, select **Paper Handling**, click **Print: Odd numbered pages**, and then press **Print**.
4. Flip the paper over, and then print the even-numbered pages.

To print automatically on both sides of a page (Windows)
1. Load the appropriate media. For more information, see Guidelines for printing on both sides of a page and Load media.
2. Make sure the duplexer is properly installed. For more information, see Install the duplexer.
3. With a document open, click **Print** on the **File** menu, and then click **Setup**, **Properties**, or **Preferences**.
4. Click the **Features** tab.
5. Select the **Two-sided printing** drop-down list. For auto-duplexing, ensure that **Automatic** is selected.
6. To automatically resize each page to match the document's onscreen layout, ensure **Preserve Layout** is selected. Clearing this option might result in unwanted page breaks.
7. Select or clear the **Flip Pages Up** check box depending on which way you want the binding. See the graphics in the print driver for examples.
8. Choose a booklet layout from the **Booklet Layout** drop-down list, if you want.
9. Change any other settings, and then click **OK**.
10. Print your document.

To print automatically on both sides of a page (Mac OS)
1. Load the appropriate media. For more information, see Guidelines for printing on both sides of a page and Load media.
2. Make sure the duplexer is properly installed. For more information, see Install the duplexer.
3. On the **File** menu, click **Print**.
4. Open the **Two-Sided Printing** panel.
5. Select the option to print on both sides.
6. Select the binding orientation by clicking the appropriate icon.
7. Change any other settings, and then click **Print**.

Cancel a print job

You can cancel a print job using one of the following methods.

Control panel: Press ✖ (**Cancel** button). This clears the job that the device is currently processing. It does not affect jobs waiting to be processed.

Windows: Double-click the printer icon that appears in the lower-right corner of the computer screen. Select the print job, and then press the **Delete** key on the keyboard.

Mac OS: Double-click the printer in the **Printer Setup Utility**. Select the print job, click **Hold**, and then click **Delete**.

5 Copy

You can produce high-quality color and grayscale copies on a variety of paper types and sizes.

This section contains the following topics:

> 📝 **NOTE:** Copying from the HP photo and imaging software is only available on the Mac OS.

Make copies from the control panel

You can make quality copies from the control panel.

To make a copy from the control panel

1. Make sure you have paper loaded in the input tray.
2. Place your original face down on the scanner glass. For more information, see [Load originals](#).
3. Do one of the following:
   - Press **START COPY Black** to start a black-and-white copy job.
   - Press **START COPY Color** to start a color copy job.

   > 📝 **NOTE:** If you have a color original, pressing **START COPY Black** produces a black-and-white copy of the color original, while pressing **START COPY Color** produces a full-color copy of the color original.

Change the copy settings

You can customize the copy settings to handle nearly any task.

When you change copy settings, the changes are for the current copy job only. You must set the changes as defaults for the settings to apply to all future copy jobs.

To save the current settings as defaults for future jobs
1. Make any necessary changes to the settings in the **Copy Menu**.
2. Press **Copy Menu**, and then press the arrow keys until **Set New Defaults** appears.
3. Press the arrow keys to select **Yes**, and then press **OK**.

Set the number of copies

You can set the number of copies that you want to print by using the **Number of Copies** option on the control panel.

To set the number of copies from the control panel
1. Make sure you have paper loaded in the input tray.
2. Place your original face down on the scanner glass.
3. In the Copy area, press **Copy Menu** repeatedly until **Number of Copies** appears.
4. Press ▶ or use the keypad to enter the number of copies, up to the maximum.

> ☆ **TIP:** If you hold down either of the arrow buttons, the number of copies changes by increments of 5 to make it easier to set a large number of copies.

5. Press **START COPY Black** or **START COPY Color**.

> 📝 **NOTE:** Copy functions can also be performed using the HP Photosmart Software (Windows) or HP Photosmart Studio Software (Mac OS). See the software's Help for more information.

Set the copy paper size

You can set the paper size on the device. The paper size you select should match what is loaded in your input tray.

To set the paper size from the control panel
1. In the Copy area, press **Copy Menu** repeatedly until **Copy Paper Size** appears.
2. Press ▶ until the appropriate paper size appears.
3. Press **START COPY Black** or **START COPY Color**.

> 📝 **NOTE:** Copy functions can also be performed using the HP Photosmart Software (Windows) or HP Photosmart Studio Software (Mac OS). See the software's Help for more information.

Set the copy paper type

You can set the paper type on the device.

To set the paper type for copies from the control panel

1. In the Copy area, press **Copy Menu** repeatedly until **Paper Type** appears.
2. Press ▶ until the appropriate paper type appears.
3. Press **START COPY Black** or **START COPY Color**.

Refer to the following table to determine which paper type setting to choose based on the paper loaded in the input tray.

Paper type	Control panel setting
Copier paper or letterhead	Plain Paper
HP Bright White Paper	Plain Paper
HP Premium Plus Photo Paper, Glossy	Premium Photo
HP Premium Plus Photo Paper, Matte	Premium Photo
HP Premium Plus 10 x 15 cm (4 x 6 inch) Photo Paper	Premium Photo
HP Premium or Premium Plus Inkjet Transparency Film	Transparency
Other transparency film	Transparency
Plain Hagaki	Plain Paper
Glossy Hagaki	Premium Photo
L (Japan only)	Premium Photo

NOTE: Copy functions can also be performed using the HP Photosmart Software (Windows) or HP Photosmart Studio Software (Mac OS). See the software's Help for more information.

Change copy speed or quality

The device provides three options that affect copy speed and quality:

- **Best** produces the highest quality for all paper and eliminates the banding (striping) effect that sometimes occurs in solid areas. **Best** copies slower than the other quality settings.
- **Normal** delivers high-quality output and is the recommended setting for most of your copying. **Normal** copies faster than **Best** and is the default setting.
- **Fast** copies faster than the **Normal** setting. The text is comparable to the quality of the **Normal** setting, but the graphics might be lower quality. The **Fast** setting uses less ink and extends the life of your print cartridges.

To change the copy quality from the control panel

1. Make sure you have paper loaded in the input tray.
2. Place your original face down on the glass.
3. In the Copy area, press **Quality** until the appropriate quality setting is lit.
4. Press **START COPY Black** or **START COPY Color**.

Resize an original to fit onto letter or A4 paper

If the image or text on your original fills the entire sheet with no margins, use **Fit to Page** or **Full Page 91%** to reduce your original and prevent unwanted cropping of the text or images at the edges of the sheet.

💡 **TIP:** You can also use **Fit to Page** to enlarge a small photo to fit within the printable area of a full-size page. In order to do this without changing the proportions of the original or cropping the edges, the device might leave an uneven amount of white space around the edges of the paper.

To resize a document from the control panel

1. Make sure you have paper loaded in the input tray.
2. Place your original face down on the scanner glass.
3. In the Copy area, press the **Reduce/Enlarge** button.
4. Press ▶ until **Full Page 91%** appears.
5. Press **START COPY Black** or **START COPY Color**.

📝 **NOTE:** Copy functions can also be performed using the HP Photosmart Software (Windows) or HP Photosmart Studio Software (Mac OS). See the software's Help for more information.

Copy a legal-size document onto letter paper

You can use the **Legal > Ltr 72%** setting to reduce a copy of a legal-size document to a size that fits onto letter paper.

📝 **NOTE:** The percentage in the example, **Legal > Ltr 72%**, might not match the percentage that appears in the display.
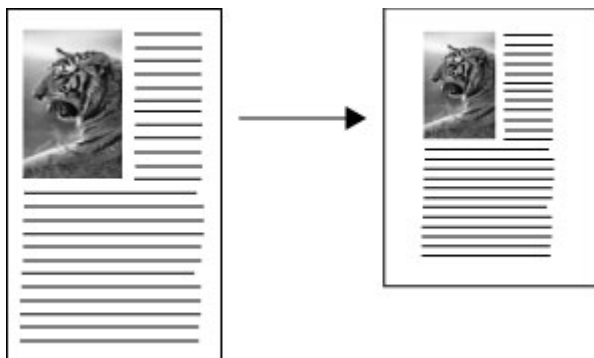
To copy a legal-size document onto letter paper
1. Make sure you have paper loaded in the input tray.
2. Place your original face down on the scanner glass.
3. In the Copy area, press the **Reduce / Enlarge** button.
4. Press ▶ until **Legal > Ltr 72%** appears.
5. Press **START COPY Black** or **START COPY Color**.

Adjust the lightness and darkness of your copy

You can use the **Lighter / Darker** option to adjust the contrast of the copies you make.

To adjust the copy contrast from the control panel
1. Make sure you have paper loaded in the input tray.
2. Place your original face down on the scanner glass.
3. In the Copy area, press **Copy Menu** repeatedly until **Lighter / Darker** appears.
4. Do one of the following:
   - Press ▶ to darken the copy.
   - Press ◀ to lighten the copy.
5. Press **START COPY Black** or **START COPY Color**.

📝 **NOTE:** Copy functions can also be performed using the HP Photosmart Software (Windows) or HP Photosmart Studio Software (Mac OS). See the software's Help for more information.

Enhance blurred areas of your copy

You can use the **Enhancements** feature to adjust the quality of text documents by sharpening edges of black text or adjust photographs by enhancing light colors that might otherwise appear white.

The **Mixed** enhancement is the default option. Use the **Mixed** enhancement to sharpen edges of most originals.

To copy a blurred document from the control panel

1. Make sure you have paper loaded in the input tray.
2. Place your original face down on the scanner glass.
3. In the Copy area, press **Copy Menu** repeatedly until **Enhancements** appears.
4. Press ▶ until the **Text** setting appears.
5. Press **START COPY Black** or **START COPY Color**.

If any of the following occur, turn off **Text** enhancement by selecting **Photo** or **None**:

- Stray dots of color surround some text on your copies
- Large, black typefaces look splotchy (not smooth)
- Thin, colored objects or lines contain black sections
- Horizontal grainy or white bands appear in light- to medium-gray areas

Enhance light areas of your copy

You can use **Photo** enhancements to enhance light colors that might otherwise appear white. You can also use **Photo** enhancements to eliminate or reduce any of the following that might occur when copying with **Text** enhancements:

- Stray dots of color surround some text on your copies
- Large, black typefaces look splotchy (not smooth)
- Thin, colored objects or lines contain black sections
- Horizontal grainy or white bands appear in light- to medium-gray areas

To copy an overexposed photo from the control panel

1. Make sure you have paper loaded in the input tray.
2. Place your original face down on the scanner glass.
3. In the Copy area, press **Copy Menu** repeatedly until **Enhancements** appears.
4. Press ▶ until the **Photo** enhancement setting appears.
5. Press **START COPY Color**.

Cancel a copy job

To stop copying, press **Cancel** on the control panel.

6 Scan

You can scan originals and send them to a variety of destinations, such as a folder on the network or a program on a computer. You can use the control panel, the HP photo and imaging software, and TWAIN-compliant or WIA-compliant programs on a computer.

This section contains the following topics:

Scan an original

You can start a scan from a computer or from the control panel. This section explains how to scan from the control panel only.

NOTE: You can also use the HP Photosmart Software to scan an image, including panorama images. Using this software, you can edit a scanned image and create special projects using a scanned image. For information about how to scan from the computer, and how to adjust, resize, rotate, crop, and sharpen your scans, see the onscreen HP Photosmart Software Help that came with your software.

To use the scan features, your device and computer must be connected and turned on. The printer software must also be installed and running on your computer prior to scanning. To verify that the printer software is running on a computer running Windows, look for the device icon in the system tray at the lower-right side of the screen, near the clock. To verify this on a computer using the Mac OS, open the HP Device Manager, and click **Scan Picture**. If a scanner is available, it will launch the HP ScanPro application. If it is not available, a message appears to let you know that a scanner was not found.

NOTE: Closing the HP Digital Imaging Monitor icon in your Windows system tray can cause your device to lose some of its scan functionality and result in the **No Connection** error message. If this happens, you can restore full functionality by restarting your computer or by starting the HP Photosmart Software.

Scan an original to a program on a computer (direct connection)

Use the following steps if your device is directly connected to a computer via a USB cable.

When the scan is complete, the program that you have selected opens and displays the document that you have scanned.

To send a scan to a program on a computer from the HP photo and imaging software

1. On the computer, open the HP photo and imaging software. For more information, see Use the HP photo and imaging software.
2. See the onscreen Help for further instructions.

To send a scan to a program on a computer from the control panel (direct connect)

1. Load the original on the scanner glass. For more information, see Load originals.
2. Press the **Scan Menu** or **Scan To** button.
3. Press the arrow keys to select the program that you want to use (such as the HP photo and imaging software), and then press **OK**.
4. Press **START SCAN**.

Scan from a TWAIN-compliant or a WIA-compliant program

The device is TWAIN-complaint and WIA-compliant and works with programs that support TWAIN-compliant and WIA-compliant scanning devices. While you are in a TWAIN-compliant or WIA-compliant program, you can gain access to the scanning feature and scan an image directly into the program.

TWAIN is supported in all Windows and Mac OS operating systems.

In Windows operating systems, WIA is supported only for Windows XP and Vista direct connections. WIA is not supported for the Mac OS.

Scan from a TWAIN-compliant program

Generally, a software program is TWAIN-compliant if it has a command such as **Acquire**, **File Acquire**, **Scan**, **Import New Object**, **Insert from**, or **Scanner**. If you are unsure whether the program is compliant or you do not know what the command is called, see the software program Help or documentation.

Start the scan from within the TWAIN-compliant program. See the software program Help or documentation for information about the commands and steps to use.

Scan from a WIA-compliant program

Generally, a software program is WIA-compliant if it has a command such as **Picture/ From Scanner or Camera** in the **Insert** or **File** menu. If you are unsure whether the program is compliant or you do not know what the command is called, see the software program Help or documentation.

Start the scan from within the WIA-compliant program. See the software program Help or documentation for information about the commands and steps to use.

Edit a scanned original

You can edit a scanned image using the HP Photosmart Software. You can also edit a scanned document by using your Optical Character Recognition (OCR) software.

Edit a scanned photo or graphic

You can edit a scanned photo or graphic using the HP Photosmart Software. Use this software to adjust the brightness, contrast, color saturation, and more. You can also rotate the image using the HP Photosmart Software.

For more information, see the onscreen HP Photosmart Software Help.

Edit a scanned document using optical character recognition (OCR) software

You can use OCR software to import scanned text into your preferred word-processing program for editing. This allows you to edit letters, newspaper clippings, and many other documents.

You can specify the word-processing program that you want to use for editing. If the word-processing icon is not present or active, either you do not have word-processing software installed on your computer, or the scanner software did not recognize the program during the installation. See the onscreen Help for the HP photo and imaging software for information about how to create a link to the word-processing program.

The OCR software does not support scanning colored text. Colored text is always converted to black-and-white text before being sent to OCR. Thus, all text in the final document is in black and white, regardless of the original color.

Because of the complexity of some word-processing programs and their interaction with the device, it is sometimes preferable to scan to Wordpad (a Windows accessory), and then cut and paste the text into the preferred word-processing program.

Change scan settings

To change scan settings
*   **HP Device Manager (Mac OS)**: Launch **HP Device Manager**, click **Information and Settings**, and then select **Scan Preferences** from the drop-down list.
*   **Windows**: Open the device software, select **Settings**, select **Scan Settings and Preferences**, then select from the available options and make your selections.

Cancel a scan job

To cancel a scan job, press **Cancel** on the control panel.

7 Configure and manage

This section is intended for the administrator or individual who is responsible for managing the device. This section contains information about the following topics.

- Manage the device
- Use device management tools
- Understand the self-test diagnostic page
- Configure the device (Windows)
- Configure the device (Mac OS)
- Uninstall and reinstall the software

Manage the device

The following, common tools can be used to manage the device. For information about accessing and using the tools, see Use device management tools.

NOTE: Specific procedures might include other methods.

Windows
- Device control panel
- Printer driver
- Toolbox
- myPrintMileage

NOTE: For more information about myPrintMileage, visit the myPrintMileage Web site.

