

HP Deskjet F4500 All-in-One series



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1 How Do I?

Learn how to use your HP All-in-One

- [Wireless Connection using a WPS enabled router](#)
- [Copy text or mixed documents](#)
- [Scan to a computer](#)
- [Load media](#)
- [Replace the cartridges](#)

2 Finish setting up the HP All-in-One

- [Wireless Connection using a WPS enabled router](#)
- [Traditional Wireless Connection](#)
- [USB Connection](#)
- [Install the software for a network connection](#)

Wireless Connection using a WPS enabled router

To connect the HP All-in-One to a wireless network using WiFi Protected Setup (WPS), you will need the following:


- ❑ A wireless 802.11 network that includes a WPS-enabled wireless router or access point.
- ❑ A desktop computer or laptop with either wireless networking support, or a network interface card (NIC). The computer must be connected to the wireless network that you intend to install the HP All-in-One on.

Wireless Connection using a WPS enabled router

- ▲ Do one of the following:

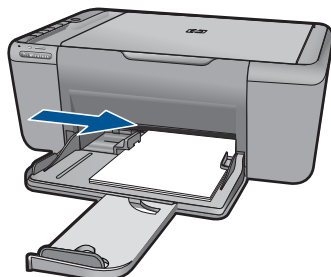
Use Push Button (PBC) method if your router has a WPS button

- Set up wireless connection.
 - ❑ Press and hold the **Wireless** button for two seconds.
 - ❑ Press the corresponding button on the WPS-enabled router or other networking device.
 - ❑ The Wireless icon and signal strength bar appear solid on successful configuration of the wireless network.
- Install Software.


 **NOTE:** The product begins a timer for approximately two minutes in which the corresponding button on the networking device needs to be pressed.

Use PIN method if your WPS enabled router does not have a WPS button

- a. Load paper.
 - Insert stack of paper into paper tray with short edge forward and print side down.
 - Slide stack of paper forward until it stops.
 - Slide paper-width guide to the right until it stops at edge of paper.



- b. Print WPS PIN.
 - Press and hold the **Scan** button for two seconds.
 - Wireless test starts.
 - Wireless test report and Network Configuration report are printed automatically.
- c. Set up wireless connection.
 - Press and hold the **Wireless** button for two seconds.
 - Enter the PIN on a computer for the router.
 - The Wireless icon and signal strength bar appear solid on successful configuration of the wireless network.
- d. Install software

 **NOTE:** The product begins a timer for approximately two minutes in which the corresponding button on the networking device needs to be pressed.

Related topics

[Install the software for a network connection](#)

Test wireless setup and print network configuration page

The wireless network test performs a series of diagnostic tests to determine whether network setup is successful. You can print the wireless network test at any time.

You can print a network configuration page to see network settings such as the IP address, communication mode, and network name (SSID).

To print the network configuration page

- ▲ Press and hold the **Scan** button to initiate the wireless test and print the Network Configuration and Network Test pages.

You can also change the printer's default language, using the HP Solution Center, to print the Network Configuration Page and Network Test Report in your desired language.

Change the default language using HP Solution Center

1. Connect the product to the computer.
2. Open HP Solution Center to access the embedded web server.
 - a. Click **Start**, and then **Programs**.
 - b. Click HP Deskjet F4500 All-in-One series, and then click **Solution Center**.
 - c. In the HP Solution Center, click **Settings**.
 - d. On the **Settings** page, click **Network Configuration**. The embedded web server window opens.
 - e. Click **Settings**.
 - f. In the **Preferences** area, click **International**.
 - g. Select the desired language, and then click **Apply**.

Traditional Wireless Connection

To connect the HP All-in-One to an integrated wireless WLAN 802.11 network, you will need the following:

- A wireless 802.11 network that includes a wireless router or access point.
If you connect the HP All-in-One on a wireless network that has Internet access, HP recommends that you use a wireless router (access point or base station) that uses Dynamic Host Configuration Protocol (DHCP).
- A desktop computer or laptop with either wireless networking support, or a network interface card (NIC). The computer must be connected to the wireless network that you intend to install the HP All-in-One on.
- Network name (SSID).
- WEP key or WPA Passphrase (if needed).

To connect the product

1. Insert the product Software CD in the computer CD-ROM drive.
2. Follow the instructions on the screen.
When you are prompted, connect the product to the computer using the USB setup cable included in the box. The product will attempt to connect to the network. If the connection fails, follow the prompts to correct the problem, and then try again.
3. When the setup is finished, you will be prompted to disconnect the USB cable and test the wireless network connection. Once the product connects successfully to the network, install the software on each computer that will use the product over the network.

Related topics


[Install the software for a network connection](#)

USB Connection

The HP All-in-One supports a rear USB 2.0 High Speed port for connection to a computer.

To connect the product with the USB cable

- ▲ Refer to the setup instructions that came with your product for information on connecting to a computer with a USB cable.


 **NOTE:** Do not connect the USB cable to the product until you are prompted to do so.

To enable printer sharing on a Windows computer

- ▲ Refer to the user guide that came with your computer or see the Windows onscreen Help.

Install the software for a network connection


Use this section to install the HP Photosmart software on a computer connected to a network. Before you install the software, make sure you have connected the HP All-in-One to a network. If the HP All-in-One has not been connected to a network, follow the onscreen instructions during the software installation to connect the product to the network.

 **NOTE:** If your computer is configured to connect to a series of network drives, make sure that your computer is currently connected to these drives before installing the software. Otherwise, the HP Photosmart software installer might try to use one of the reserved drive letters and you will not be able to access that network drive on your computer.

NOTE: Installation time can range from 20 to 45 minutes depending on your operating system, the amount of available space, and the processor speed of your computer.

To install the Windows HP Photosmart Software on a networked computer

1. Quit all applications running on your computer.
2. Insert the Windows CD that came with the product into the CD-ROM drive on your computer and follow the onscreen instructions.

 **NOTE:** If the HP All-in-One is not connected to a network, connect the product to the computer using the USB setup cable included in the box. Do not connect the USB setup cable to the computer **until** prompted. The product will then attempt to connect to the network.

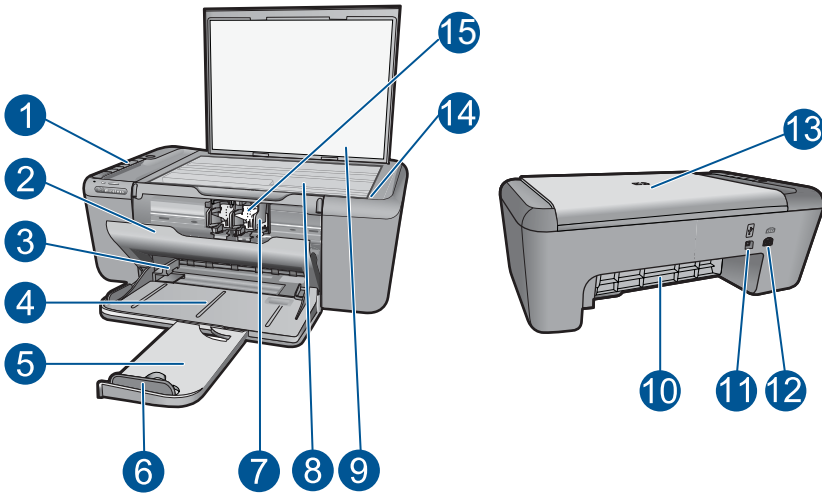
3. If a dialog box about firewalls appears, follow the instructions. If you see firewall pop-up messages, you must always accept or allow the pop-up messages.
4. On the **Connection Type** screen, select an appropriate option, and then click **Next**. The **Searching** screen appears as the Setup program searches for the product on the network.
5. On the **Printer Found** screen, verify that the printer description is correct. If more than one printer is found on the network, the **Printers Found** screen appears. Select the product you want to connect.

6. Follow the prompts to install the software.
When you have finished installing the software, the product is ready for use.
7. To test your network connection, go to your computer and print a self-test report to the product.

3 Get to know the HP All-in-One

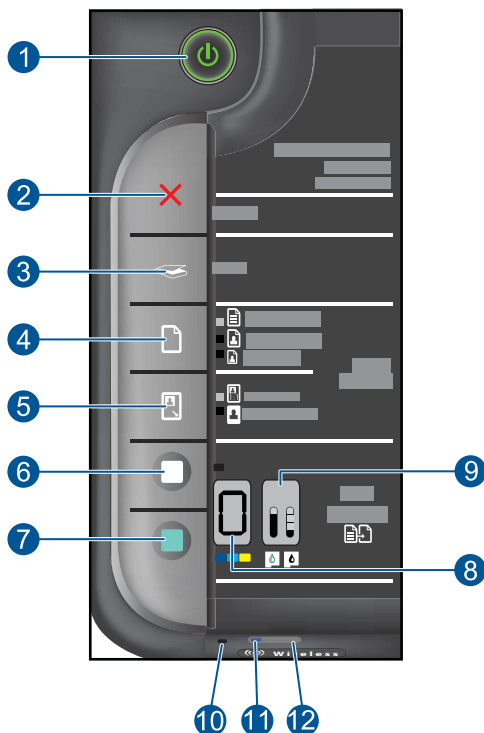
- [Printer parts](#)
- [Control panel features](#)

Printer parts



1	Control panel
2	Cartridge door
3	Paper-width guide for paper tray
4	Paper tray
5	Paper tray extender (also referred to as the tray extender)
6	Paper stop
7	Carriage
8	Glass
9	Lid backing
10	Rear access door
11	Rear USB port
12	Power connection (Use only with the power adapter supplied by HP.)
13	Lid
14	Load original label
15	Print cartridges

Control panel features



1	On: Turns the product on or off. When the product is off, a minimal amount of power is still used. To completely remove power, turn off the product, then unplug the power cord.
2	Cancel: Stops the current operation.
3	Scan: Starts a scan of an original placed on the glass. Press and hold for two seconds to begin wireless test.
4	Paper Selection: Changes the paper type setting for copying to either plain or photo paper. The Paper Selection lights indicate the currently selected paper size and type as Plain Letter or A4, Large Photo or Small Photo .
5	Actual Size/Resize to Fit: Scales the original to the maximum size to fit within the margins of the selected paper size for copying.
6	Start Copy Black: Starts a black-and-white copy job.
7	Start Copy Color: Starts a color copy job.
8	Number of Copies LCD: Displays the number of copies to be made. Also displays a warning when the device is out of paper.
9	Ink Level Indicator Light: Show ink level information for each print cartridge, four indicators for the tri-color cartridge and four indicators for the black cartridge. Also displays a warning for print cartridge problems.
10	Attention light: Flashing if there is an error or if some user action is required.
11	Wireless indicator light: Indicates that the wireless radio is on.
12	Wireless button: Turns the wireless radio on or off.

4 Print

Choose a print job to continue.



[Print documents](#)



[Print photos](#)



[Print envelopes](#)



[Print on specialty media](#)



[Print a Web page](#)

Related topics

- [Load media](#)
- [Recommended papers for printing](#)

Print documents

Most print settings are automatically handled by the software application. You need to change the settings manually only when you change print quality, print on specific types of paper or transparency film, or use special features.


To print from a software application

1. Make sure you have paper loaded in the paper tray.
2. On the **File** menu in your software application, click **Print**.
3. Make sure the product is the selected printer.
4. If you need to change settings, click the button that opens the **Properties** dialog box. Depending on your software application, this button might be called **Properties**, **Options**, **Printer Setup**, **Printer**, or **Preferences**.



NOTE: When printing a photo, you must select options for the specific photo paper and photo enhancement.

5. Select the appropriate options for your print job by using the features available in the **Advanced**, **Printing Shortcuts**, **Features**, and **Color** tabs.

 **TIP:** You can easily select the appropriate options for your print job by choosing one of the predefined print tasks on the **Printing Shortcuts** tab. Click a type of print task in the **Printing Shortcuts** list. The default settings for that type of print task are set and summarized on the **Printing Shortcuts** tab. If necessary, you can adjust the settings here and save your custom settings as a new printing shortcut. To save a custom printing shortcut, select the shortcut and click **Save As**. To delete a shortcut, select the shortcut and click **Delete**.

6. Click **OK** to close the **Properties** dialog box.
7. Click **Print** or **OK** to begin printing.

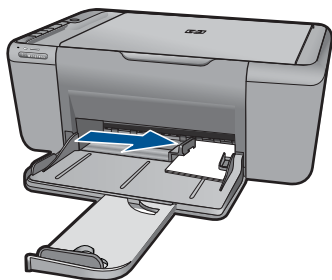
Related topics

- [Recommended papers for printing](#)
- [Load media](#)
- [View the print resolution](#)
- [Use printing shortcuts](#)
- [Set the default print settings](#)
- [Stop the current job](#)

Print photos

To print a photo on photo paper

1. Remove all paper from the input tray, and then load the photo paper print side down.



2. On the **File** menu in your software application, click **Print**.
3. Make sure the product is the selected printer.
4. Click the button that opens the **Properties** dialog box. Depending on your software application, this button might be called **Properties**, **Options**, **Printer Setup**, **Printer**, or **Preferences**.
5. Click the **Features** tab.
6. In the **Basic Options** area, select the appropriate photo paper type from the **Paper Type** drop-down list.

7. In the **Resizing Options** area, click the appropriate paper size from the **Size** list. If the paper size and paper type are not compatible, the product software displays an alert and allows you to select a different type or size.
8. In the **Basic Options** area, select a high print quality, such as **Best**, from the **Print Quality** drop-down list.