The Toolbox is not available on computers running Windows 2000.

Mac OS
- Device control panel
- HP Printer Utility
- Monitor the device
- Administer the device

Monitor the device

This section provides instructions for monitoring the device.

Use this tool...	to obtain the following information....
Control panel	Obtain information about the status of jobs that are being processed, the operating status of the device, and the status of ink cartridges and printheads.
Toolbox (Windows)	**Ink cartridge information:** Click the **Estimated Ink Levels** tab to view the ink-level information, and then scroll to display the **Cartridge Details** button. Click the **Cartridge Details** button to view information about replacement ink cartridges and expiration dates.*
HP Printer Utility (Mac OS)	**Ink cartridge information:** Open the **Information and Support** panel and click **Supplies Status**. *

* The ink levels shown are an estimate only. Actual ink volumes may vary.

Administer the device

This section provides information about administering the device and modifying settings.

Use this tool...	to do the following...
Control panel	• **Language and country/region:** Press **Setup**, and then open the **Preferences** menu. • **Set the date and time:** Press **Setup**, press **Tools**, and then press **Date and Time**. • **Set the scanner bulb time:** Press **Setup**, select **Preferences**, and then select **Set Bulb Time**.
Toolbox (Windows)	• **Change tray settings:** Click **Paper Handling** on the **Services** tab. • **Perform device maintenance tasks:** Click the **Services** tab.
HP Printer Utility (Mac OS)	• **Change tray settings:** Click **Paper Handling** from the **Printer Settings** panel. • **Perform device maintenance tasks:** Open the **Information and Support** panel, and then click the option for the task that you want to perform.

Use device management tools

- Toolbox (Windows)
- HP Printer Utility (Mac OS)

- [HP Instant Support](#)
- [myPrintMileage](#)

Toolbox (Windows)

The Toolbox provides maintenance information about the device.

📝 **NOTE:** The Toolbox can be installed from the Starter CD by selecting the full installation option if the computer meets the system requirements.

Open the Toolbox

- From the HP Solution Center, click the **Settings** menu, point to **Print Settings**, and then click **Printer Toolbox**.
- Right-click the HP Digital Imaging Monitor in the taskbar, point to **Printer Model Name** and then click **Display Printer Toolbox**.

Toolbox tabs

The Toolbox contains the following tabs.

Tabs	Contents
Estimated Ink Level	• **Ink Level Information:** Shows estimated ink level for each cartridge. **NOTE:** The ink levels shown are an estimate only. Actual ink volumes may vary. • **Shop Online:** Provides access to a Web site from which you can order printing supplies for the device online. • **Order by Phone:** Shows telephone numbers that you can call to order supplies for the device. Telephone numbers are not available for all countries/regions. • **Cartridge Details:** Shows order numbers and expiration dates of the installed ink cartridges.
Information	**Printer Information:** Provides a link to myPrintMileage and shows the device hardware and printhead health information. Information tab options include: • Hardware information • myPrintmileage (if installed) • HP Instant Support • HP printhead health

(continued)

Tabs	Contents
Services	• **Print PQ (print quality) Diagnostic Page:** Allows you to diagnose issues affecting the print quality of the device. For more information, see Print the print quality diagnostic page. • **Print Self-Test Diagnostic Page:** Allows you to print the self-test diagnostic page of the device. This page contains information about the device and the supplies. For more information, see Understand the self-test diagnostic page. • **Align Printheads:** Guides you through aligning the printheads. For more information, see Align the printheads. • **Clean Printheads:** Guides you through cleaning the printheads. For more information, see Clean the printheads. • **Calibrate Linefeed:** Allows you to perform linefeed calibration. For more information, see Calibrate the linefeed.

HP Printer Utility (Mac OS)

The HP Printer Utility contains tools to configure print settings, calibrate the device, clean the printheads, print the self-test diagnostic page, order supplies online, and find Web site support information.

Open the HP Printer Utility

To open the HP Printer Utility from the Desktop
1. From the **Finder**, select **Computer** from the **Go** menu.
2. Select **Library**, and then select **Printers**.
3. Select **HP**, select **Utilities**, and then select **HP Printer Selector**.
4. Select the device and click **Launch Utility**.

To open the HP Printer Utility from the Printer Setup Utility
1. From the **Finder**, select **Computer** from the **Go** menu.
2. Select the device from the list, and then press **Utility**.
3. Select the device from the menu, and then press **Launch Utility**.

HP Printer Utility panels

Information and Support panel
• **Supplies Status:** Shows the information about currently installed printheads and ink cartridges.
• **Supply Info:** Shows the ink cartridge replacement options.

- **Device Information:** Displays information about the model and serial number. Also allows you to print the self-test diagnostic page of the device. This page contains information about the device and the supplies. For more information, see Understand the self-test diagnostic page.
- **Print Quality Diagnostics:** Allows you to diagnose issues affecting the print quality of the device. For more information, see Print the print quality diagnostic page.
- **Clean:** Guides you through cleaning the printheads. For more information, see Clean the printheads.
- **Align:** Guides you through aligning the printheads. For more information, see Align the printheads.
- **Calibrate Linefeed:** Allows you to perform linefeed calibration. For more information, see Calibrate the linefeed.
- **HP Support:** Gain access to the HP Web site where you can find support for the device, register the device, and find information about returning and recycling used printing supplies.

Printer Settings panel
Trays Configuration: Set the default media type and size for the input tray.

HP Instant Support

HP Instant Support is a suite of Web-based troubleshooting tools. It helps you quickly identify, diagnose, and resolve printing problems.

HP Instant Support provides the following information about your device:

- **Easy access to troubleshooting tips:** Provides tips that are customized for your device.
- **Resolution of specific device errors:** Provides immediate access to information that can help you resolve error messages specific to your device.
- **Notification of print driver updates:** Alerts you when there is an update for the printer driver. A message appears on the HP Instant Support homepage; click the link within the message to go directly to the download section of the HP Web site.
- **Managing ink and media usage (myPrintMileage):** Helps you manage and forecast device supplies usage.

Security and privacy

When you use HP Instant Support, detailed device information, such as the serial number, error conditions, and status, is sent to HP. HP respects your privacy and manages this information according to the guidelines that are outlined in the HP Online Privacy Statement (welcome.hp.com/country/us/en/privacy.html).

NOTE: To view all the data that is sent to HP, select **Source** (for Internet Explorer and Opera) or **Page Source** (for Netscape and Mozilla Firefox) from the **View** menu in your Web browser.

To gain access to HP Instant Support
Toolbox (Windows): Click the **Information** tab, and then click **HP Instant Support**.

> 📝 **NOTE:** Do not bookmark the Web pages that are used to open HP Instant Support. If you bookmark the site and connect to it by using the bookmark, the pages do not contain the current information.

myPrintMileage

myPrintMileage is a service that HP provides to help you track and forecast your device usage and plan the purchase of supplies.

To use myPrintMileage, you must have the following:

- Internet connection
- Device connected

On the myPrintMileage Web site, you can see the print analysis, such as the amount of ink you have used, whether you use more black or color ink, and the estimated number of pages you can print with the remaining amount of ink

To gain access to myPrintMileage

- **Toolbox (Windows):** Click the **Information** tab, and then click **myPrintMileage** and follow the onscreen instructions.
- **Windows taskbar:** Right-click the **HP Digital Imaging** icon in the Windows taskbar, choose the device you wish to view, and then click **myPrintMileage**.

> 📝 **NOTE:** Do not bookmark the Web pages that are used to open myPrintMileage. If you bookmark the site and connect to it by using the bookmark, the pages do not contain the current information.

Understand the self-test diagnostic page

Use the self-test diagnostic page to:

- View current device information, ink cartridge status, and printhead health status
- Help troubleshoot problems

The self-test diagnostic page also contains a log of recent events.

If you need to call HP, it is often useful to print the self-test diagnostic page before calling.
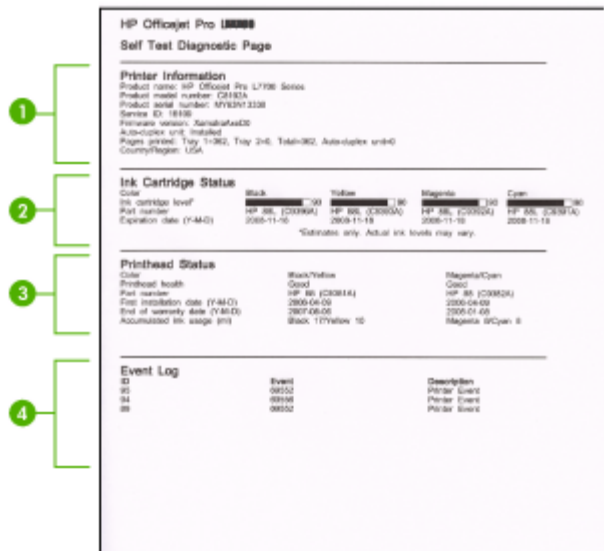
1. **Printer Information:** Shows device information (such as the product name, model number, serial number, and firmware version number), and the number of pages printed from the tray.
2. **Ink Cartridge Status:** Shows the estimated ink levels (represented in graphical form as gauges) and the part numbers and expiration dates of the ink cartridges.

    📝 **NOTE:**   The ink levels shown are an estimate only. Actual ink volumes may vary.

3. **Printhead Status:** Shows the status of the printhead health and the part numbers, first-installation dates, and end-of-warranty dates of the printheads, as well as the accumulated ink usage. The status options for the printhead are: good, fair, and replace. If the status is 'fair,' then the print quality must be monitored, but the printhead does not need to replaced. If the status is 'replace,' then the printhead should be replaced, as the device will not function until it is.
4. **Event Log:** Shows a log of recent events that have occurred.

To print the Self-Test Diagnostic Page
- **Control panel:** Press **Setup**, select **Print Report**, select **Self-Test Report**, and then press **OK**.
- **Toolbox (Windows):** Click the **Services** tab, and then click **Print Self-Test Diagnostic Page**.
- **HP Printer Utility (Mac OS):** Click **Device Information** from the **Information and Support** panel, and then click **Print Configuration Page**.

Configure the device (Windows)

📝 **NOTE:**   Microsoft Internet Explorer 6.0 or higher must be installed on the computer system to run the installation program.

In addition, you must have administrator privileges to install a printer driver on Windows 2000 or Windows XP.

When setting up the device, HP recommends that you connect it after you install the software because the installation program is designed to provide you with the easiest setup experience. However, if you have connected the cable first, see Connect the device before installing the software.

Direct connection

You can connect the device directly to your computer using a USB cable.

📝 **NOTE:**   If you install the device software and connect the device to a computer running Windows, you can connect additional devices to the same computer with USB cables without reinstalling the device software.

When setting up the device, HP recommends that you connect the device after you install the software because the installation program is designed to provide you with the easiest setup experience. However, if you have connected the cable first, see Connect the device before installing the software.

Install the software before connecting the device (recommended)

To install the software
1. Close any applications that are running.
2. Insert the Starter CD into the CD drive. The CD menu runs automatically. If the CD menu does not start automatically, double-click the setup icon on the Starter CD.
3. On the CD menu, click **Install** and follow the onscreen instructions.
4. When prompted, turn on the device and connect it to the computer using a USB cable. The **Found New Hardware** wizard appears on the computer screen, and the device icon is created in the Printers folder.

NOTE: You may connect the USB cable at a later time when you need to use the device.

You can also share the device with other computers using a simple form of networking known as locally shared networking. For more information, see Share the device on a locally shared network.

Connect the device before installing the software

If you connected the device to the computer before installing the device software, the **Found New Hardware** wizard displays on the computer screen.

NOTE: If you turned on the device, do not turn it off or unplug the cable from the device while the installation program is running. If you do so, the installation program will not finish.

To connect the device

1. In the **Found New Hardware** dialog box that displays methods for locating the printer driver, select the Advanced option, and then click **Next**.

   NOTE: Do not allow the **Found New Hardware** wizard to perform an automatic search for the printer driver.

2. Select the check box for specifying the driver location, and ensure that the other check boxes are clear.
3. Insert the Starter CD into the CD drive. If the CD menu appears, close it.
4. Browse to locate the root directory on the Starter CD (for example, D), and then click **OK**.
5. Click **Next** and follow the onscreen instructions.
6. Click **Finish** to close the **Found New Hardware** wizard. The wizard automatically starts the installation program (this might take a short while).
7. Complete the installation process.

NOTE: You can also share the device with other computers using a simple form of networking known as locally shared networking. For more information, see Share the device on a locally shared network.

Share the device on a locally shared network

In a locally shared network, the device is connected directly to the USB connector of a selected computer (known as the server) and is shared by other computers (clients).

NOTE: When sharing a directly connected device, use the computer with the newest operating system as the server. For example, if you have a computer running Windows XP and another computer running an older version of Windows, use the computer running Windows XP as the server.

Use this configuration only in small groups or when usage is low. The connected computer is slowed down when many users print to the device.

Only the printing function is shared. Scan and Copy functions are not shared.

To share the device

1. Click **Start**, point to **Settings**, and then click **Printers** or **Printers and Faxes**.
   - Or -
   Click **Start**, click **Control Panel**, and then double-click **Printers**.
2. Right-click the device icon, click **Properties**, and then click the **Sharing** tab.
3. Click the option to share the device, and give it a share name.
4. To share the device with client computers that use other versions of Windows, click **Additional Drivers** to install those drivers as a convenience to the users. You must have the Starter CD in your CD drive.

Configure the device (Mac OS)

You can use the device with a single Macintosh computer using a USB cable, or you can share it among other users on a network.

This section contains the following topics:

- Install the software for a direct connection
- Share the device on a locally shared network

Install the software for a direct connection

To install the software

1. Connect the device to your computer with a USB cable.
2. Insert the Starter CD into the CD drive. Double-click the CD icon on the desktop, and then double-click the setup icon. Also, you can locate the Installer folder on the Starter CD.
3. Click **Install Software** and follow the onscreen instructions.
4. If necessary, share the device with other Macintosh computer users.

   Direct connection: Share the device with the other Macintosh computer users. For more information, see Share the device on a locally shared network.

Share the device on a locally shared network

When you connect the device directly, you can share it with other computers using a simple form of networking known as locally shared networking. Use this configuration only in small groups or when usage is low. The connected computer is slowed down when many users print to the device.

Basic requirements for sharing in the Mac OS environment include the following items:

- The Macintosh computers must be communicating on the network using TCP/IP, and they must have IP addresses. (AppleTalk is not supported.)
- The device that is being shared must be connected to a built-in USB port on the host Macintosh computer.
- Both the host Macintosh computer and the client Macintosh computers that are using the shared device must have device sharing software installed, and the driver or PPD for the device that is installed. (You can run the installation program to install the device sharing software and associated Help files.)

For more information about USB device sharing, see the support information on the Apple Web site (www.apple.com) or the Apple Macintosh Help on the computer.

To share the device among computers running Mac OS

1. Turn on printer sharing on all Macintosh computers (host and clients) that are connected to the printer. Depending on the OS version you are using, do one of the following:
   - **Mac OS 10.3**: Open **System Preferences**, click **Print & Fax**, and then check the box next to **Share my printers with other computers**.
   - **Mac OS 10.4**: Open **System Preferences**, click **Print & Fax**, click the **Sharing** tab, check the box next to **Share these printers with other computers**, and then select the printer to be shared.
2. To print from the other Macintosh computers (the clients) on the network, do the following:
   a. Click **File**, and then select **Page Setup** in the document you want to print.
   b. In the drop-down menu next to **Format for**, select **Shared Printers**, and then select your device.
   c. Select the **Paper Size**, and then click **OK**.
   d. In the document, click **File**, and then select **Print**.
   e. From the drop-down menu next to **Printer**, select **Shared Printers**, and then select your device.
   f. Make additional settings, if necessary, and then click **Print**.

Uninstall and reinstall the software

If your installation is incomplete, or if you connected the USB cable to the computer before prompted by the software installation screen, you might need to uninstall and then reinstall the software. Do not simply delete the device application files from your computer. Make sure to remove them properly using the uninstall utility provided when you installed the software that came with the device.

There are three methods to uninstall the software on a Windows computer, and one method to uninstall on a Macintosh computer.

To uninstall from a Windows computer, method 1

1. Disconnect the device from your computer. Do not connect it to your computer until after you have reinstalled the software.
2. Press the **Power** button to turn off the device.
3. On the Windows taskbar, click **Start**, select **Programs** or **All Programs**, select **HP**, select **Officejet Pro L7400 Series**, and then click **Uninstall**.
4. Follow the onscreen instructions.
5. If you are asked whether you would like to remove shared files, click **No**.
   Other programs that use these files might not work properly if the files are deleted.
6. Restart your computer.
7. To reinstall the software, insert the device Starter CD into your computer's CD-ROM drive, follow the onscreen instructions, and also see Install the software before connecting the device (recommended).

8. After the software is installed, connect the device to your computer.
9. Press the **Power** button to turn the device on.
   After connecting and turning on the device, you might have to wait several minutes for all of the Plug and Play events to complete.
10. Follow the onscreen instructions.

When the software installation is complete, the **HP Digital Imaging Monitor** icon appears in the Windows system tray.

To uninstall from a Windows computer, method 2

NOTE: Use this method if **Uninstall** is not available in the Windows Start menu.

1. On the Windows taskbar, click **Start**, select **Settings**, select **Control Panel**, and then click **Add/Remove Programs**.
   - Or -
   Click **Start**, click **Control Panel**, and then double-click **Programs and Features**.
2. Select **HP Officejet Pro All-in-One Series**, and then click **Change/Remove** or **Uninstall/Change**.
   Follow the onscreen instructions.
3. Disconnect the device from your computer.
4. Restart your computer.

   NOTE: It is important that you disconnect the device before restarting your computer. Do not connect the device to your computer until after you have reinstalled the software.

5. Insert the device Starter CD into your computer's CD-ROM drive and then start the Setup program.
6. Follow the onscreen instructions and also see Install the software before connecting the device (recommended).

To uninstall from a Windows computer, method 3

NOTE: Use this method if **Uninstall** is not available in the Windows Start menu.

1. Insert the device Starter CD into your computer's CD-ROM drive, and then start the Setup program.
2. Disconnect the device from your computer.
3. Select **Uninstall** and follow the onscreen directions.
4. Restart your computer.

   NOTE: It is important that you disconnect the device before restarting your computer. Do not connect the device to your computer until after you have reinstalled the software.

5. Start the Setup program for the device again.
6. Select **Install**.
7. Follow the onscreen instructions and also see Install the software before connecting the device (recommended).

To uninstall from a Macintosh computer
1. Launch **HP Device Manager**.
2. Click **Information and Settings**.
3. Select **Uninstall HP AiO Software** from the pull-down menu.
   Follow the onscreen instructions.
4. After the software is uninstalled, restart your computer.
5. To reinstall the software, insert the device Starter CD into your computer's CD-ROM drive.
6. On the desktop, open the CD-ROM, and then double-click **HP All-in-One Installer**.
7. Follow the onscreen instructions and also see Install the software for a direct connection.

8 Maintain and troubleshoot

This section contains the following topics:

Supported ink cartridges

The availability of ink cartridges varies by country/region. The ink cartridges might come in different sizes. To obtain a list of supported ink cartridges for your device, print the self-test diagnostic page and read the information in the ink cartridge status section. (For more information, see Understand the self-test diagnostic page .)

You can find the ink cartridge number in the following places:

- On the self-test diagnostic page (see Understand the self-test diagnostic page).
- On the label of the ink cartridge you are replacing.
- **Windows**: From the **Toolbox**, if you have bidirectional communication, click the **Estimated Ink Levels** tab, scroll to display the **Cartridge Details** button, and then click **Cartridge Details**.
- **Mac OS**: From the **HP Printer Utility,** click **Supply Info** from the **Information and Support** panel, and then click **Retail Supplies Information**.

NOTE: Ink from the cartridges is used in the printing process in a number of different ways, including in the initialization process, which prepares the device and cartridges for printing, and in printhead servicing, which keeps print nozzles clear and ink flowing smoothly. In addition, some residual ink is left in the cartridge after it is used. For more information see www.hp.com/go/inkusage.

Replace the ink cartridges

You can check the estimated ink levels from the Toolbox (Windows) or the HP Printer Utility (Mac OS). For information about using these tools, see Use device management tools. You can also print the self-test diagnostic page to view this information (see Understand the self-test diagnostic page).

NOTE: The ink levels shown are an estimate only. Actual ink volumes may vary.

After removing a cartridge from its package, install it right away. Do not remove a cartridge from the device for long periods of time.

To find out which ink cartridges work with your device, see <u>Supplies</u>.

To replace the ink cartridges

1. Gently pull open the ink cartridge cover.

2. Remove the ink cartridge that requires replacement by grasping it between your thumb and forefinger and pulling it firmly toward you.
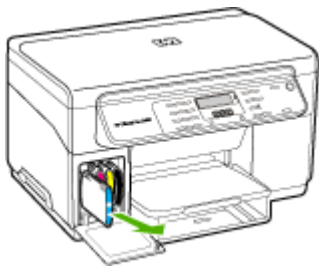
3. Remove the new ink cartridge from its package.
4. Align the cartridge with its color-coded slot and insert the cartridge into the slot. Press down firmly on the cartridge to ensure proper contact.
5. Close the ink cartridge cover.

Maintain the printheads

If printed characters are incomplete, or dots or lines are missing from printouts, ink nozzles might be clogged and you might need to clean the printheads.

When the quality of printouts deteriorates, complete the relevant steps based on the following sequence:

1. Check the health of the printheads. For more information, see Check printhead health.
2. Print the print quality diagnostic page on a clean sheet of white paper. Evaluate any problem areas, and perform the recommended actions. For more information, see Print the print quality diagnostic page.
3. Manually clean the printhead contacts. For more information, see Clean the printheads.
4. Replace the printheads if the problems persist after cleaning. For more information, see Replace the printheads.

⚠ **CAUTION:** HP is not responsible for damage to the device that results from modifying the printheads.

Check printhead health

Use one of the following means to check the printhead health. If the status of any printhead is not good or fair, then perform one or more of the maintenance functions, or clean or replace the printhead.

*   **Self-Test Diagnostic page:** Print the self-test diagnostic page on a clean sheet of white paper, and check the printhead health section. For more information, see Understand the self-test diagnostic page.
*   **Toolbox (Windows):** Open the Toolbox. For more information, see Open the Toolbox. Click the **Information** tab, and then click **Printhead Health**.
*   **HP Printer Utility (Mac OS):** Open the HP Printer Utility. For more information, see Open the HP Printer Utility. Select **Supply Status** tab, and then click **Printhead**.

Print the print quality diagnostic page

Use the print quality diagnostic page to diagnose issues affecting the print quality. This will help you decide whether to run any maintenance tools to improve the print quality of your printouts. You can also view the ink level information, and the printhead health status on the page.

*   **Control panel:** Press the **Setup** button, select **Print Report**, select **Print Quality Page**, and then press **OK**.
*   **Toolbox (Windows):** Click the **Services** tab, and then click **Print PQ (print quality) diagnostic page** and follow the onscreen instructions.
*   **HP Printer Utility (Mac OS):** Click **Print Quality Diagnostics** from the **Information and Support** panel.
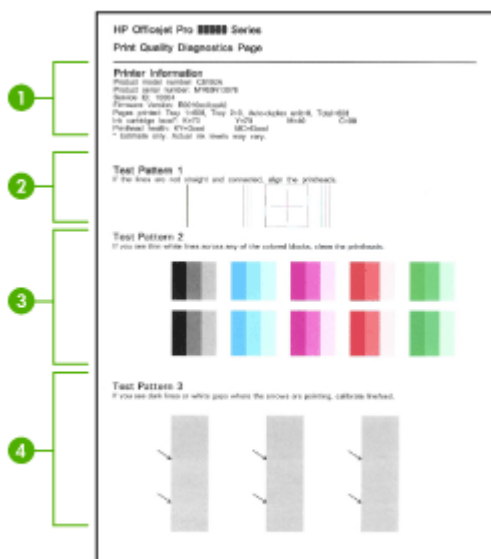
1	**Printer Information:** Shows device information (such as the product model number, serial number, and firmware version number), the number of pages printed from the tray, the ink level information, and the printhead health status.
2	**Test Pattern 1:** If the lines are not straight and connected, align the printheads. For more information, see Align the printheads.
3	**Test Pattern 2:** If there are thin white lines across any of the colored blocks, clean the printheads. For more information, see Clean the printheads.
4	**Test Pattern 3:** If there are dark lines or white gaps where the arrows are pointing, calibrate the linefeed. For more information, see Calibrate the linefeed.

Align the printheads

Whenever you replace a printhead, the device automatically aligns the printheads to ensure the best print quality. However, if the appearance of your printed pages indicates that the printheads are misaligned, you can start the alignment process manually.

- **Control panel:** Press the **Setup** button, select **Tools**, select **Align Printer**, and then press **OK**. Press **OK** when the alignment is done to continue.
- **Toolbox (Windows):** Click the **Services** tab, and then click **Align Printheads** and follow the onscreen instructions.
- **HP Printer Utility (Mac OS):** Click **Align** from the **Information and Support** panel.

Calibrate the linefeed

- **Control panel:** Press the **Setup** button, select **Tools**, select **Calibrate Linefeed**, and then press **OK**.
- **Toolbox (Windows):** Click the **Services** tab, and then click **Calibrate Linefeed** and follow the onscreen instructions.
- **HP Printer Utility (Mac OS):** Click **Calibrate Linefeed** from the **Information and Support** panel.

Clean the printheads

> **NOTE:** Cleaning uses ink, so clean the printheads only when necessary.
>
> The cleaning process takes up to 3.5 minutes. Some noise might be generated in the process.

- **Control panel:** Press the **Setup** button, select **Tools**, and then select **Clean Printhead**.
- **Toolbox (Windows):** Click the **Services** tab, and then click **Clean Printheads** and follow the onscreen instructions.
- **HP Printer Utility (Mac OS):** Click **Clean** from the **Information and Support** panel.

Clean the printhead contacts manually

After the printheads are installed, you might get a control panel message telling you the device will not print. If you receive this message, you might need to clean the electrical contacts on the printheads and in the device.

> △ **CAUTION:** Clean the electrical contacts only after you have attempted to clean the printheads. Electrical contacts contain sensitive electronic components that can be damaged easily. For more information, see Clean the printheads.

To clean the printhead contacts manually

1. Open the top cover.
2. If the carriage does not move to the left automatically, press and hold the **OK** button for five seconds. Wait for the carriage to stop moving, and then unplug the power cord from the printer.
3. Lift the printhead latch.

4. Lift the handle of the printhead (which corresponds to the control panel message) and use it to pull the printhead out of its slot.
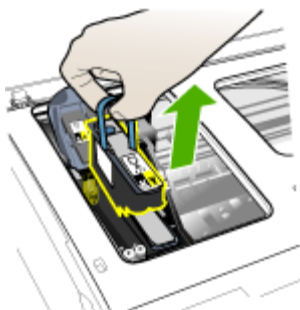
5. Obtain clean, dry, soft and lint-free cleaning material. Suitable materials include paper coffee filters and eyeglass lens cleaning paper.

△ **CAUTION:** Do not use water.

6. Wipe the electrical contacts on the printhead but do not touch the nozzles.

📝 **NOTE:** The electrical contacts are small copper-color squares, grouped on one face of the printhead.

The nozzles are on a different face of the printhead. Ink will be visible on the nozzles.
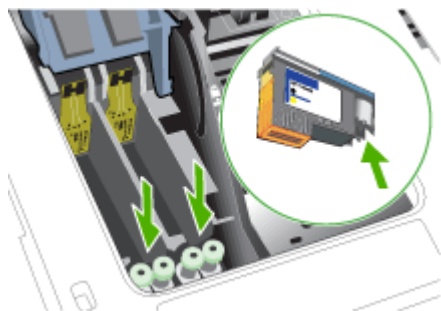
⚠ **CAUTION:** Touching the nozzles can cause permanent nozzle damage. Also, ink can permanently mark clothing.

7. After cleaning, place the printhead on a sheet of paper or paper towel. Make sure the nozzles are facing up and are not in contact with the paper.
8. Clean the electrical contacts in the printhead slot inside the device with a clean, dry, soft and lint-free cloth.
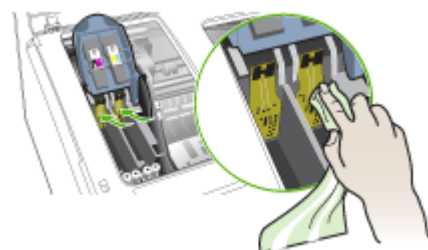
9. Plug in the power cord and turn on the device. The control panel should indicate that the printhead is missing.
10. Insert the printhead into its color-coded slot (the label on the printhead must match the label on the printhead latch). Press down firmly on the printhead to ensure proper contact.
11. Pull the printhead latch all the way forward, and then press down to ensure that the latch is properly engaged. You might have to apply some pressure to engage the latch.
12. Where necessary, repeat the above steps for the remaining printhead.
13. Close the top cover.
14. If the control panel message remains, repeat the cleaning procedure described above for the printhead which corresponds to the message.
15. If the control panel message remains, replace the printhead which corresponds to the message.
16. Wait while the device initializes the printheads and prints the alignment pages. If the device does not print the pages, start the alignment process manually. For more information, see Align the printheads.

Replace the printheads

To replace the printheads

1. Open the top cover.
2. If the carriage does not move to the left automatically, press and hold the **OK** button for 5 seconds. Wait for the carriage to stop moving.
3. Lift the printhead latch.

4. Lift the handle of a printhead and use it to pull the printhead out of its slot.
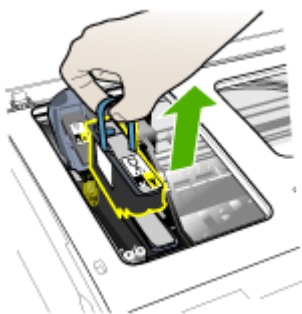
5. Before installing a printhead, shake the printhead up and down at least six times while the printhead is still in its packaging.

6. Remove the new printhead from its package, and then remove its orange protective caps.
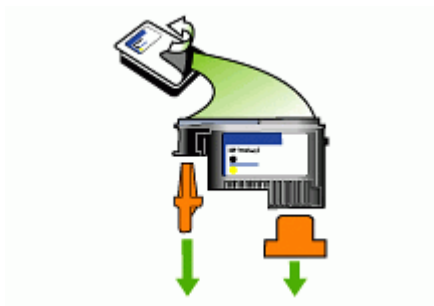
△ **CAUTION:** Do not shake printheads after the caps are removed.

7. Insert the printhead into its color-coded slot (the label on the printhead must match the label on the printhead latch). Press down firmly on the printhead to ensure proper contact.
8. Pull the printhead latch all the way forward, and then press down to ensure that the latch is properly engaged. You might have to apply some pressure to engage the latch.
9. Close the top cover.
10. Wait while the device initializes the printheads and prints the alignment pages. If the device does not print the pages, start the alignment process manually. For more information, see Align the printheads.

Store printing supplies

This section covers the following topics:

- Store ink cartridges
- Store printheads

Store ink cartridges

Ink cartridges can be left in the device for extended periods of time. If you remove the ink cartridges, place them in an airtight container, such as a resealable plastic bag.

Store printheads

Printheads can be left in the device for extended periods of time. If you remove the printheads, place them in an airtight container, such as a resealable plastic bag.

Clean the device

This section provides instructions for keeping the device in top working condition. Perform these maintenance procedures as necessary.

Dust or dirt on the scanner glass, scanner lid backing, or scanner frame can slow down performance, degrade the quality of scans, and affect the accuracy of special features such as fitting copies to a certain page size.