NOTE: For maximum dpi resolution, go to the **Advanced** tab, and then select **Enabled** from the **Maximum dpi** drop-down list. For more information, see [Print using the maximum dpi](#).

9. Click **OK** to return to the **Properties** dialog box.
10. (Optional) If you want to print the photo in black and white, click the **Color** tab and select the **Print in grayscale** check box. From the drop-down list, select one of the following options:
 - **High Quality:** uses all the available colors to print your photo in grayscale. This creates smooth and natural shades of gray.
 - **Black Ink Only:** uses black ink to print your photo in grayscale. The gray shading is created by varying patterns of black dots, which might result in a grainy image.
11. Click **OK**, and then click **Print** or **OK** in the **Print** dialog box.



NOTE: Do not leave unused photo paper in the input tray. The paper might start to curl, which could reduce the quality of your printout. Photo paper should be flat before printing.


To print a borderless image

1. Remove all paper from the input tray.
2. Place the photo paper print side down on the right side of the input tray.
3. On the **File** menu in your software application, click **Print**.
4. Make sure the product is the selected printer.
5. Click the button that opens the **Properties** dialog box. Depending on your software application, this button might be called **Properties**, **Options**, **Printer Setup**, **Printer**, or **Preferences**.
6. Click the **Features** tab.
7. In the **Size** list, click the size of photo paper loaded in the input tray. If a borderless image can be printed on the specified size, the **Borderless printing** check box is enabled.
8. In the **Paper Type** drop-down list, click **More**, and then select the appropriate paper type.



NOTE: You cannot print a borderless image if the paper type is set to **Plain paper** or to a type of paper other than a photo paper.

9. Select the **Borderless printing** check box if it is not already checked.
If the borderless paper size and paper type are not compatible, the product software displays an alert and allows you to select a different type or size.
10. Click **OK**, and then click **Print** or **OK** in the **Print** dialog box.


 **NOTE:** Do not leave unused photo paper in the input tray. The paper might start to curl, which could reduce the quality of your printout. Photo paper should be flat before printing.

Related topics

- [Load media](#)
- [Print using the maximum dpi](#)
- [View the print resolution](#)
- [Use printing shortcuts](#)
- [Set the default print settings](#)
- [Stop the current job](#)

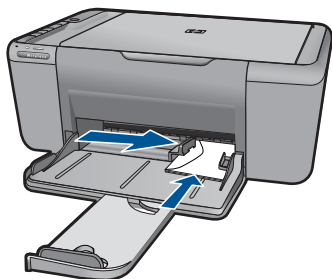
Print envelopes

You can load one or more envelopes into the paper tray of the HP All-in-One. Do not use shiny or embossed envelopes or envelopes that have clasps or windows.

 **NOTE:** For specific details on how to format text for printing on envelopes, consult the help files in your word processing software. For best results, consider using a label for the return address on envelopes.

To print envelopes

1. Slide the paper guide all the way to the left.
2. Place the envelopes in the right side of the tray. The side to be printed on should face down. The flap should be on the left side.
3. Push the envelopes into the printer until they stop.
4. Slide the paper guide firmly against the edge of the envelopes.



5. Open the **Printer Properties** dialog box.

6. Click the **Features** tab, and then select the following print settings:
 - **Paper Type: Plain paper**
 - **Size:** An appropriate envelope size
7. Select any other print settings that you want, and then click **OK**.

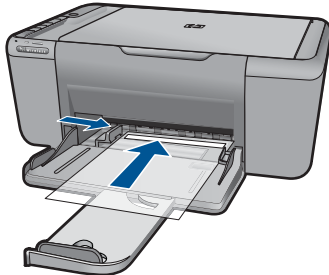
Related topics

- [Load media](#)
- [View the print resolution](#)
- [Use printing shortcuts](#)
- [Set the default print settings](#)
- [Stop the current job](#)

Print on specialty media

Print transparencies

1. Slide the paper guide all the way to the left.
2. Place the transparencies in the right side of the tray. The side to be printed should face down and the adhesive strip should face up and toward the printer.
3. Carefully push the transparencies into the printer until they stop, so that the adhesive strips do not catch on one another.
4. Slide the paper guide firmly against the edge of the transparencies.

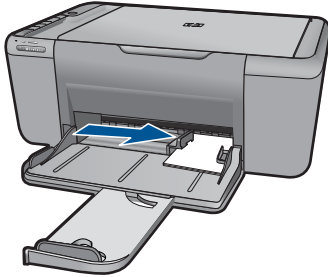


5. Open the **Printer Properties** dialog box.
6. Click the **Printing Shortcuts** tab.
7. In the **Printing Shortcuts** list, click **Presentation Printing**, and then specify the following print settings:
 - **Paper Type:** Click **More**, and then select an appropriate transparency film.
 - **Paper Size:** An appropriate paper size
8. Select any other print settings that you want, and then click **OK**.

Print postcards

1. Slide the paper guide all the way to the left.
2. Place the cards in the right side of the tray. The side to be printed on should face down and the short edge should point toward the printer.

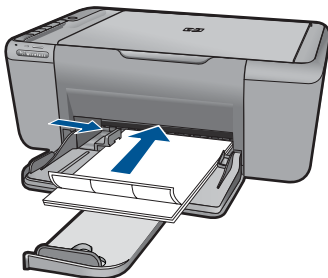
3. Push the cards into the printer until they stop.
4. Slide the paper guide firmly against the edge of the cards.



5. Open the **Printer Properties** dialog box.
6. Click the **Features** tab, and then specify the following print settings:
 - **Paper Type:** Click **More**, click **Specialty Papers**, and then select an appropriate card type.
 - **Print Quality:** **Normal** or **Best**
 - **Size:** An appropriate card size
7. Select any other print settings that you want, and then click **OK**.

Print labels

1. Slide the paper guide all the way to the left.
2. Fan the edges of the label sheets to separate them, and then align the edges.
3. Place the label sheets in the right side of the tray. The label side should face down.
4. Push the sheets into the printer until they stop.
5. Slide the paper guide firmly against the edge of the sheets.

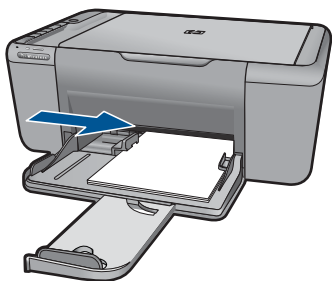


6. Open the **Printer Properties** dialog box.
7. Click the **Printing Shortcuts** tab.

8. In the **Printing Shortcuts** list, click **General Everyday Printing**, and then specify the following print settings:
 - **Paper Type: Plain Paper**
 - **Paper Size:** An appropriate paper size
9. Click **OK**.