Clean the scanner glass

To clean the scanner glass

1. Turn off the device.
2. Lift the scanner lid.
3. Clean the glass by using a soft, lint-free cloth that has been sprayed with a mild glass cleaner. Dry the glass with a dry, soft, lint-free cloth.
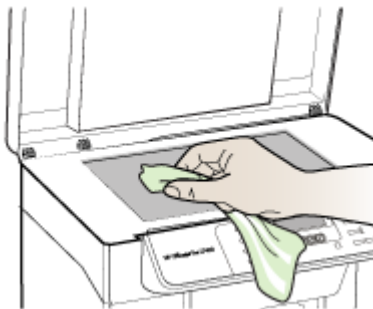
⚠ **CAUTION:** Use only glass cleaner to clean the scanner glass. Avoid cleaners that contain abrasives, acetone, benzene, and carbon tetrachloride, all of which can damage the scanner glass. Avoid isopropyl alcohol because it can leave streaks on the glass.

CAUTION: Do not spray the glass cleaner directly on the glass. If too much glass cleaner is applied, the cleaner could leak under the glass and damage the scanner.

4. Close the scanner lid, and turn on the device.

Clean the exterior

> 📝 **NOTE:** Before cleaning the device, turn off the power and unplug the power cord from the electrical socket.

Use a soft, damp, lint-free cloth to wipe dust, smudges, and stains off of the case. The exterior of the device does not require cleaning. Keep fluids away from the interior of the device, as well as from the control panel.

Troubleshooting tips and resources

Use the following tips and resources to resolve printing problems.

- For a paper jam, see Clear a jam in the device.
- For paper-feed problems, such as the paper skew and paper pick, see Solve paper-feed problems.
- Verify that:
  - The Power light is on and not blinking. When the device is turned on for the first time, it takes approximately 12 minutes to initialize it after the printheads are installed.
  - No error messages appear on the computer screen.
  - The power cord and other cables are working, and are firmly connected to the device. Make sure the device is connected firmly to a functioning alternating current (AC) power outlet, and is turned on. For voltage requirements, see Electrical specifications.
  - Media is loaded correctly in the tray and is not jammed in the device.
  - Printheads and ink cartridges are properly installed in their correct color-coded slots. Press down firmly on each one to ensure proper contact. Ensure you have removed the orange protective caps from each printhead.
  - Printhead latch and all covers are closed.
  - The rear access panel or optional duplexer is locked into place.
  - All packing tapes and materials are removed.
  - The device can print a self-test diagnostic page. For more information, see Understand the self-test diagnostic page.
  - The device is set as the current or default printer. For Windows, set it as the default in the Printers folder. For the Mac OS, set it as the default in the Printer Setup Utility. See your computer's documentation for more information.
  - **Pause Printing** is not selected if you are using a computer running Windows.
  - You are not running too many programs when you are performing a task. Close programs that you are not using or restart the computer before attempting the task again.

Solve printing problems

- The device shuts down unexpectedly
- Error message appears on control-panel display
- The device is not responding (nothing prints)
- Device does not accept printhead

The device shuts down unexpectedly

Check the power and power connections

Make sure the device is connected firmly to a functioning alternating current (AC) power outlet. For voltage requirements, see Electrical specifications.

Error message appears on control-panel display

A non-recoverable error has occurred

Disconnect all cables (such as power cord and USB cable), wait about 20 seconds, and reconnect the cables. If the problem persists, visit the HP Web site (www.hp.com/support) for the latest troubleshooting information, or product fixes and updates.

The device is not responding (nothing prints)

Check the print queue

A print job might be stuck in the print queue. To fix, open the print queue, cancel the printing of all documents in the queue, and then reboot the computer. After the computer reboots, try printing again. See your operating system help for information on opening the print queue and canceling print jobs.

Check the device setup

For more information, see Troubleshooting tips and resources.

Check the printhead initialization

When printheads are installed or replaced, the device automatically prints a few alignment pages to align the printheads. This process takes about 12 minutes. Until this process is complete, only the automatic alignment pages can be printed.

Check the device software installation

If the device is turned off when printing, an alert message should appear on your computer screen; otherwise, the device software might not be installed correctly. To resolve this, uninstall the software completely, and then reinstall the device software. For more information, see Uninstall and reinstall the software.

Check the cable connections

Make sure both ends of the USB cable are secure.

Device does not accept printhead

Check the printhead latch
Make sure the printhead latch is properly closed.

Check the printhead
- Make sure the printhead is inserted into its correct color-coded slot. For more information, see Replace the printheads.
- Remove the printhead, and check to make sure the orange protective caps have been removed from the printhead.

Clean the printhead
Complete the printhead cleaning procedure. For more information, see Maintain the printheads.

Turn off the device after removing the printhead
After removing the printhead, turn off the device, wait about 20 seconds, and turn it on again without the printhead installed. After the device has restarted, reinsert the printhead.

Device takes a long time to print

Check the system resources
Make sure your computer has enough resources to print the document in a reasonable amount of time. If the computer meets only the minimum system requirements, documents might take longer to print. For more information on minimum and recommended system requirements, see System requirements. In addition, if the computer is too busy running other programs, documents can print more slowly.

Check the device software settings
Print speed is slower when **Best** or **Maximum dpi** is selected as the print quality. To increase the print speed, select different print settings in the device driver. For more information, see Change print settings.

Blank or partial page printed

Check for empty ink cartridges
Check the control panel to see which cartridge is low or empty. The Toolbox (Windows), HP Printer Utility (Mac OS), and the self-test diagnostic page (see Understand the self-test diagnostic page) provide information about ink levels. If you are printing black text and a blank page prints, the black cartridge might be empty. For more information, see Replace the ink cartridges.

Check the printhead latch
Make sure the printhead latch is properly closed.

Check the printhead

- Make sure the printhead is inserted into its correct color-coded slot. For more information, see Replace the printheads.
- Remove the printhead, and check to make sure the orange protective caps have been removed from the printhead.

Clean the printhead

Complete the printhead cleaning procedure. For more information, see Maintain the printheads.

Turn off the device after removing the printhead

After removing the printhead, turn off the device, wait about 20 seconds, and turn it on again without the printhead installed. After it has restarted, reinsert the printhead.

Something on the page is missing or incorrect

Check the printheads

Print the print quality diagnostic page on a clean sheet of white paper. Evaluate any problem areas, and perform the recommended actions. For more information, see Print the print quality diagnostic page.

Check the margin settings

Make sure the margin settings for the document do not exceed the printable area of the device. For more information, see Set minimum margins.

Check the color print settings

Make sure **Print in Grayscale** is not selected in the printer driver. For information on changing this setting, see Change print settings.

Check the device location and length of USB cable

High electromagnetic fields (such as those generated by USB cables) can sometimes cause slight distortions to printouts. Move the device away from the source of the electromagnetic fields. Also, it is recommended that you use a USB cable that is less than 3 meters (9.8 feet) long to minimize the effects of these electromagnetic fields.

Placement of the text or graphics is wrong

Check how the media is loaded

Make sure the media width and length guides fit snugly against the edges of the stack of media, and make sure the tray is not overloaded. For more information, see Load media.

Check the media size
- Content on a page might be cut off if the document size is larger than the media that you are using.
- Make sure the media size selected in the printer driver match the size of media loaded in the tray.

Check the margin settings
If the text or graphics are cut off at the edges of the page, make sure the margin settings for the document do not exceed the printable area of your device. For more information, see Set minimum margins.

Check the page-orientation setting
Make sure the media size and page orientation selected in the application match the settings in the printer driver. For more information, see Change print settings.

Check the device location and length of USB cable
High electromagnetic fields (such as those generated by USB cables) can sometimes cause slight distortions to printouts. Move the device away from the source of the electromagnetic fields. Also, it is recommended that you use a USB cable that is less than 3 meters (9.8 feet) long to minimize the effects of these electromagnetic fields.

If the above solutions do not work, the problem may be caused by the inability of the application to interpret print settings properly. See the release notes for known software conflicts, refer to the application's documentation, or contact the software manufacturer for specific help.

The device prints half a page, then ejects the paper

Check the ink cartridges
The ink cartridges may have run out of ink, and the print job was cancelled. Replace the ink cartridges, and then resend the print job to the device. For more information, see Replace the ink cartridges.

Poor print quality and unexpected printouts

- Poor quality printouts
- Meaningless characters print
- Ink is smearing
- Ink is not filling the text or graphics completely
- Output is faded or dull colored
- Colors are printing as black and white
- Wrong colors are printing
- Printout shows bleeding colors
- Colors do not line up properly
- Lines or dots are missing from text or graphics

Poor quality printouts

Check the printheads and ink cartridges

Print the print quality diagnostic page on a clean sheet of white paper. Evaluate any problem areas, and perform the recommended actions. For more information, see Print the print quality diagnostic page.

Check the paper quality

The paper might be too moist or too rough. Make sure the media meets HP specifications, and try to print again. For more information, see Select print media.

Check the type of media loaded in the device

*   Make sure the tray supports the type of media you have loaded. For more information, see Understand specifications for supported media.
*   Make sure you have selected the tray in the print driver that contains the media that you want to use.

Check the device location and length of USB cable

High electromagnetic fields (such as those generated by USB cables) can sometimes cause slight distortions to printouts. Move the device away from the source of the electromagnetic fields. Also, it is recommended that you use a USB cable that is less than 3 meters (9.8 feet) long to minimize the effects of these electromagnetic fields.

Meaningless characters print

If an interruption occurs to a job that is printing, the device might not recognize the rest of the job.

Cancel the print job and wait for the device to return to the ready state. If the device does not return to the ready state, cancel all jobs and wait again. When the device is ready, resend the job. If prompted by the computer to retry the job, click **Cancel**.

Check the cable connections

If the device and computer are connected with a USB cable, the problem may be due to a poor cable connection.

Make sure the cable connections at both ends are secure. If the problem persists, turn off the device, disconnect the cable from the device, turn on the device without connecting the cable, and delete any remaining jobs from the print spooler. When the Power light is on and not flashing, reconnect the cable.

Check the document file

The document file may be damaged. If you can print other documents from the same application, try printing a backup copy of your document, if available.

Ink is smearing

Check the print settings
- When you print documents that use much ink, allow more time to dry before handling the printouts. This is especially true for transparencies. In the printer driver, select the **Best** print quality, and also increase the ink drying time and reduce the ink saturation using the ink volume under the advanced features (Windows) or ink features (Mac OS). However, note that decreasing ink saturation might give printouts a "washed-out" quality.
- Color documents that have rich, blended colors can wrinkle or smear when printed using the **Best** print quality. Try using another print mode, such as **Normal**, to reduce ink, or use HP Premium Paper designed for printing vivid color documents. For more information, see Change print settings.

Check the media type
Some types of media do not accept ink well. For these types of media, ink will dry more slowly and smearing may occur. For more information, see Select print media.

Ink is not filling the text or graphics completely

Check the media type
Some media types are not suitable for use with the device. For more information, see Select print media.

Check the printheads
Print the print quality diagnostic page on a clean sheet of white paper. Evaluate any problem areas, and perform the recommended actions. For more information, see Print the print quality diagnostic page.

Output is faded or dull colored

Check the print mode
The **Draft** or **Fast** mode in the printer driver allows you to print at a faster rate, which is good for printing drafts. To get better results, select **Normal** or **Best**. For more information, see Change print settings.

Check the paper type setting
When printing on transparencies or other special media, select the corresponding media type in the print driver. For more information, see Print on special and custom-sized media.

Colors are printing as black and white

Check the print settings
Make sure **Print in Grayscale** is not selected in the printer driver. For information on changing this setting, see Change print settings.

Wrong colors are printing

Check the print settings
Make sure **Print in Grayscale** is not selected in the printer driver. For information on changing this setting, see Change print settings.

Check the printheads
Print the print quality diagnostic page on a clean sheet of white paper. Evaluate any problem areas, and perform the recommended actions. For more information, see Print the print quality diagnostic page.

Printout shows bleeding colors

Check the ink cartridges
Make sure ink cartridges have not been tampered with. Refilling processes and the use of incompatible inks can disrupt the intricate printing system and result in reduced print quality and damage to the device or printhead. HP does not guarantee or support refilled ink cartridges. For ordering information, see HP supplies and accessories.

Check the printheads
Print the print quality diagnostic page on a clean sheet of white paper. Evaluate any problem areas, and perform the recommended actions. For more information, see Print the print quality diagnostic page.

Colors do not line up properly

Check the printheads
Print the print quality diagnostic page on a clean sheet of white paper. Evaluate any problem areas, and perform the recommended actions. For more information, see Print the print quality diagnostic page.

Check the graphics placement
Use the zoom or print preview feature of your software to check for gaps in the placement of graphics on the page.

Lines or dots are missing from text or graphics

Check the printheads
Print the print quality diagnostic page on a clean sheet of white paper. Evaluate any problem areas, and perform the recommended actions. For more information, see Print the print quality diagnostic page.

Solve paper-feed problems

For information on resolving jams, see Clear a jam in the device.

Optional Tray 2 cannot be inserted

- Reinsert the tray. Make sure it is aligned with the device opening.
- Check for a paper jam. For more information, see Clear a jam in the device.

Another paper-feed problem is occurring

Media is not supported for the printer or tray

Use only media that is supported for the device and the tray being used. For more information, see Understand specifications for supported media.

Media is not picked up from a tray

- Make sure media is loaded in the tray. For more information, see Load media. Fan the media before loading.
- Make sure the paper guides are set to the correct markings in the tray for the media size you are loading. Also make sure the guides are snug, but not tight, against the stack.
- Make sure media in the tray is not curled. Uncurl paper by bending it in the opposite direction of the curl.
- When using thin special media, make sure that the tray is completely loaded. If you are using special media that is only available in small quantities, try placing the special media on top of other paper of the same size to help fill the tray. (Some media is picked up more easily if the tray is full.)
- If you are using thick special media (such as brochure paper), load media so that the tray is between 1/4 and 3/4 full. If necessary, place the media on top of other paper of the same size so that the stack height is within this range.

Media is not coming out correctly

- Make sure the output tray extension is extended; otherwise, printed pages may fall off the device.
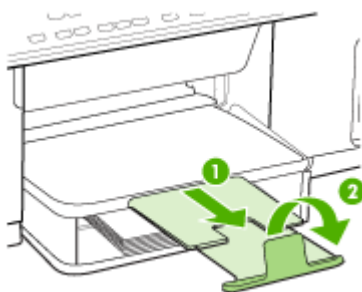
- Remove excess media from the output tray. There is a limit to the number of sheets the tray can hold.

Pages are skewing
- Make sure the media loaded in the trays is aligned to the paper guides. If needed, pull out the trays from the device and reload the media properly, making sure that the paper guides are properly aligned.
- Make sure the rear access panel or optional duplexer is properly installed.
- Load media into the device only when it is not printing.

Multiple pages are being picked up
- Fan the media before loading.
- Make sure the paper guides are set to the correct markings in the tray for the media size you are loading. Also make sure the guides are snug, but not tight, against the stack.
- Make sure the tray is not overloaded with paper.
- When using thin special media, make sure that the tray is completely loaded. If you are using special media that is only available in small quantities, try placing the special media on top of other paper of the same size to help fill the tray. (Some media is picked up more easily if the tray is full.)
- If you are using thick special media (such as brochure paper), load media so that the tray is between 1/4 and 3/4 full. If necessary, place the media on top of other paper of the same size so that the stack height is within this range.
- When reinserting Tray 2 (optional) into the device, do so gently. Forceful insertion with a full stack of paper may cause sheets to slide up within the device, causing the device to jam or pick multiple sheets at one time.
- Use HP media for optimum performance and efficiency.

Solve copy problems

If the following topics do not help, see Support and warranty for information about HP support.

No copy came out
- **Check the power**
  Make sure that the power cord is securely connected, and the device turned on.
- **Check the status of the device**
  - The device might be busy with another job. Check the control-panel display for information about the status of jobs. Wait for any job that is processing to finish.
  - The device might be jammed. Check for jams. See Clear jams.
- **Check the trays**
  Make sure that media is loaded. See Load media for more information.