Print brochures

1. Slide the paper guide all the way to the left.
2. Place the paper in the right side of the tray. The side to be printed on should face down.
3. Push the paper into the printer until it stops.
4. Slide the paper guide firmly against the edge of the paper.

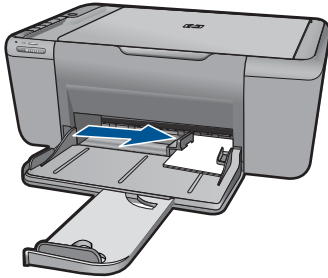


5. Open the **Printer Properties** dialog box.
6. Click the **Features** tab.
7. Specify the following print settings:
 - **Print Quality: Best**
 - **Paper Type:** Click **More**, and then select an appropriate HP inkjet paper.
 - **Orientation: Portrait or Landscape**
 - **Size:** An appropriate paper size
 - **Two-sided printing: Manual**
8. Click **OK** to print.

Print greeting cards

1. Slide the paper guide all the way to the left.
2. Fan the edges of the greeting cards to separate them, and then align the edges.
3. Place the greeting cards in the right side of the tray. The side to be printed on should face down.
4. Push the cards into the printer until they stop.

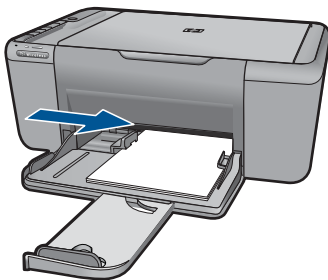
- Slide the paper guide firmly against the edge of the cards.



- Open the **Printer Properties** dialog box.
- Click the **Features** tab, and then specify the following print settings:
 - Print Quality:** **Normal**
 - Paper Type:** Click **More**, and then select an appropriate card type.
 - Size:** An appropriate card size
- Select any other print settings that you want, and then click **OK**.

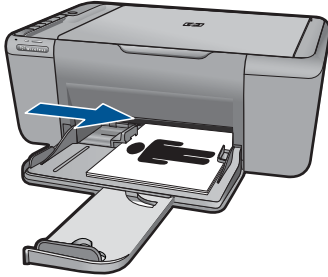
Print booklets

- Slide the paper guide all the way to the left.
- Place plain paper in the right side of the tray. The side to be printed on should face down.
- Push the paper into the printer until it stops.
- Slide the paper guide firmly against the edge of the paper.



- Open the **Printer Properties** dialog box.
- Click the **Printing Shortcuts** tab.
- In the **Printing Shortcuts** list, click **Booklet Printing**.
- In the **Print On Both Sides** drop-down list, select one of the following binding options:
 - Left Edge Booklet**
 - Right Edge Booklet**
- Select any other print settings that you want, and then click **OK**.

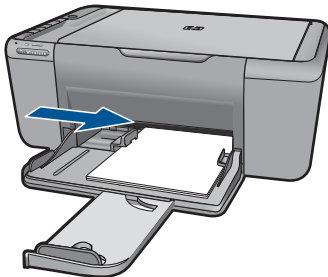
10. When prompted, reload the printed pages in the paper tray as shown below.



11. Click **Continue** to finish printing the booklet.

Print posters

1. Slide the paper guide all the way to the left.
2. Place plain paper in the right side of the tray. The side to be printed on should face down.
3. Push the paper into the printer until it stops.
4. Slide the paper guide firmly against the edge of the paper.



5. Open the **Printer Properties** dialog box.
6. Click the **Features** tab, and then specify the following print settings:
 - **Paper Type:** Plain Paper
 - **Orientation:** Portrait or Landscape
 - **Size:** An appropriate paper size
7. Click the **Advanced** tab, and then click **Printer Features**.
8. In the **Poster Printing** drop-down list, select the number of sheets for the poster.
9. Click the **Select Tiles** button.
10. Check that the number of tiles that are selected matches the number of sheets for the poster, and then click **OK**.



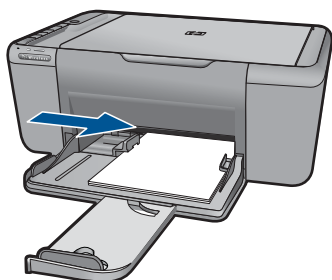
11. Select any other print settings that you want, and then click **OK**.

Print iron-on transfers

1. Slide the paper guide all the way to the left.
2. Place the iron-on transfer paper in the right side of the tray. The side to be printed on should face down.



3. Push the paper into the printer until it stops.
4. Slide the paper guide firmly against the edge of the paper.



5. Open the **Printer Properties** dialog box.
6. Click the **Features** tab, and then specify the following print settings:
 - **Print Quality:** **Normal** or **Best**
 - **Paper Type:** Click **More**, click **Specialty Papers**, and then click **Other specialty paper**.
 - **Size:** An appropriate paper size
7. Click the **Advanced** tab.
8. Click **Printer Features**, and then set **Mirror Image** to **On**.



NOTE: Some iron-on transfer software programs do not require you to print a mirror image.

9. Select any other print settings that you want, and then click **OK**.

Related topics

- [Recommended papers for printing](#)
- [Load media](#)
- [Use printing shortcuts](#)
- [Set the default print settings](#)
- [Stop the current job](#)

Print a Web page

You can print a Web page from your Web browser on the HP All-in-One.

If you use Internet Explorer (6.0 or higher) or Firefox (2.0 or higher) for Web browsing, you can use **HP Smart Web Printing** to ensure simple, predictable web printing with control over what you want and how you want it printed. You can access **HP Smart Web Printing** from the toolbar in Internet Explorer. For more information about **HP Smart Web Printing**, see the help file provided with it.

To print a Web page

1. Make sure you have paper loaded in the paper tray.
2. On the **File** menu in your Web browser, click **Print**.


 **TIP:** For best results, select **HP Smart Web Printing** on the **File** menu. A check mark appears when it is selected.

The **Print** dialog box appears.

3. Make sure the product is the selected printer.
4. If your Web browser supports it, select the items on the Web page that you want to include in the printout.

For example, in Internet Explorer, click the **Options** tab to select options such as **As laid out on screen**, **Only the selected frame**, and **Print all linked documents**.

5. Click **Print** or **OK** to print the Web page.

 **TIP:** To print Web pages correctly, you might need to set your print orientation to **Landscape**.

Related topics

- [Recommended papers for printing](#)
- [Load media](#)
- [View the print resolution](#)
- [Use printing shortcuts](#)
- [Set the default print settings](#)
- [Stop the current job](#)

Print using the maximum dpi

Use maximum dpi mode to print high-quality, sharp images.

To get the most benefit from maximum dpi mode, use it to print high-quality images such as digital photographs. When you select the maximum dpi setting, the printer software displays the optimized dots per inch (dpi) that the HP All-in-One printer will print. Printing in maximum dpi is supported on the following paper-types only:

- HP Premium Plus Photo Paper
- HP Premium Photo Paper
- HP Advanced Photo Paper
- Photo Hagaki

Printing in maximum dpi takes longer than printing with other settings and requires a large amount of disk space.

To print in Maximum dpi mode

1. Make sure you have paper loaded in the paper tray.
2. On the **File** menu in your software application, click **Print**.
3. Make sure the product is the selected printer.
4. Click the button that opens the **Properties** dialog box.
Depending on your software application, this button might be called **Properties**, **Options**, **Printer Setup**, **Printer**, or **Preferences**.
5. Click the **Advanced** tab.
6. In the **Printer Features** area, select **Enabled** from the **Maximum dpi** drop-down list.
7. Click the **Features** tab.
8. In the **Paper Type** drop-down list, click **More**, and then select the appropriate paper type.
9. In the **Print Quality** drop-down list, click **Maximum dpi**.



NOTE: To view the maximum dpi that the product will print, click **Resolution**.

10. Select any other print settings that you want, and then click **OK**.

Related topics

[View the print resolution](#)

View the print resolution

The printer software displays the print resolution in dots per inch (dpi). The dpi varies according to the paper type and print quality that you select in the printer software.

To view the print resolution

1. On the **File** menu in your software application, click **Print**.
2. Make sure the product is the selected printer.
3. Click the button that opens the **Properties** dialog box.
Depending on your software application, this button might be called **Properties**, **Options**, **Printer Setup**, **Printer**, or **Preferences**.
4. Click the **Features** tab.
5. In the **Paper Type** drop-down list, select the type of paper that you have loaded.
6. In the **Print Quality** drop-down list, select the appropriate print quality setting for your project.
7. Click the **Resolution** button to view the print resolution dpi for the paper type and print quality combination you selected.

Use printing shortcuts

Use printing shortcuts to print with print settings that you use often. The printer software has several specially designed printing shortcuts that are available in the Printing Shortcuts list.



NOTE: When you select a printing shortcut the appropriate printing options are automatically displayed. You can leave them as is, change them, or create your own shortcuts for commonly used tasks.

Use the Printing Shortcuts tab for the following print tasks:

- **General Everyday Printing:** Print documents quickly.
- **Photo Printing–Borderless:** Print to the top, bottom, and side edges of 10 x 15 cm (4 x 6 inch) and 13 x 18 cm (5 x 7 inch) HP Photo Papers.
- **Paper-saving Printing:** Print two-sided documents with multiple pages on same sheet to reduce paper usage.
- **Photo Printing–With White Borders:** Print a photo with a white border around the edges.
- **Fast/Economical Printing:** Produce draft-quality printouts quickly.
- **Presentation Printing:** Print high-quality documents, including letters and transparencies.

To create a printing shortcut

1. On the **File** menu in your software application, click **Print**.
2. Make sure the product is the selected printer.
3. Click the button that opens the **Properties** dialog box.
Depending on your software application, this button might be called **Properties**, **Options**, **Printer Setup**, **Printer**, or **Preferences**.
4. Click the **Printing Shortcuts** tab.
5. In the **Printing Shortcuts** list, click a printing shortcut.
The print settings for the selected printing shortcut are displayed.
6. Change the print settings to those you want in the new printing shortcut.
7. Click **Save as** and type a name for the new printing shortcut, and then click **Save**.
The printing shortcut is added to the list.

To delete a printing shortcut

1. On the **File** menu in your software application, click **Print**.
2. Make sure the product is the selected printer.
3. Click the button that opens the **Properties** dialog box.
Depending on your software application, this button might be called **Properties**, **Options**, **Printer Setup**, **Printer**, or **Preferences**.
4. Click the **Printing Shortcuts** tab.
5. In the **Printing Shortcuts** list, click the printing shortcut that you want to delete.
6. Click **Delete**.
The printing shortcut is removed from the list.



NOTE: Only the shortcuts that you have created can be deleted. The original HP shortcuts cannot be deleted.

Set the default print settings

If there are settings that you frequently use for printing, you might want to make them the default print settings so they are already set when you open the **Print** dialog box from within your software application.

To change the default print settings

1. In the HP Solution Center, click **Settings**, point to **Print Settings**, and then click **Printer Settings**.
2. Make changes to the print settings, and click **OK**.

5 Paper basics

You can load many different types and sizes of paper in the HP All-in-One, including letter or A4 paper, photo paper, transparencies, and envelopes.

This section contains the following topics:

- [Recommended papers for printing](#)
- [Load media](#)

Recommended papers for printing

If you want the best print quality, HP recommends using HP papers that are specifically designed for the type of project you are printing.

Depending on your country/region, some of these papers might not be available.

HP Advanced Photo Paper

This thick photo paper features an instant-dry finish for easy handling without smudging. It resists water, smears, fingerprints, and humidity. Your prints have a look and feel comparable to a store-processed photo. It is available in several sizes, including A4, 8.5 x 11 inch, 10 x 15 cm (4 x 6 inch) (with or without tabs), 13 x 18 cm (5 x 7 inch), and two finishes - glossy or soft gloss (satin matte). It is acid-free for longer lasting documents.

HP Everyday Photo Paper

Print colorful, everyday snapshots at a low cost, using paper designed for casual photo printing. This affordable, photo paper dries quickly for easy handling. Get sharp, crisp images when you use this paper with any inkjet printer. It is available in semi-gloss finish in several sizes, including A4, 8.5 x 11 inch, and 10 x 15 cm (4 x 6 inch) (with or without tabs). For longer-lasting photos, it is acid-free.

HP Brochure Paper or HP Superior Inkjet Paper

These papers are glossy-coated or matte-coated on both sides for two-sided use. They are the perfect choice for near-photographic reproductions and business graphics for report covers, special presentations, brochures, mailers, and calendars.

HP Premium Presentation Paper or HP Professional Paper

These papers are heavy two-sided matte papers perfect for presentation, proposals, reports, and newsletters. They are heavyweight for an impressive look and feel.

HP Bright White Inkjet Paper

HP Bright White Inkjet Paper delivers high-contrast colors and sharp text. It is opaque enough for two-sided color usage with no show-through, which makes it ideal for newsletters, reports, and flyers. It features ColorLok Technology for less smearing, bolder blacks, and vivid colors.

HP Printing Paper

HP Printing Paper is a high-quality multifunction paper. It produces documents that look and feel more substantial than documents printed on standard multipurpose or copy

paper. It features ColorLok Technology for less smearing, bolder blacks, and vivid colors. It is acid-free for longer lasting documents.

HP Office Paper

HP Office Paper is a high-quality multifunction paper. It is suitable for copies, drafts, memos, and other everyday documents. It features ColorLok Technology for less smearing, bolder blacks, and vivid colors. It is acid-free for longer lasting documents.