Copies are blank

- **Check the media**

  The media might not meet Hewlett-Packard media specifications (for example, the media is too moist or too rough). See Select print media for more information.

- **Check the settings**

  The contrast setting might be set too light. Use the **Copy** button on the control panel to create darker copies.

Documents are missing or faded

- **Check the media**

  The media might not meet Hewlett-Packard media specifications (for example, the media is too moist or too rough). See Select print media for more information.

- **Check the settings**

  The quality setting of **Fast** (which produces draft-quality copies) might be responsible for the missing or faded documents. Change to the **Normal** or **Best** setting.

- **Check the original**

  - The accuracy of the copy depends on the quality and size of the original. Use the **Copy** menu to adjust the brightness of the copy. If the original is too light, the copy might not be able to compensate, even if you adjust the contrast.

  - Colored backgrounds might cause images in the foreground to blend into the background, or the background might appear in a different shade.

Size is reduced

- The reduce/enlarge or other copy feature might have been set from the control panel to reduce the scanned image. Check the settings for the copy job to make sure that they are for normal size.

- The HP photo and imaging software settings might be set to reduce the scanned image. Change the settings, if needed. See the onscreen Help for the HP photo and imaging software for more information.

Copy quality is poor

- **Take steps to improve the copy quality**

  - Use quality originals.

  - Load the media correctly. If the media is loaded incorrectly, it might skew, causing unclear images. See Select print media for more information.

  - Use or make a carrier sheet to protect your originals.

- **Check the device**

  - The scanner lid might not be closed properly.

  - The scanner glass or lid backing might need cleaning. See Clean the device for more information.

Copy defects are apparent

- **Vertical white or faded stripes**

  The media might not meet Hewlett-Packard media specifications (for example, the media is too moist or too rough). See Select print media for more information.

- **Too light or dark**

  Try adjusting the contrast and copy-quality settings.

- **Unwanted lines**

  The scanner glass, lid backing, or frame might need cleaning. See Clean the device for more information.

- **Black dots or streaks**

  Ink, glue, correction fluid, or an unwanted substance might be on the scanner glass or lid backing. Try cleaning the device. See Clean the device for more information.

- **Unclear text**

  - Try adjusting the contrast and copy-quality settings.
  - The default enhancement setting might not be suitable for the job. Check the setting and change it to enhance text or photographs, if needed. For more information, see Change the copy settings.

- **Incompletely filled text or graphics**

  Try adjusting the contrast and copy-quality settings.

- **Large, black typefaces look splotchy (not smooth)**

  The default enhancement setting might not be suitable for the job. Check the setting and change it to enhance text or photographs, if needed. For more information, see Change the copy settings.

- **Horizontal grainy or white bands in light-gray to medium-gray areas**

  The default enhancement setting might not be suitable for the job. Check the setting and change it to enhance text or photographs, if needed. For more information, see Change the copy settings.

The device prints half a page, then ejects the paper

Check the ink cartridges

The ink cartridges may have run out of ink, and the print job was cancelled. Replace the ink cartridges, and then resend the print job to the device. For more information, see Replace the ink cartridges.

Solve scan problems

If the following topics do not help, see Support and warranty for information about HP support.

NOTE: If you are starting the scan from a computer, see the software Help for troubleshooting information.

Scanner did nothing

- **Check the original**

  Make sure that the original is placed on the scanner glass correctly. For more information, see Load an original on the scanner glass.

- **Check the device**

  The device might be coming out of PowerSave mode after a period of inactivity, which delays processing a short while. Wait until the device reaches the **READY** state.

Scan takes too long

- **Check the settings**
  - If you set the resolution too high, the scan job takes longer and results in larger files. To obtain good results when scanning or copying, do not use a resolution that is higher than needed. You can lower the resolution to scan more quickly.
  - If you acquire an image through TWAIN, you can change the settings so that the original scans in black and white. See the onscreen Help for the TWAIN program for information.

- **Check the status of the device**

  If you sent a print or copy job before you tried to scan, the scan starts if the scanner is not busy. However, the printing and scanning processes share memory, which means that the scan might be slower.

Part of the document did not scan or text is missing

- **Check the original**
  - Make sure that you loaded the original correctly. For more information, see Load originals.
  - Colored backgrounds can cause images in the foreground to blend into the background. Try adjusting the settings before you scan the original, or try enhancing the image after you scan the original.

- **Check the settings**
  - Make sure that the input media size is large enough for the original that you are scanning.
  - If you are using the HP photo and imaging software, the default settings in the HP photo and imaging software might be set to automatically perform a specific task other than the one that you are attempting. See the onscreen Help for the HP photo and imaging software for instructions about changing the properties.

Text cannot be edited

- **Check the settings**
  - Make sure that the OCR software is set to edit text.
  - When you scan the original, make sure that you select a document type that creates editable text. If text is classified as a graphic, it is not converted to text.
  - Your OCR program might be linked to a word-processing program that does not perform OCR tasks. See the product software Help for more information about linking programs.
- **Check the originals**
  - Make sure that you placed the original correctly on the scanner glass. For more information, see Load originals.
  - The OCR program might not recognize text that is tightly spaced. For example, if the text that the OCR program converts has missing or combined characters, "rn" might appear as "m."
  - The accuracy of the OCR program depends on the image quality, text size, and structure of the original and the quality of the scan itself. Make sure that your original has good image quality.
  - Colored backgrounds can cause images in the foreground to blend too much. Try adjusting the settings before you scan the original, or try enhancing the image after you scan the original. If you are performing an OCR operation on an original, any colored text on the original does not scan well, if at all.

Error messages appear

"Unable to activate TWAIN source" or "An error occurred while acquiring the image"

- If you are acquiring an image from another device, such as a digital camera or another scanner, make sure that the other device is TWAIN-compliant. Devices that are not TWAIN-compliant do not work with the device software.
- Make sure that you have connected the USB Device Cable to the correct port on the back of your computer.
- Verify that the correct TWAIN source is selected. In the software, check the TWAIN source by selecting **Select Scanner** on the **File** menu.

Scanned image quality is poor

The original is a second-generation photo or picture

Reprinted photographs, such as those in newspapers or magazines, are printed by using tiny dots of ink that make an interpretation of the original photograph, which degrades the quality. Often, the ink dots form unwanted patterns that can be detected when the image is scanned or printed or when the image appears on a screen. If the following suggestions do not solve the problem, you might need to use a better-quality version of the original.

- To eliminate the patterns, try reducing the size of the image after scanning.
- Print the scanned image to see if the quality is better.
- Make sure that the resolution and color settings are correct for the type of scan job.

Text or images on the back of a two-sided original appear in the scan

Two-sided originals can "bleed" text or images from the back side to the scan if the originals are printed on media that is too thin or too transparent.

The scanned image is skewed (crooked)

The original might have been placed incorrectly. Be sure to use the media guides when you place the original on the scanner glass. For more information, see Load originals.

The image quality is better when printed

The image that appears on the screen is not always an accurate representation of the quality of the scan.

• Try adjusting your computer monitor settings to use more colors (or levels of gray). On Windows computers, you typically make this adjustment by opening **Display** on the Windows control panel.

• Try adjusting the resolution and color settings.

The scanned image shows blots, lines, vertical white stripes, or other defects

• If the scanner glass is dirty, the image produced does not have optimum clarity. See Clean the device for cleaning instructions.

• The defects might be on the original and not a result of the scanning process.

Graphics look different from the original

The graphics settings might not be suitable for the type of scan job that you are performing. Try changing the graphics settings.

Take steps to improve the scan quality

• Use high-quality originals.

• Place the media correctly. If the media is placed incorrectly on the scanner glass, it might skew, which causes unclear images. For more information, see Load originals.

• Adjust the software settings according to how you plan to use the scanned page.

• Use or make a carrier sheet to protect your originals.

• Clean the scanner glass. See Clean the scanner glass for more information.

Scan defects are apparent

• **Blank pages**

Make sure that the original document is placed correctly. Place the original document face down on the flatbed scanner with the top-left corner of the document located in the lower-right corner of the scanner glass.

• **Too light or dark**

• Try adjusting the settings. Be sure to use the correct resolution and color settings.

• The original image might be very light or dark or might be printed on colored paper.

• **Unwanted lines**

Ink, glue, correction fluid, or an unwanted substance might be on the scanner glass. Try cleaning the scanner glass. See Clean the device for more information.

- **Black dots or streaks**
  - Ink, glue, correction fluid, or an unwanted substance might be on the scanner glass, the scanner glass might be dirty or scratched, or the lid backing might be dirty. Try cleaning the scanner glass and lid backing. See Clean the device for more information. If cleaning does not correct the problem, the scanner glass or lid backing might need to be replaced.
  - The defects might be on the original and not a result of the scanning process.
- **Unclear text**

  Try adjusting the settings. Make sure that the resolution and color settings are correct.
- **Size is reduced**

  The HP software settings might be set to reduce the scanned image. See the product software Help for more information about changing the settings.

Troubleshoot installation issues

If the following topics do not help, see Support and warranty for information about HP support.

- Hardware installation suggestions
- Software installation suggestions

Hardware installation suggestions

Check the device
- Make sure that all packing tape and material have been removed from outside and inside the device.
- Make sure that the device is loaded with paper.
- Make sure that no lights are on or blinking except the Ready light, which should be on. If the Attention light is blinking, check for messages on the control panel.
- Make sure that the device can print a self-test diagnostic page.

Check the hardware connections
- Make sure that any cords and cables that you are using are in good working order.
- Make sure that the power cord is connected securely to both the device and to a working power outlet.

Check the printheads and ink cartridges
- Make sure that you have removed the orange caps from the printheads.
- Make sure that all of the printheads and ink cartridges are firmly installed in their correct, colorcoded slot. Press down firmly on each one to ensure proper contact. The device cannot work if they are not all installed.
- Make sure that the printhead latch is closed properly.
- If the display shows a printhead error message, clean the contacts on the printheads.

Check the computer system
- Make sure that your computer is running one of the supported operating systems.
- Make sure that the computer meets at least the minimum system requirements.

Check the device to ensure the following
- Power light is on and not blinking. When the device is first turned on, it takes approximately 45 seconds to warm up.
- The device is in the Ready state, and no other lights on the control panel are lit or blinking. If lights are lit or blinking, see the message on the control panel.
- Ensure power cord and other cables are working, and are firmly connected to the device.
- All packing tapes and materials are removed from the device.
- Rear access panel or duplexer is locked into place.
- Paper is loaded correctly in the tray, and is not jammed in the device.
- Ensure the orange protective caps have been removed from each printhead.
- Printheads and ink cartridges are properly installed in their correct color-coded slots. Press down firmly on each one to ensure proper contact.
- Printhead latch and all covers are closed.

Software installation suggestions

Verify installation preliminaries
- Make sure to use the Starter CD that contains the correct installation software for your operating system.
- Before installing software, make sure that all other programs are closed.
- If the computer does not recognize the path to the CD-ROM drive that you type, make sure that you are specifying the correct drive letter.
- If the computer cannot recognize the Starter CD in the CD-ROM drive, inspect the Starter CD for damage. You can download the device driver from the HP Web site (www.hp.com/support).

Check or perform the following
- Make sure the computer meets the system requirements.
- Before installing software on a Windows computer, ensure all other programs are closed.
- If the computer does not recognize the path to the CD drive that you typed, ensure you are specifying the correct drive letter.
- If the computer cannot recognize the Starter CD in the CD drive, inspect the CD for damage. You can download the device driver from the HP Web site (www.hp.com/support).

- In the Windows device manager, make sure that the USB drivers have not been disabled.
- If you are using a computer running Windows, and the computer cannot detect the device, run the uninstallation utility (util\ccc\uninstall.bat on the Starter CD) to perform a clean uninstallation of the device driver. Restart your computer, and reinstall the device driver.

Clear jams

Occasionally, media becomes jammed during a job. Try the following remedies before you attempt to clear the jam.

- Make sure that you are printing with media that meets specifications. For more information, see Select print media.
- Make sure that you are printing with media that is not wrinkled, folded, or damaged.
- Make sure that the device is clean. For more information, see Clean the device.
- Make sure that the trays are loaded correctly and are not too full. For more information, see Load media.

Clear a jam in the device

To clear a jam
1. Remove all media from the output tray.
2. Check the rear access panel or the duplexer.
   a. Push the button on either side of the rear access panel or the duplexer, and then remove the panel or unit.
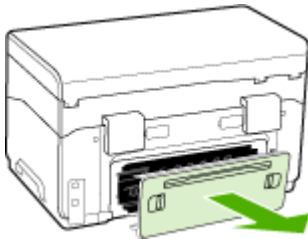
   b. Locate any jammed media inside the device, grasp it with both hands and then pull it toward you.

c. If the jam is not there, push the latch on the top of the duplexer and lower its cover. If the jam is inside, carefully remove it. Close the cover.
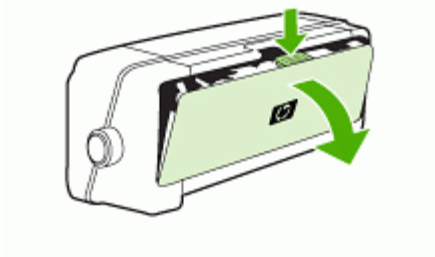
d. Reinsert the rear access panel or the duplexer into the device.

3. If you cannot locate the jam, lift the output tray and check for a jam in Tray 1. If media is jammed in the tray, do the following:

a. Raise the output tray.

b. Pull the paper toward you.

c. Lower the output tray.

4. Open the print carriage access door. If there is paper remaining inside the device, ensure the carriage has moved to the right of the device, free any paper scraps or wrinkled media, and pull the media towards you through the top of the device.

⚠ **WARNING!** Do not reach into the device when it is on and the carriage is stuck. When you open the print carriage access door, the carriage should return to its position on the right side of the device. If it does not move to the right, turn off the device before you remove any jam.

5. After clearing the jam, close all covers, turn on the device (if you turned it off) and resend the print job.

Tips for avoiding jams

- Make sure that nothing is blocking the paper path.
- Do not overload the trays. For more information, see Understand specifications for supported media.
- Load paper properly and when the device is not printing. For more information, see Load media.
- When reinserting Tray 2 (optional) into the device, do so gently. Forceful insertion with a full stack of paper may cause sheets to slide up within the device, causing it to jam or pick multiple sheets at one time.
- Do not use media that is curled or crumpled.
- Always use media that conforms with specifications. For more information, see Select print media.
- Make sure the output tray is not overly full.
- Make sure media is aligned against the right side of a tray.
- Make sure the media length and width guides are adjusted snugly against the media, but do not crinkle or bend it.

A HP supplies and accessories

This section provides information on HP supplies and accessories for the device. The information is subject to changes, visit the HP Web site (www.hpshopping.com) for the latest updates. You may also make purchases through the Web site.

- Order printing supplies online
- Accessories
- Supplies

Order printing supplies online

Besides the HP Web site, you may order printing supplies using the following tools:

- **Toolbox (Windows):** On the **Estimated Ink Level** tab, click **Shop Online**.
- **HP Printer Utility (Mac OS):** Click **Supplies Status** from the **Information and Support** panel, click the **Shop for HP Supplies** drop-down menu, and then choose **Online**.

Accessories

HP automatic two-sided printing accessory	C9278A	Auto-duplexer allowing printing on both sides of a sheet of paper automatically
350-sheet input tray	CB007A	Optional second tray for up to 350 pages of plain paper
HP Jetdirect 175x Print Server-Fast Ethernet*	J6035C	External print server (USB 1.0)
HP Jetdirect en3700 Fast Ethernet Print Server*	J7942A	External print server (USB 2.0)
HP Jetdirect ew2400 802.11g Wireless Print Server*	J7951A	Wireless or wired external print server

*Only supports print functionality.