HP Iron-On Transfers

HP Iron-on Transfers (for color fabrics or for light or white fabrics) are the ideal solution for creating custom T-shirts from your digital photos.

HP Premium Inkjet Transparency Film

HP Premium Inkjet Transparency Film make your color presentations vivid and even more impressive. This film is easy to use and handle and dries quickly without smudging.


HP Photo Value Pack

HP Photo Value Packs conveniently package original HP cartridges and HP Advanced Photo Paper to save you time and take the guesswork out of printing affordable professional photos with your HP All-in-One. Original HP inks and HP Advanced Photo Paper have been designed to work together so your photos are long lasting and vivid, print after print. Great for printing out an entire vacation's worth of photos or multiple prints to share.

ColorLok

HP recommends plain papers with the ColorLok logo for printing and copying of everyday documents. All papers with the ColorLok logo are independently tested to meet high standards of reliability and print quality, and produce documents with crisp, vivid color, bolder blacks, and dry faster than ordinary plain papers. Look for papers with the ColorLok logo in a variety of weights and sizes from major paper manufacturers.



 **NOTE:** At this time, some portions of the HP Web site are available in English only.

To order HP papers and other supplies, go to www.hp.com/buy/supplies. If prompted, choose your country/region, follow the prompts to select your product, and then click one of the shopping links on the page.

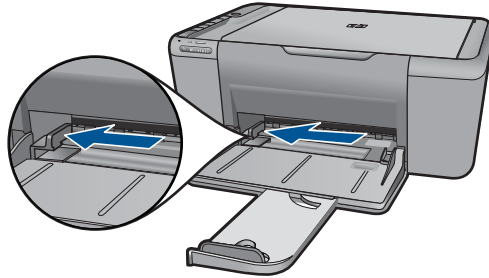
Load media

1. Select a paper size to continue.

Load small-size paper


a. Prepare tray

- Slide paper-width guide to the left.

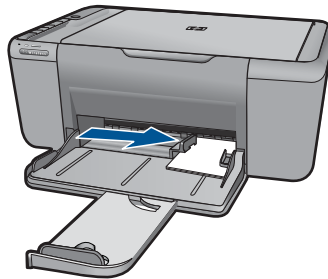


b. Load paper.

- Insert stack of photo or other paper into paper tray with short edge forward and print side down.
- Slide stack of paper forward until it stops.

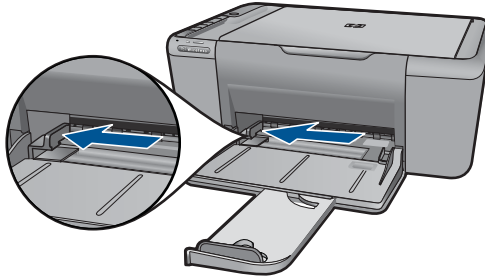
 **NOTE:** If the photo paper you are using has perforated tabs, load photo paper so that tabs are closest to you.

- Slide paper-width guide to the right until it stops at edge of paper.

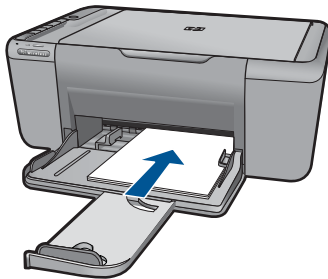


Load full-size paper

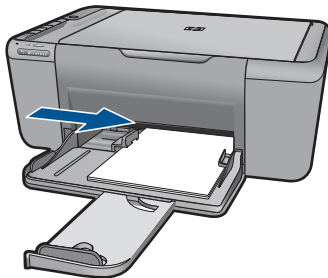
- a. Prepare tray
 - Slide paper-width guide to the left.



- b. Load paper.
 - Insert stack of paper into paper tray with short edge forward and print side down.



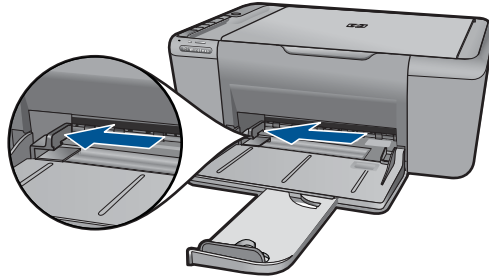
- Slide stack of paper forward until it stops.
- Slide paper-width guide to the right until it stops at edge of paper.



Load envelopes

a. Prepare tray

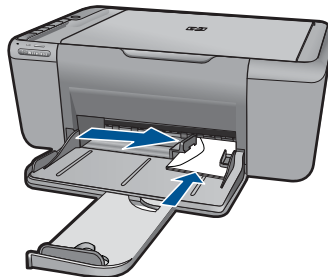
- Slide paper-width guide to the left.



- Remove all paper from the paper tray.

b. Load envelopes.

- Insert one or more envelopes into far-right side of the paper tray, with envelope flaps on left and facing up.
- Slide stack of envelopes forward until it stops.
- Slide paper-width guide to the right against stack of envelopes until it stops.



2. View the animation for this topic.

6 Scan

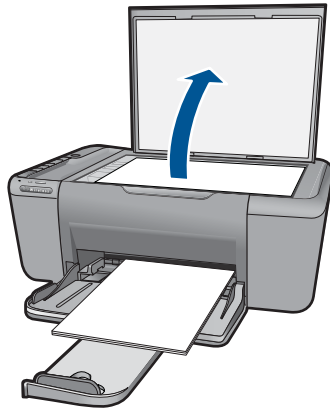
- [Scan to a computer](#)

Scan to a computer

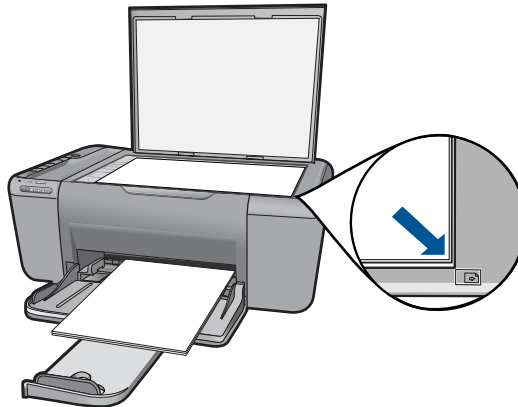
1. Do the following:

Single page scan

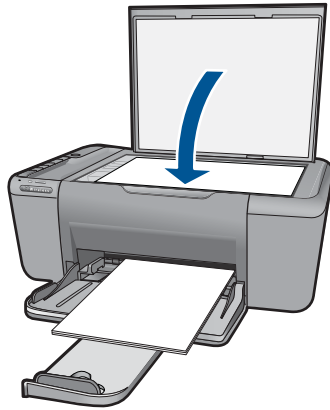
- a. Load original.
 - Lift lid on product.