Supplies

- Ink cartridges
- Printheads
- HP media

Ink cartridges

Use only the replacement cartridges that have the same cartridge number as the ink cartridge you are replacing. You can find the cartridge number in the following places:

- On the self-test diagnostic page. For more information, see Understand the self-test diagnostic page.
- On the label of the ink cartridge you are replacing.
- **Toolbox (Windows)**: Click the **Estimated Ink Level** tab, and then click the **Cartridge Details** button to view information about replacement ink cartridges.
- **HP Printer Utility (Mac OS)**: Open the **Information and Support** panel, and then click **Supply Info**.

Printheads

HP 88 Black and Yellow	C9381A
HP 88 Magenta and Cyan	C9382A

HP media

To order media such as HP Premium Plus Photo Paper or HP Premium Paper, go to www.hp.com. Choose your country/region, and then select **Buy** or **Shopping**.

B Support and warranty

The information in <u>Maintain and troubleshoot</u> suggests solutions to common problems. If your device is not operating correctly and those suggestions did not solve your problem, try using one of the following support services to obtain assistance.

This section contains the following topics:

Hewlett-Packard limited warranty statement

HP product	Duration of limited warranty
Software Media	90 days
Printer	1 year
Print or Ink cartridges	Until the HP ink is depleted or the "end of warranty" date printed on the cartridge has been reached, whichever occurs first. This warranty does not cover HP ink products that have been refilled, remanufactured, refurbished, misused, or tampered with.
Printheads	1 year

A. Extent of limited warranty
　1. Hewlett-Packard (HP) warrants to the end-user customer that the HP products specified above will be free from defects in materials and workmanship for the duration specified above, which duration begins on the date of purchase by the customer.
　2. For software products, HP's limited warranty applies only to a failure to execute programming instructions. HP does not warrant that the operation of any product will be interrupted or error free.
　3. HP's limited warranty covers only those defects that arise as a result of normal use of the product, and does not cover any other problems, including those that arise as a result of:
　　a. Improper maintenance or modification;
　　b. Software, media, parts, or supplies not provided or supported by HP;
　　c. Operation outside the product's specifications;
　　d. Unauthorized modification or misuse.
　4. For HP printer products, the use of a non-HP cartridge or a refilled cartridge does not affect either the warranty to the customer or any HP support contract with the customer. However, if printer failure or damage is attributable to the use of a non-HP or refilled cartridge or an expired ink cartridge, HP will charge its standard time and materials charges to service the printer for the particular failure or damage.
　5. If HP receives, during the applicable warranty period, notice of a defect in any product which is covered by HP's warranty, HP shall either repair or replace the product, at HP's option.
　6. If HP is unable to repair or replace, as applicable, a defective product which is covered by HP's warranty, HP shall, within a reasonable time after being notified of the defect, refund the purchase price for the product.
　7. HP shall have no obligation to repair, replace, or refund until the customer returns the defective product to HP.
　8. Any replacement product may be either new or like-new, provided that it has functionality at least equal to that of the product being replaced.
　9. HP products may contain remanufactured parts, components, or materials equivalent to new in performance.
　10. HP's Limited Warranty Statement is valid in any country where the covered HP product is distributed by HP. Contracts for additional warranty services, such as on-site service, may be available from any authorized HP service facility in countries where the product is distributed by HP or by an authorized importer.
B. Limitations of warranty
　　TO THE EXTENT ALLOWED BY LOCAL LAW, NEITHER HP NOR ITS THIRD PARTY SUPPLIERS MAKES ANY OTHER WARRANTY OR CONDITION OF ANY KIND, WHETHER EXPRESS OR IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY, SATISFACTORY QUALITY, AND FITNESS FOR A PARTICULAR PURPOSE.
C. Limitations of liability
　1. To the extent allowed by local law, the remedies provided in this Warranty Statement are the customer's sole and exclusive remedies.
　2. TO THE EXTENT ALLOWED BY LOCAL LAW, EXCEPT FOR THE OBLIGATIONS SPECIFICALLY SET FORTH IN THIS WARRANTY STATEMENT, IN NO EVENT SHALL HP OR ITS THIRD PARTY SUPPLIERS BE LIABLE FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, WHETHER BASED ON CONTRACT, TORT, OR ANY OTHER LEGAL THEORY AND WHETHER ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.
D. Local law
　1. This Warranty Statement gives the customer specific legal rights. The customer may also have other rights which vary from state to state in the United States, from province to province in Canada, and from country to country elsewhere in the world.
　2. To the extent that this Warranty Statement is inconsistent with local law, this Warranty Statement shall be deemed modified to be consistent with such local law. Under such local law, certain disclaimers and limitations of this Warranty Statement may not apply to the customer. For example, some states in the United States, as well as some governments outside the United States (including provinces in Canada), may:
　　a. Preclude the disclaimers and limitations in this Warranty Statement from limiting the statutory rights of a consumer (e.g., the United Kingdom);
　　b. Otherwise restrict the ability of a manufacturer to enforce such disclaimers or limitations; or
　　c. Grant the customer additional warranty rights, specify the duration of implied warranties which the manufacturer cannot disclaim, or allow limitations on the duration of implied warranties.
　3. THE TERMS IN THIS WARRANTY STATEMENT, EXCEPT TO THE EXTENT LAWFULLY PERMITTED, DO NOT EXCLUDE, RESTRICT, OR MODIFY, AND ARE IN ADDITION TO, THE MANDATORY STATUTORY RIGHTS APPLICABLE TO THE SALE OF THE HP PRODUCTS TO SUCH CUSTOMERS.

HP Limited Warranty

Dear Customer,

You will find below the name and address of the HP entity responsible for the performance of the HP Limited Warranty in your country.

You may have additional statutory rights against the seller based on your purchase agreement. Those rights are not in any way affected by this HP Limited Warranty.

Ireland: Hewlett-Packard Ireland Ltd. 30 Herbert Street IRL-Dublin 2
United Kingdom: Hewlett-Packard Ltd, Cain Road, Bracknell, GB-Berks RG12 1HN

Obtain electronic support

To find support and warranty information, go to the HP Web site at www.hp.com/support. If prompted, choose your country/region, and then click **Contact HP** for information on calling for technical support.

This Web site also offers technical support, drivers, supplies, ordering information and other options such as:

- Access online support pages.
- Send HP an e-mail message for answers to your questions.
- Connect with an HP technician by using online chat.
- Check for software updates.

You can also obtain support from the Toolbox (Windows) or HP Printer Utility (Mac OS), which provide easy, step-by-step solutions to common printing problems. For more information, see Toolbox (Windows) or HP Printer Utility (Mac OS).

Support options and availability vary by product, country/region, and language.

Obtain HP telephone support

During the warranty period, you may obtain assistance from the HP Customer Care Center.

This section contains the following topics:

- Before you call
- Support process
- HP support by phone
- Additional warranty options
- HP Quick Exchange Service (Japan)
- Call HP Korea customer support

Before you call

Visit the HP Web site (www.hp.com/support) for the latest troubleshooting information, or product fixes and updates.

To assist our Customer Care Center representatives to serve you better, prepare the following information if you need to call HP.

1. Print the self-test diagnostic page of the device. For more information, see Understand the self-test diagnostic page. If the device does not print, get the following information ready:
   - Device model
   - Model number and serial number (check the back of the device)
2. Check the operating system that you are using, such as Windows XP.
3. If the device is connected to the network, check the network operating system.
4. Note how the device is connected to your system, such as through USB or network connection.
5. Obtain the version number of the printer software. (To find the version number of the printer driver, open the printer settings or properties dialog box, and click the **About** tab.)
6. If you have a problem printing from a particular application, note the application and version number.

Support process

If you have a problem, follow these steps
1. Check the documentation that came with the device.
2. Visit the HP online support Web site at www.hp.com/support. HP online support is available to all HP customers. It is the fastest source for up-to-date device information and expert assistance and includes the following features:
   - Fast access to qualified online support specialists
   - Software and driver updates for the HP All-in-One
   - Valuable troubleshooting information for common problems
   - Proactive device updates, support alerts, and HP newsgrams that are available when you register the HP All-in-One
3. Call HP support. Support options and availability vary by device, country/region, and language.

HP support by phone

This section contains the following topics:
- Phone support period
- Telephone support numbers
- Placing a call
- After the phone support period

Phone support period

One year of phone support is available in North America, Asia Pacific, and Latin America (including Mexico).

Telephone support numbers

In many locations, HP provides toll free telephone support during the warranty period. However, some of the support numbers listed below may not be toll free.

For the most current list of telephone support numbers, see www.hp.com/support.

www.hp.com/support

021 672 280	الجزائر	0800 222 47	الأردن
Argentina (Buenos Aires)	54-11-4708-1600	한국	1588-3003
Argentina	0-800-555-5000	Luxembourg (Français)	900 40 006
Australia	1300 721 147	Luxembourg (Deutsch)	900 40 007
Australia (out-of-warranty)	1902 910 910	Malaysia	1800 88 8588
Österreich	0820 87 4417	Mauritius	(262) 262 210 404
17212049	البحرين	México (Ciudad de México)	55-5258-9922
België	070 300 005	México	01-800-472-68368
Belgique	070 300 004	081 005 010	المغرب
Brasil (Sao Paulo)	55-11-4004-7751	Nederland	0900 2020 165
Brasil	0-800-709-7751	New Zealand	0800 441 147
Canada	1-(800)-474-6836 (1-800 hp invent)	Nigeria	(01) 271 2320
Central America & The Caribbean	www.hp.com/support	Norge	815 62 070
Chile	800-360-999	24791773	عُمان
中国	10-68687980	Panamá	1-800-711-2884
中国	800-810-3888	Paraguay	009 800 54 1 0006
Colombia (Bogotá)	571-606-9191	Perú	0-800-10111
Colombia	01-8000-51-4746-8368	Philippines	2 867 3551
Costa Rica	0-800-011-1046	Polska	801 800 235
Česká republika	810 222 222	Portugal	808 201 492
Danmark	70 202 845	Puerto Rico	1-877-232-0589
Ecuador (Andinatel)	1-999-119 ☏ 800-711-2884	República Dominicana	1-800-711-2884
Ecuador (Pacifitel)	1-800-225-528 ☏ 800-711-2884	Reunion	0820 890 323
		România	0801 033 390
(02) 6910602	مصر	Россия (Москва)	095 777 3284
El Salvador	800-6160	Россия (Санкт-Петербург)	812 332 4240
España	902 010 059	800 897 1415	السعودية
France	0892 69 60 22	Singapore	6 272 5300
Deutschland	01805 652 180	Slovensko	0850 111 256
Ελλάδα (από το εξωτερικό)	+ 30 210 6073603	All other African English Speaking ISE countries	+ 27 (0)11 234 5872
Ελλάδα (εντός Ελλάδας)	801 11 75400	South Africa (RSA)	0860 104 771
Ελλάδα (από Κύπρο)	800 9 2654	Rest of West Africa	+ 351 213 17 63 80
Guatemala	1-800-711-2884	Suomi	0 203 66 767
香港特別行政區	(852) 2802 4098	Sverige	077 120 4765
Magyarország	06 40 200 629	Switzerland	0848 672 672
India	1-800-425-7737	臺灣	02-8722-8000
India	91-80-28526900	ไทย	+66 (2) 353 9000
Indonesia	+62 (21) 350 3408	071 891 391	تونس
+971 4 224 9189	العراق	Trinidad & Tobago	1-800-711-2884
+971 4 224 9189	الكويت	Türkiye	+90 212 444 71 71
+971 4 224 9189	لبنان	Україна	(044) 230 51 06
+971 4 224 9189	قطر	600 54 47 47	المتحدة العربية الإمارات
+971 4 224 9189	اليمن	United Kingdom	0870 010 4320
Ireland	1890 923 902	United States	1-(800)-474-6836
1-700-503-048	ישראל	Uruguay	0004-054-177
Italia	848 800 871	Venezuela (Caracas)	58-212-278-8666
Jamaica	1-800-711-2884	Venezuela	0-800-474-68368
日本	0570-000511	Viêt Nam	+84 88234530
日本(携帯電話の場合)	03-3335-9800		

Placing a call

Call HP support while you are in front of the computer and the HP All-in-One. Be prepared to provide the following information:

•   Model number (located on the label on the front of the device)
•   Serial number (located on the back or bottom of the device)
•   Messages that appear when the situation occurs
•   Answers to these questions:
    •   Has this situation happened before?
    •   Can you re-create it?
    •   Did you add any new hardware or software to your computer at about the time that this situation began?
    •   Did anything else occur prior to this situation (such as a thunderstorm, HP All-in-One was moved, etc.)?

After the phone support period

After the phone support period, help is available from HP at an additional cost. Help may also be available at the HP online support Web site: www.hp.com/support. Contact your HP dealer or call the support phone number for your country/region to learn more about support options.

Additional warranty options

Extended service plans are available for the HP All-in-One at additional costs. Go to www.hp.com/support, select your country/region and language, then explore the services and warranty area for information about the extended service plans.

HP Quick Exchange Service (Japan)

インク カートリッジに問題がある場合は以下に記載されている電話番号に連絡してください。インク カートリッジが故障している、または欠陥があると判断された場合、HP Quick Exchange Service がこのインク カートリッジを正常品と交換し、故障したインク カートリッジを回収します。保障期間中は、修理代と配送料は無料です。また、お住まいの地域にもよりますが、プリンタを次の日までに交換することも可能です。

電話番号：	0570-000511（自動応答）
	03-3335-9800（自動応答システムが使用できない場合）
サポート時間：	平日の午前 9:00 から午後 5:00 まで
	土日の午前 10:00 から午後 5:00 まで
	祝祭日および 1 月 1 日から 3 日は除きます。

サービスの条件:
- サポートの提供は、カスタマケアセンターを通してのみ行われます。
- カスタマケアセンターがプリンタの不具合と判断した場合に、サービスを受けることができます。

  ご注意：ユーザの扱いが不適切であったために故障した場合は、保障期間中であっても修理は有料となります。詳細については保証書を参照してください。

その他の制限:
- 運搬の時間はお住まいの地域によって異なります。詳しくは、カスタマケアセンターに連絡してご確認ください。
- 出荷配送は、当社指定の配送業者が行います。
- 配送は交通事情などの諸事情によって、遅れる場合があります。
- このサービスは、将来予告なしに変更することがあります。

For instructions on how to pack your device for exchange, see Pack the device.

Call HP Korea customer support

HP 한국 고객 지원 문의
- 고객 지원 센터 대표 전화
  1588-3003
- 제품가격 및 구입처 정보 문의 전화
  080-703-0700
- 전화 상담 가능 시간:
  평 일 09:00~18:00
  토요일 09:00~13:00
  (일요일, 공휴일 제외)

Prepare the device for shipment

If after contacting HP Customer Support or returning to the point of purchase, you are requested to send the device in for service, make sure you remove and keep the following items before returning your device:

- The ink cartridges and printheads
- The control-panel faceplate
- The power cord, USB cable, and any other cable connected to the device
- Any paper loaded in the input tray
- Remove any originals you might have loaded in the device

This section contains the following topics:

- Remove the ink cartridges and printheads before shipment
- Remove the control-panel faceplate

Remove the ink cartridges and printheads before shipment

Before you return the device, make sure you remove your ink cartridges and printheads.

NOTE: This information does not apply to customers in Japan.

To remove ink cartridges before shipment

1. Turn on the device and wait until the print carriage is idle and silent. If the device will not turn on, skip this step and go to step 2.

   NOTE: If the device does not turn on, you can unplug the power cord and then manually slide the print carriage to the far right side to remove the ink cartridges.

2. Gently pull open the ink cartridge cover.

3. Remove the ink cartridges from their slots by grasping each between your thumb and forefinger and pulling it firmly toward you.
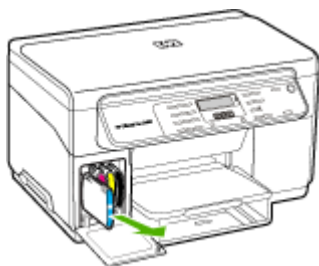
4. Place the ink cartridges in an airtight plastic container so they will not dry out, and put them aside. Do not send them with the device unless the HP customer support call agent instructs you to.
5. Close the ink cartridge door and wait a few minutes for the print carriage to move back to its home position (on the left side).
6. After the scanner is idle and has returned to its parked position, press the **Power** button to turn off the device.

To remove printheads before shipment
1. Open the top cover.
2. If the carriage does not move to the left automatically, press and hold the **OK** button for 5 seconds. Wait for the carriage to stop moving.
3. Lift the printhead latch.
4. Lift the handle of a printhead and use it to pull the printhead out of its slot.
5. Place the printheads in an airtight plastic container so they will not dry out, and put them aside. Do not send them with the device unless the HP customer support call agent instructs you to.
6. Close the top cover.
7. After the scanner is idle and has returned to its parked position, press the **Power** button to turn off the device.

Remove the control-panel faceplate

Complete the following steps once you have removed the ink cartridges and printheads.

NOTE: This information does not apply to customers in Japan.

CAUTION: The device must be unplugged before following these steps.

CAUTION: The replacement device will not be shipped with a power cord. Store the power cord in a safe place until the replacement arrives.

To remove the control-panel faceplate
1. Press the **Power** button to turn off the device.
2. Unplug the power cord, and then disconnect it from the device. Do not return the power cord with the device.

3. Remove the control-panel faceplate as follows:
   a. Lift the scanner lid.

   b. Use either your finger or insert a thin object in the tab on the upper right corner of the control-panel faceplate to pry the control-panel faceplate off.
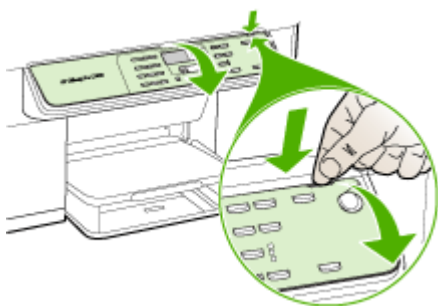
4. Retain the control-panel faceplate. Do not return the control-panel faceplate with the HP All-in-One.

   △ **CAUTION:** The replacement device might not come with a control-panel faceplate. Store your control-panel faceplate in a safe place, and when the replacement device arrives, reattach your control-panel faceplate. You must attach your control-panel faceplate to use the control-panel functions on the replacement device.

   📝 **NOTE:** See the setup poster that came with the device for instructions on how to attach your control-panel faceplate. The replacement device might come with instructions for setting up your device.

Pack the device

Complete the following steps after you have prepared the device for shipment.

To pack the device

1. If available, pack the device for shipment by using the original packaging materials, or use the packaging materials that came with your replacement device.
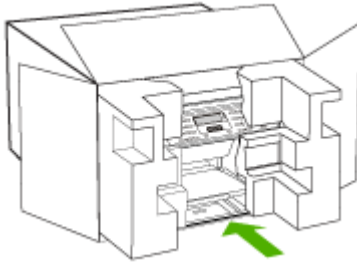
If you do not have the original packaging materials, please use other adequate packaging materials. Shipping damage caused by improper packaging and/or improper transportation is not covered under the warranty.

2. Place the return shipping label on the outside of the box.

3. Include the following items in the box:

   • A complete description of symptoms for service personnel (samples of print quality problems are helpful).

   • A copy of the sales slip or other proof of purchase to establish the warranty coverage period.

   • Your name, address, and a phone number where you can be reached during the day.

C Device specifications

For media and media-handling specifications, see Understand specifications for supported media.

Physical specifications

Size (width x depth x height)
- **Device with A4/Letter-size scanner glass:** 505 x 402 x 356 mm (19.9 x 15.8 x 14 inches)
- **With Duplexer:** Adds 64 mm (2.5 inches) to the rear of the device.
- **With Tray 2:** Adds 76 mm (3 inches) to the height of the device.

Device weight (does not include printheads or ink cartridges)
- **Device with A4/Letter-size scanner glass:** 14.2 kg (31.3 lb)
- **With Duplexer:** Adds 0.95 kg (2.0 lb)
- **With Tray 2:** Adds 2.5 kg (5.5 lb)

Product features and capacities

Feature	Capacity
Connectivity	• USB 2.0-compliant high speed • USB host connector is only supported up to full speed.
Print method	Drop-on-demand thermal inkjet printing
Ink cartridges	Four ink cartridges (one each for black, cyan, magenta, and yellow)
Printheads	Two printheads (one black and yellow, and one magenta and cyan)
Supply yields	Visit www.hp.com/pageyield/ for more information on estimated ink cartridge yields.
Device languages	HP PCL 3 enhanced
Font support	US fonts: CG Times, CG Times Italic, Universe, Universe Italic, Courier, Courier Italic, Letter Gothic, Letter Gothic Italic.
Duty cycle	Up to 7,500 pages per month
Control panel language support Language availability varies by country/region.	Bulgarian, Croatian, Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Romanian, Russian, Simplified Chinese, Slovak, Slovenian, Spanish, Swedish, Traditional Chinese, Turkish, Ukrainian.

Processor and memory specifications

Device processor
192 MHz ARM946ES, ETM9 (medium)

Device memory

64 MB built-in RAM, 16 MB built-in MROM + 2 MB built-in Flash ROM

System requirements

NOTE: For the most current information about supported operating systems and system requirements, visit http://www.hp.com/support/

Operating system compatibility

• Windows 2000, Windows XP, Windows XP x64 (Professional and Home Editions), Windows Vista

NOTE: HP provides only printer and scanner drivers for Windows 2000. The HP Photosmart Software is not supported.

• Mac OS X (10.3, 10.4)
• Linux

Minimum requirements

• **Windows 2000 Service Pack 4:** Intel Pentium II or Celeron processor, 128 MB RAM, 150 MB free hard disk space
• **Windows XP (32-bit):** Intel Pentium II or Celeron processor, 128 MB RAM, 350 MB free hard disk space
• **Microsoft® Windows® x64:** AMD Athlon 64, AMD Opteron, Intel Xeon processor with Intel EM64T support, or Intel Pentium 4 processor with Intel EM64T support, 128 MB RAM, 270 MB free hard disk space, Microsoft Internet Explorer 6.0
• **Windows Vista:** 800 MHz 32-bit (x86) or 64-bit (x64) processor, 512 MB RAM, 740 MB free hard disk space
• **Mac OS X (10.3.9 and higher, 10.4.6 and higher):** 400 MHz Power PC G3 (v10.3.9 and higher, 10.4.6 and higher) or 1.83 GHz Intel Core Duo (10.4.6 and higher), 256 MB memory - 500 MB free hard disk space
• **Microsoft Internet Explorer 6.0 (Windows 2000, Windows XP); Internet Explorer 7.0 (Windows Vista)**
• **Quick Time 5.0 (Mac OS)**
• **Adobe Acrobat Reader 5 or later**

Recommended requirements

• **Windows 2000 Service Pack 4:** Intel Pentium III or higher processor, 200 MB RAM, 150 MB free hard disk space
• **Windows XP (32-bit):** Intel Pentium III or higher processor, 256 MB RAM, 370 MB free hard disk space
• **Microsoft® Windows® XP x64:** AMD Athlon 64, AMD Opteron, Intel Xeon processor with Intel EM64T support, or Intel Pentium 4 processor with Intel EM64T support, 256 MB RAM, 390 MB free hard disk space
• **Windows Vista:** 1 GHz 32-bit (x86) or 64-bit (x64) processor, 1 GB RAM, 1.2 GB free hard disk space
• **Mac OS X (10.3.9 and higher, 10.4.6 and higher):** 400 MHz Power PC G4 (v10.3.9 and higher, 10.4.6 and higher) or 1.83 GHz Intel Core Duo (10.4.6 and higher), 256 MB memory - 800 MB free hard disk space
• **Microsoft Internet Explorer 6.0 or later (Windows 2000, Windows XP); Internet Explorer 7.0 or later (Windows Vista)**

- **Quick Time 5.0 or later (Mac OS)**
- **Adobe Acrobat Reader 5 or later**

Print specifications

Black print resolution
Up to 1200 dpi with pigmented black ink

Color print resolution
HP enhanced photo quality with Vivera inks (up to 4800 by 1200 dpi Optimized on HP Premium Plus photo papers with 1200 x 1200 input dpi)

Copy specifications

- Digital image processing
- Up to 100 copies from original (varies by model)
- Digital zoom: from 25 to 400% (varies by model)
- Fit to page, pre-scan
- Copy speeds vary according to the complexity of the document

Mode	Type	Scan resolution (dpi)
Best	Black	up to 600 x 1200
	Color	up to 600 x 1200
Normal	Black	up to 300 x 300
	Color	up to 300 x 300
Fast	Black	up to 300 x 300
	Color	up to 300 x 300

Scan specifications

- Image editor included
- Integrated OCR software automatically converts scanned text to editable text
- Scan speeds vary according to the complexity of the document
- Twain-compliant interface
- Resolution: 2400 x 4800 ppi optical, up to 19,200 ppi enhanced
- Color: 16-bit per RGB color, 48-bit total
- Maximum scan size from glass: 216 x 297 mm (8.5 x 11.7 inches)

Environmental specifications

Operating environment
Operating temperature: 5° to 40° C (41° to 104° F)
Recommended operating conditions: 15° to 32° C (59° to 90° F)
Recommended relative humidity: 25 to 75% noncondensing

Storage environment
Storage temperature: -40° to 60° C (-40° to 140° F)
Storage relative humidity: Up to 90% noncondensing at a temperature of 65° C (150° F)

Electrical specifications

Power supply
Universal power adapter (external)

Power requirements
Input voltage: 100 to 240 VAC (± 10%), 50/60 Hz (± 3Hz)
Output voltage: 32 Vdc, 2500 mA

Power consumption
32 watts printing; 35 watts copying

Acoustic emission specifications (print in Draft mode, noise levels per ISO 7779)

Sound pressure (bystander position)
LpAd 55 (dBA)

Sound power
LwAd 6.9 (BA)

D Regulatory information

The device meets product requirements from regulatory agencies in your country/region.

This section contains the following topics:

- FCC statement
- Notice to users in Korea
- VCCI (Class B) compliance statement for users in Japan
- Notice to users in Japan about the power cord
- RoHS notices (China only)
- LED indicator statement
- Regulatory model number
- Declaration of conformity
- Environmental product stewardship program

FCC statement

FCC statement

The United States Federal Communications Commission (in 47 CFR 15.105) has specified that the following notice be brought to the attention of users of this product.

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

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

For further information, contact:
Manager of Corporate Product Regulations
Hewlett-Packard Company
3000 Hanover Street
Palo Alto, Ca 94304
(650) 857-1501

Modifications (part 15.21)

The FCC requires the user to be notified that any changes or modifications made to this device that are not expressly approved by HP may void the user's authority to operate the equipment.

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.

Notice to users in Korea

사용자 안내문(B급 기기)
이 기기는 비업무용으로 전자파 적합 등록을 받은 기기로서, 주거지역에서는 물론 모든 지역에서 사용할 수 있습니다.

VCCI (Class B) compliance statement for users in 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。

取り扱い説明書に従って正しい取り扱いをして下さい。

Notice to users in Japan about the power cord

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。

RoHS notices (China only)

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》

零件描述	有毒有害物质和元素					
	铅	汞	镉	六价铬	多溴联苯	多溴联苯醚
外壳和托盘*	O	O	O	O	O	O
电线*	O	O	O	O	O	O
印刷电路板*	X	O	O	O	O	O
打印系统*	X	O	O	O	O	O
显示器*	X	O	O	O	O	O
喷墨打印机墨盒*	O	O	O	O	O	O
驱动光盘*	X	O	O	O	O	O
扫描仪*	X	X	O	O	O	O
网络配件*	X	O	O	O	O	O
电池板*	X	O	O	O	O	O
自动双面打印系统*	O	O	O	O	O	O
外部电源*	X	O	O	O	O	O

O: 指此部件的所有均一材质中包含的这种有毒有害物质，含量低于SJ/T11363-2006 的限制
X: 指此部件使用的均一材质中至少有一种包含的这种有毒有害物质，含量高于SJ/T11363-2006 的限制
注：环保使用期限的参考标识取决于产品正常工作的温度和湿度等条件
*以上只适用于使用这些部件的产品

Toxic and hazardous substance table

LED indicator statement

LED indicator statement
The display LEDs meet the requirements of EN 60825-1.

Regulatory model number

For regulatory identification purposes, your product is assigned a Regulatory Model Number. The Regulatory Model Number for your product is SNPRC-0602-03. This regulatory number should not be confused with the marketing name (HP Officejet Pro L7400 All-in-One) or product number.

Declaration of conformity

DECLARATION OF CONFORMITY
according to ISO/IEC 17050-1 and EN 17050-1

Supplier's Name:	Hewlett-Packard Company **DoC#:** SNPRC-0602-03-A
Supplier's Address:	60, Alexandra Terrace, # 07-01 The Comtech, Singapore 118502

declares, that the product

Product Name:	HP Officejet Pro L7580 & HP Officejet Pro L7480
Regulatory Model Number:[1]	SNPRC-0602-03
Product Options:	All

conforms to the following Product Specifications and Regulations:

SAFETY: IEC 60950-1:2001 / EN60950-1:2001
EN 60825-1 1994+A1:2002+A2: 2001

EMC: CISPR 22:2005/ EN 55022: 2006 Class B
EN 55024:1998 +A1:2001 + A2:2003
EN 61000-3-2: 2000 + A2: 2005
EN 61000-3-3:1995 +A1: 2001
FCC CFR 47, Part 15 Class B / ICES-003, Issue 4 Class B

Supplementary Information:

1. This product is assigned a Regulatory Model Number which stays with the regulatory aspects of the design. The Regulatory Model Number is the main product identifier in the regulatory documentation and test reports, this number should not be confused with the marketing name or the product numbers.

2. The product herewith complies with the requirements of the Low Voltage Directive 2006/95/EC & the EMC Directive 2004/108/EC and carries the CE-marking accordingly. In addition, it complies with the WEEE Directive 2002/96/EC and RoHS Directive 2002/95/EC.

3. 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.

4. The product was tested in a typical configuration.

Singapore
14 May 2007

Chan Kum Yew , Director Quality
Imaging & Printing Manufacturing Operations

Local contact for regulatory topics only:
EMEA: Hewlett-Packard GmbH, HQ-TRE, Herrenberger Strasse 140, 71034 Boeblingen, Germany www.hp.com/go/certificates
USA : Hewlett-Packard, 3000 Hanover St., Palo Alto 94304, U.S.A. 650-857-1501

Environmental product stewardship program

Hewlett-Packard is committed to providing quality products in an environmentally sound manner. Design for recycling has been incorporated into this product. The number of materials has been kept to a minimum while ensuring proper functionality and reliability. Dissimilar materials have been designed to separate easily. Fasteners and other connections are easy to locate, access, and remove using common tools. High priority parts have been designed to access quickly for efficient disassembly and repair.

For more information, visit HP's Commitment to the Environment Web site at:

www.hp.com/hpinfo/globalcitizenship/environment/index.html

This section contains the following topics:

- Paper use
- Plastics
- Material safety data sheets
- Product restricted material
- Recycling program
- HP inkjet supplies recycling program
- Disposal of waste equipment by users in private households in the European Union
- Energy consumption

Paper use

This product is suited for the use of recycled paper according to DIN 19309 and EN 12281:2002.

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 product life.

Material safety data sheets

Material safety data sheets (MSDS) can be obtained from the HP Web site at:

www.hp.com/go/msds

Product restricted material

This HP product contains the following material that might require special handling at end-of-life:

Mercury in the fluorescent lamp in the scanner (< 1.5 mg)

Disposal of mercury can be regulated because of environmental considerations. For recycling information, contact http://www.hp.com/go/recycle, local authorities, or the Electronics Industries Alliance at http://www.eiae.org.

For more information, see Recycling program.