- Load original print side down on right front corner of glass.



- Close lid.



- b. Start scan.
 - Press **Scan**.
 - c. Preview and accept.
 - Preview the scanned image and accept.
2. View the animation for this topic.

Related topics

[Stop the current job](#)

7 Copy

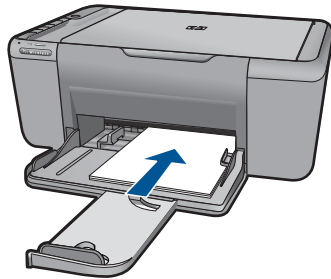
[Copy text or mixed documents](#)

Copy text or mixed documents

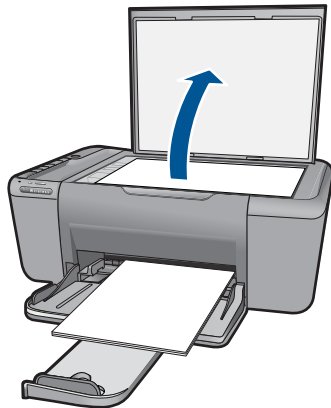
1. Click a copy type to continue.

Black and White Copy

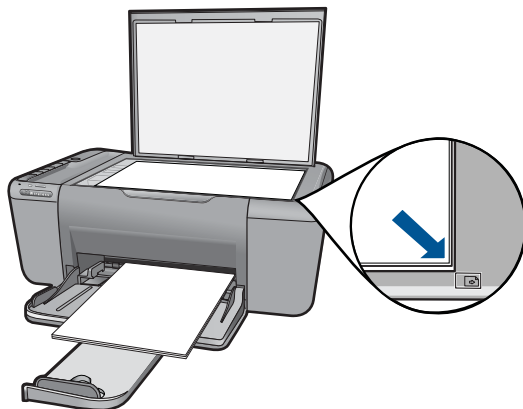
- a. Load paper.
 - Load full-size paper in the paper tray.



- b. Load original.
 - Lift lid on product.



- Load original print side down on right front corner of glass.

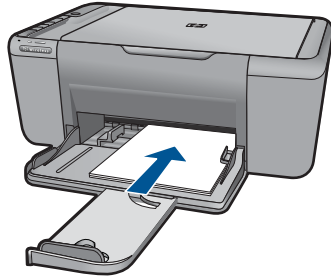


- Close lid.
- c. Select paper type.
- Press **Paper Selection** to select the paper type.
- d. Start copy.
- Press **Start Copy Black**. Press multiple times to increase the number of copies.

Color Copy

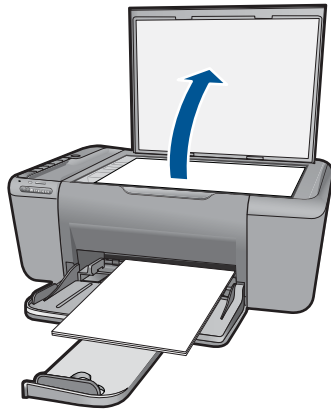
a. Load paper.

- Load full-size paper in the paper tray.

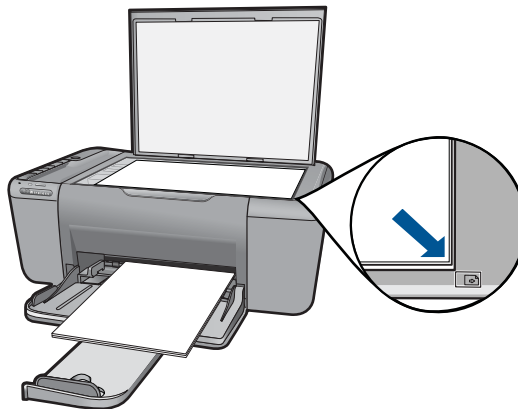


b. Load original.

- Lift lid on product.



- Load original print side down on right front corner of glass.




- Close lid.
 - c. Select paper type.
 - Press **Paper Selection** to select the paper type.
 - d. Start copy.
 - Press **Start Copy Color**. Press multiple times to increase the number of copies.
2. View the animation for this topic.

Related topics

- [Set the copy paper type](#)
- [Stop the current job](#)

Set the copy paper type

You can set the paper type for copying to **Plain**, **Photo (Large)**, or **Photo (Small)**.

 **NOTE:** Copies made on plain paper are automatically made using **Normal** quality. Copies made on photo paper are automatically made using **Best** quality.

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

Paper type	Control panel setting
Copier paper or letterhead	Plain
HP Bright White Paper	Plain
HP Advanced Photo Paper, Glossy	Photo
HP Advanced Photo Paper, Matte	Photo
HP Advanced 4 x 6 inch Photo Paper	Photo (Small)
HP Photo Paper	Photo
HP Everyday Photo Paper	Photo
HP Everyday Photo Paper, Semi Gloss	Photo
Other photo paper	Photo
HP Advanced Paper	Plain
HP All-in-One Paper	Plain
HP Printing Paper	Plain
Other inkjet paper	Plain
Legal	Plain

Related topics


- [Paper basics](#)

8 Work with cartridges

- [Check the estimated ink levels](#)
- [Order ink supplies](#)
- [Automatically clean print cartridges](#)
- [Replace the cartridges](#)
- [Cartridge warranty information](#)

Check the estimated ink levels

You can easily check the ink supply level to determine how soon you might need to replace a cartridge. The ink supply level shows an estimate of the amount of ink remaining in the cartridges.


 **NOTE:** If you have installed a refilled or remanufactured cartridge, or a cartridge that has been used in another printer, the ink level indicator might be inaccurate or unavailable.

NOTE: Ink level warnings and indicators provide estimates for planning purposes only. When you receive a low-ink warning message, consider having a replacement cartridge available to avoid possible printing delays. You do not have to replace the cartridges until the print quality is unacceptable.

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 product 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.

To check the ink levels from the HP Photosmart Software

1. In the HP Solution Center, click **Settings**, point to **Print Settings**, and then click **Printer Toolbox**.

 **NOTE:** You can also open the **Printer Toolbox** from the **Print Properties** dialog box. In the **Print Properties** dialog box, click the **Features** tab, and then click the **Printer Services** button.

The **Printer Toolbox** appears.

2. Click the **Estimated Ink Level** tab.
The estimated ink levels for the ink cartridges appear.

Related topics


[Order ink supplies](#)

Order ink supplies

For a list of cartridge numbers, use the software that came with the HP All-in-One to find out the reorder number.

Find the cartridge number

1. In the HP Solution Center, click **Settings**, point to **Print Settings**, and then click **Printer Toolbox**.


 **NOTE:** You can also open the **Printer Toolbox** from the **Print Properties** dialog box. In the **Print Properties** dialog box, click the **Features** tab, and then click the **Printer Services** button.