Recycling program

HP offers an increasing number of product return and recycling programs in many countries/ regions, and partners with some of the largest electronic recycling centers throughout the world. HP conserves resources by reselling some of its most popular products. For more information regarding recycling of HP products, please visit:

www.hp.com/hpinfo/globalcitizenship/environment/recycle/

HP inkjet supplies recycling program

HP is committed to protecting the environment. The HP Inkjet Supplies Recycling Program is available in many countries/regions, and lets you recycle used print cartridges and ink cartridges free of charge. For more information, go to the following Web site:

www.hp.com/hpinfo/globalcitizenship/environment/recycle/

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

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.

Évacuation des équipements usagés par les utilisateurs dans les foyers privés au sein de l'Union européenne
La présence de ce symbole sur le produit ou sur son emballage indique que vous ne pouvez pas vous débarrasser de ce produit de la même façon que vos déchets courants. Au contraire, vous êtes responsable de l'évacuation de vos équipements usagés et, à cet effet, vous êtes tenu de les remettre à un point de collecte agréé pour le recyclage des équipements électriques et électroniques usagés. Le tri, l'évacuation et le recyclage séparés de vos équipements usagés permettent de préserver les ressources naturelles et de s'assurer que ces équipements sont recyclés dans le respect de la santé humaine et de l'environnement. Pour plus d'informations sur les lieux de collecte des équipements usagés, veuillez contacter votre mairie, votre service de traitement des déchets ménagers ou le magasin où vous avez acheté le produit.

Entsorgung von Elektrogeräten durch Benutzer in privaten Haushalten in der EU
Dieses Symbol auf dem Produkt oder dessen Verpackung gibt an, dass das Produkt nicht zusammen mit dem Restmüll entsorgt werden darf. Es obliegt daher Ihrer Verantwortung, das Gerät an einer entsprechenden Stelle für die Entsorgung oder Wiederverwertung von Elektrogeräten aller Art abzugeben (z.B. ein Wertstoffhof). Die separate Sammlung und das Recyceln Ihrer alten Elektrogeräte zum Zeitpunkt ihrer Entsorgung trägt zum Schutz der Umwelt bei und gewährleistet, dass sie auf eine Art und Weise recycelt werden, die keine Gefährdung für die Gesundheit des Menschen und der Umwelt darstellt. Weitere Informationen darüber, wo Sie alte Elektrogeräte zum Recyceln abgeben können, erhalten Sie bei den örtlichen Behörden, Wertstoffhöfen oder dort, wo Sie das Gerät erworben haben.

Smaltimento di apparecchiature da rottamare da parte di privati nell'Unione Europea
Questo simbolo che appare sul prodotto o sulla confezione indica che il prodotto non deve essere smaltito assieme agli altri rifiuti domestici. Gli utenti devono provvedere allo smaltimento delle apparecchiature da rottamare portandole al luogo di raccolta indicato per il riciclaggio delle apparecchiature elettriche ed elettroniche. La raccolta e il riciclaggio separati delle apparecchiature da rottamare in fase di smaltimento favoriscono la conservazione delle risorse naturali e garantiscono che tali apparecchiature vengano rottamate nel rispetto dell'ambiente e della tutela della salute. Per ulteriori informazioni sui punti di raccolta delle apparecchiature da rottamare, contattare il proprio comune di residenza, il servizio di smaltimento dei rifiuti locale o il negozio in cui è stato acquistato il prodotto.

Eliminación de residuos de aparatos eléctricos y electrónicos por parte de usuarios domésticos en la Unión Europea
Este símbolo en el producto o en el embalaje indica que no se puede desechar el producto junto con los residuos domésticos. Por el contrario, si debe eliminar este tipo de residuo, es responsabilidad del usuario entregarlo en un punto de recogida designado de reciclado de aparatos electrónicos y eléctricos. El reciclaje y la recogida por separado de estos residuos en el momento de la eliminación ayudará a preservar recursos naturales y a garantizar que el reciclaje proteja la salud y el medio ambiente. Si desea información adicional sobre los lugares donde puede dejar estos residuos para su reciclado, póngase en contacto con las autoridades locales de su ciudad, con el servicio de gestión de residuos domésticos o con la tienda donde adquirió el producto.

Likvidace vysloužilého zařízení uživateli v domácnosti v zemích EU
Tato značka na produktu nebo na jeho obalu označuje, že tento produkt nesmí být likvidován prostým vyhozením do běžného domovního odpadu. Odpovídáte za to, že vysloužilé zařízení bude předáno k likvidaci do stanovených sběrných míst určených k recyklaci vysloužilých elektrických a elektronických zařízení. Likvidace vysloužilého zařízení samostatným sběrem a recyklací napomáhá zachování přírodních zdrojů a zajišťuje, že recyklace proběhne způsobem chránícím lidské zdraví a životní prostředí. Další informace o tom, kam můžete vysloužilé zařízení předat k recyklaci, můžete získat od úřadů místní samosprávy, od společnosti provádějící svoz a likvidaci domovního odpadu nebo v obchodě, kde jste produkt zakoupili.

Bortskaffelse af affaldsudstyr for brugere i private husholdninger i EU
Dette symbol på produktet eller på dets emballage indikerer, at produktet ikke må bortskaffes sammen med andet husholdningsaffald. I stedet er det dit ansvar at bortskaffe affaldsudstyr ved at aflevere det på dertil beregnede indsamlingssteder med henblik på genbrug af elektrisk og elektronisk affaldsudstyr. Den separate indsamling og genbrug af dit affaldsudstyr på tidspunktet for bortskaffelse er med til at bevare naturlige ressourcer og sikre, at genbrug finder sted på en måde, der beskytter menneskers helbred samt miljøet. Hvis du vil vide mere om, hvor du kan aflevere dit affaldsudstyr til genbrug, kan du kontakte kommunen, det lokale renovationsvæsen eller den forretning, hvor du købte produktet.

Afvoer van afgedankte apparatuur door gebruikers in particuliere huishoudens in de Europese Unie
Dit symbool op het product of de verpakking geeft aan dat dit product niet mag worden afgevoerd met het huishoudelijk afval. Het is uw verantwoordelijkheid uw afgedankte apparatuur af te leveren op een aangewezen inzamelpunt voor de verwerking van afgedankte elektrische en elektronische apparatuur. De gescheiden inzameling en verwerking van uw afgedankte apparatuur draagt bij tot het sparen van natuurlijke bronnen en tot het hergebruik van materiaal op een wijze die de volksgezondheid en het milieu beschermt. Voor meer informatie over waar u uw afgedankte apparatuur kunt inleveren voor recycling kunt u contact opnemen met het gemeentehuis in uw woonplaats, de reinigingsdienst of de winkel waar u het product hebt aangeschaft.

Eramajapidamistes kasutuselt kõrvaldatavate seadmete käitlemine Euroopa Liidus
Kui tootel või toote pakendil on see sümbol, ei tohi seda toodet visata olmejäätmete hulka. Teie kohus on viia tarbetuks muutunud seade selleks ettenähtud elektri- ja elektroonikaseadmete utiliseerimiskohta. Utiliseeritavate seadmete eraldi kogumine ja käitlemine aitab säästa loodusvarasid ning tagada, et käitlemine toimub inimeste tervisele ja keskkonnale ohutult. Lisateavet selle kohta, kuhu saate utiliseeritava seadme käitlemiseks viia, saate küsida kohalikust omavalitsusest, olmejäätmete utiliseerimispunktist või kauplusest, kust te seadme ostsite.

Hävitettävien laitteiden käsittely kotitalouksissa Euroopan unionin alueella
Tämä tuotteessa tai sen pakkauksessa oleva merkintä osoittaa, että tuotetta ei saa hävittää talousjätteiden mukana. Käyttäjän velvollisuus on huolehtia siitä, että hävitettävä laite toimitetaan sähkö- ja elektroniikkalaiteromun keräyspisteeseen. Hävitettävien laitteiden erillinen keräys ja kierrätys säästää luonnonvaroja. Näin toimimalla varmistetaan myös, että kierrätys tapahtuu tavalla, joka suojelee ihmisten terveyttä ja ympäristöä. Saat tarvittaessa lisätietoja jätteiden kierrätyspaikoista paikallisilta viranomaisilta, jäteyhtiöiltä tai tuotteen jälleenmyyjältä.

Απόρριψη άχρηστων συσκευών στην Ευρωπαϊκή Ένωση
Το παρόν σύμβολο στον εξοπλισμό ή στη συσκευασία του υποδεικνύει ότι το προϊόν αυτό δεν πρέπει να πεταχτεί μαζί με άλλα οικιακά απορρίμματα. Αντίθετα, ευθύνη σας είναι να απορρίψετε τις άχρηστες συσκευές σε μια καθορισμένη μονάδα συλλογής απορριμμάτων για την ανακύκλωση άχρηστου ηλεκτρικού και ηλεκτρονικού εξοπλισμού. Η χωριστή συλλογή και ανακύκλωση των άχρηστων συσκευών θα συμβάλει στη διατήρηση των φυσικών πόρων και στη διασφάλιση ότι θα ανακυκλωθούν με τέτοιον τρόπο, ώστε να προστατεύεται η υγεία των ανθρώπων και το περιβάλλον. Για περισσότερες πληροφορίες σχετικά με το πού μπορείτε να απορρίψετε τις άχρηστες συσκευές για ανακύκλωση, επικοινωνήστε με τις κατά τόπους αρμόδιες αρχές ή με το κατάστημα από το οποίο αγοράσατε το προϊόν.

A hulladékanyagok kezelése a magánháztartásokban az Európai Unióban
Ez a szimbólum, amely a terméken vagy annak csomagolásán van feltüntetve, azt jelzi, hogy a termék nem kezelhető együtt az egyéb háztartási hulladékkal. Az Ön feladata, hogy a készülék hulladékanyagait eljuttassa olyan kijelölt gyűjtőhelyre, amely az elektromos hulladékanyagok és az elektronikus berendezések újrahasznosításával foglalkozik. A hulladékanyagok elkülönített gyűjtése és újrahasznosítása hozzájárul a természeti erőforrások megőrzéséhez, egyúttal azt is biztosítja, hogy a hulladék újrahasznosítása az egészségre és a környezetre nem ártalmas módon történik. Ha tájékoztatást szeretne kapni azokról a helyekről, ahol leadhatja újrahasznosításra a hulladékanyagokat, forduljon a helyi önkormányzathoz, a háztartási hulladék begyűjtésével foglalkozó vállalathoz vagy a termék forgalmazójához.

Lietotāju atbrīvošanās no nederīgām ierīcēm Eiropas Savienības privātajās mājsaimniecībās
Šis simbols uz ierīces vai tās iepakojuma norāda, ka šo ierīci nedrīkst izmest kopā ar pārējiem mājsaimniecības atkritumiem. Jūs esat atbildīgs par atbrīvošanos no nederīgās ierīces, to nododot norādītajā savākšanas vietā, lai tiktu veikta nederīgā elektriskā un elektroniskā aprīkojuma otrreizējā pārstrāde. Speciāla nederīgās ierīces savākšana un otrreizējā pārstrāde palīdz taupīt dabas resursus un nodrošina tādu otrreizējo pārstrādi, kas sargā cilvēku veselību un apkārtējo vidi. Lai iegūtu papildu informāciju par to, kur otrreizējai pārstrādei var nogādāt nederīgo ierīci, lūdzu, sazinieties ar vietējo pašvaldību, mājsaimniecības atkritumu savākšanas dienestu vai veikalu, kurā iegādājāties šo ierīci.

Europos Sąjungos vartotojų ir privačių namų ūkių atliekamos įrangos išmetimas
Šis simbolis ant produkto arba jo pakuotės nurodo, kad produktas negali būti išmestas kartu su kitomis namų ūkio atliekomis. Jūs privalote išmesti savo atliekamą įrangą atiduodami ją į atliekamos elektronikos ir elektros įrangos perdirbimo punktus. Jei atliekama įranga bus atskirai surenkama ir perdirbama, bus išsaugomi natūralūs ištekliai ir užtikrinama, kad įranga yra perdirbta žmogaus sveikatą ir gamtą tausojančiu būdu. Dėl informacijos apie tai, kur galite išmesti atliekamą perdirbti skirtą įrangą kreipkitės į atitinkamą vietos tarnybą, namų ūkio atliekų išvežimo tarnybą arba į parduotuvę, kurioje pirkote produktą.

Utylizacja zużytego sprzętu przez użytkowników domowych w Unii Europejskiej
Symbol ten umieszczony na produkcie lub opakowaniu oznacza, że tego produktu nie należy wyrzucać razem z innymi odpadami domowymi. Użytkownik jest odpowiedzialny za dostarczenie zużytego sprzętu do wyznaczonego punktu gromadzenia zużytych urządzeń elektrycznych i elektronicznych. Gromadzenie osobno i recykling tego typu odpadów przyczynia się do ochrony zasobów naturalnych i jest bezpieczny dla zdrowia i środowiska naturalnego. Dalsze informacje na temat sposobu utylizacji zużytych urządzeń można uzyskać u odpowiednich władz lokalnych, w przedsiębiorstwie zajmującym się usuwaniem odpadów lub w miejscu zakupu produktu.

Descarte de equipamentos por usuários em residências da União Européia
Este símbolo no produto ou na embalagem indica que o produto não pode ser descartado junto com o lixo doméstico. No entanto, é sua responsabilidade levar os equipamentos a serem descartados a um ponto de coleta designado para a reciclagem de equipamentos eletro-eletrônicos. A coleta separada e o reciclagem dos equipamentos no momento do descarte ajudam na conservação dos recursos naturais e garantem que os equipamentos serão reciclados de forma a proteger a saúde das pessoas e o meio ambiente. Para obter mais informações sobre onde descartar equipamentos para reciclagem, entre em contato com o escritório local de sua cidade, o serviço de limpeza pública de seu bairro ou a loja em que adquiriu o produto.

Postup používateľov v krajinách Európskej únie pri vyhadzovaní zariadenia v domácom používaní do odpadu
Tento symbol na produkte alebo na jeho obale znamená, že nesmie byť vyhodený s iným komunálnym odpadom. Namiesto toho máte povinnosť odovzdať toto zariadenie na zbernom mieste, kde sa zabezpečuje recyklácia elektrických a elektronických zariadení. Separovaný zber a recyklácia zariadenia určeného na odpad pomôže chrániť prírodné zdroje a zabezpečí taký spôsob recyklácie, ktorý bude chrániť ľudské zdravie a životné prostredie. Ďalšie informácie o separovanom zbere a recyklácii získate na miestnom obecnom úrade, vo firme zabezpečujúcej zber vášho komunálneho odpadu alebo v predajni, kde ste produkt kúpili.

Ravnanje z odpadno opremo v gospodinjstvih znotraj Evropske unije
Ta znak na izdelku ali embalaži izdelka pomeni, da izdelka ne smete odlagati skupaj z drugimi gospodinjskimi odpadki. Odpadno opremo ste dolžni oddati na določenem zbirnem mestu za recikliranje odpadne električne in elektronske opreme. Z ločenim zbiranjem in recikliranjem odpadne opreme ob odlaganju boste pomagali ohraniti naravne vire in zagotovili, da bo odpadna oprema reciklirana tako, da se varuje zdravje ljudi in okolje. Več informacij o mestih, kjer lahko oddate odpadno opremo za recikliranje, lahko dobite na občini, v komunalnem podjetju ali trgovini, kjer ste izdelek kupili.

Kassering av förbrukningsmaterial, för hem- och privatanvändare i EU
Produkter eller produktförpackningar med den här symbolen får inte kasseras med vanligt hushållsavfall. I stället har du ansvar för att produkten lämnas till en behörig återvinningsstation för hantering av el- och elektronikprodukter. Genom att lämna kasserade produkter till återvinning hjälper du till att bevara våra gemensamma naturresurser. Dessutom skyddas både människor och miljön när produkter återvinns på rätt sätt. Kommunala myndigheter, sophanteringsföretag eller butiken där varan köptes kan ge mer information om var du lämnar kasserade produkter för återvinning.

Energy consumption

This product is designed to reduce power consumption and save natural resources without compromising product performance. It has been designed to reduce total energy consumption both during operation and when the device is not active. Specific information on power consumption may be found in the printed documentation that came with the device.

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