The **Printer Toolbox** appears.

2. Click the **Estimated Ink Level** tab.

The estimated ink levels for the print cartridges appear. Use the menu at the bottom to select **Cartridge details**.


To order genuine HP supplies for the HP All-in-One, go to www.hp.com/buy/supplies. If prompted, choose your country/region, follow the prompts to select your product, and then click one of the shopping links on the page.

 **NOTE:** Ordering cartridges online is not supported in all countries/regions. If it is not available in your country/region, you may still view supplies information and print a list for reference when shopping at a local HP reseller.

To order ink cartridges from your desktop

- ▲ To learn which HP supplies work with your printer, order supplies online, or create a printable shopping list, open HP Solution Center and select the online shopping feature.

Cartridge information and links to online shopping also appear on ink alert messages. In addition, you can find cartridge information and order online by visiting www.hp.com/buy/supplies.

 **NOTE:** Ordering cartridges online is not supported in all countries/regions. If it is not available in your country/region, you may still view supplies information and print a list for reference when shopping at a local HP reseller.

Related topics

[Choose the right cartridges](#)

Choose the right cartridges

HP recommends that you use original HP cartridges. Original HP cartridges are designed and tested with HP printers to help you easily produce great results, time after time.

Related topics

[Order ink supplies](#)

Automatically clean print cartridges

If your printed pages are faded or if they contain ink streaks, the print cartridges might be low on ink or might need to be cleaned. For more information, see [Check the estimated ink levels](#).

If the print cartridges are not low on ink, clean the print cartridges automatically.

△ **CAUTION:** Clean print cartridges only when necessary. Unnecessary cleaning wastes ink and shortens the life of the cartridge.

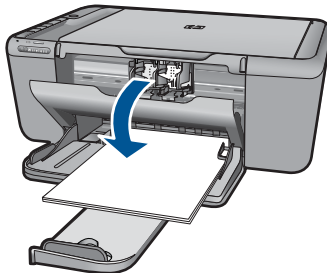
To clean the print cartridges

1. In the HP Solution Center, click **Settings**. In the **Print Settings** area, click **Printer Toolbox**.
2. Click **Clean the Print Cartridges**.
3. Click **Clean**, and then follow the onscreen instructions.

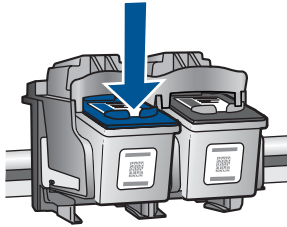
Replace the cartridges

To replace the cartridges

1. Check power
2. Load paper
 - ▲ Load full-size paper in the paper tray.
3. Remove cartridge.
 - a. Open cartridge door.



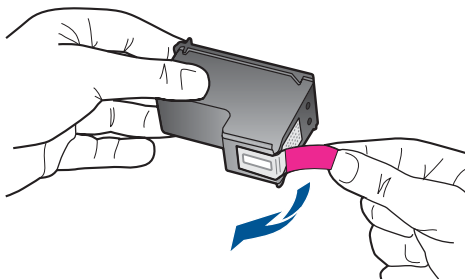
- Wait for print carriage to move to center of the product.
- b. Press down to release cartridge, then remove it from slot.



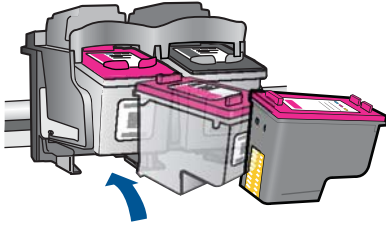
- 4. Insert new cartridge.
 - a. Remove cartridge from packaging.



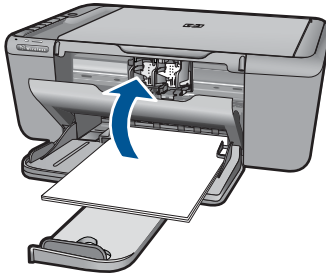
- b. Remove plastic tape using pink pull tab.



- c. Line up colored shaped icons, then slide cartridge into slot until it clicks into place.



- d. Close cartridge door.



5. Align cartridges.
6. View the animation for this topic.

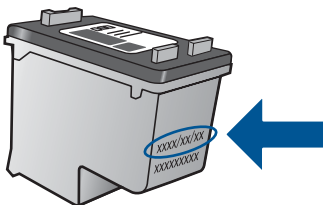
Related topics

- [Choose the right cartridges](#)
- [Order ink supplies](#)

Cartridge warranty information

The HP cartridge warranty is applicable when the product is used in its designated HP printing device. This warranty does not cover HP ink products that have been refilled, remanufactured, refurbished, misused, or tampered with.

During the warranty period the product is covered as long as the HP ink is not depleted and the end of warranty date has not been reached. The end of warranty date, in YYYY/MM/DD format, may be found on the product as indicated:



For a copy of the HP Limited Warranty Statement, see the printed documentation that came with the product.

9 Solve a problem

This section contains the following topics:

- [HP support](#)
- [Setup troubleshooting](#)
- [Print troubleshooting](#)
- [Scan troubleshooting](#)
- [Copy troubleshooting](#)
- [Errors](#)

HP support

- [Support process](#)
- [HP support by phone](#)
- [Additional warranty options](#)

Support process

If you have a problem, follow these steps:

1. Check the documentation that came with the product.
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 product information and expert assistance and includes the following features:
 - Fast access to qualified online support specialists
 - Software and driver updates for the product
 - Valuable product and troubleshooting information for common problems
 - Proactive product updates, support alerts, and HP newsgrams that are available when you register the product
3. Call HP support. Support options and availability vary by product, country/region, and language.

HP support by phone

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

This section contains the following topics:

- [Phone support period](#)
- [Placing a call](#)
- [Support phone numbers](#)
- [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). To determine the duration of phone support in Europe, the Middle East, and Africa, go to www.hp.com/support. Standard phone company charges apply.

Placing a call

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

- Product name (HP Deskjet F4500 All-in-One series)
- Serial number (located on the back or bottom of the product)
- 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, product was moved, etc.)?

Support phone numbers

For the most current HP list of telephone support numbers and call costs information, see www.hp.com/support.

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.

Setup troubleshooting

This section contains setup troubleshooting information for the product.

Many issues are caused when the product is connected to the computer using a USB cable before the HP Photosmart software is installed on the computer. If you connected the product to your computer before the software installation screen prompts you to do so, you must follow these steps:

Troubleshooting common setup issues

1. Disconnect the USB cable from the computer.
2. Uninstall the software (if you have already installed it).
For more information, see [Uninstall and reinstall the software](#).
3. Restart your computer.

4. Turn off the product, wait one minute, then restart it.
5. Reinstall the HP Photosmart software.

△ **CAUTION:** Do not connect the USB cable to the computer until prompted by the software installation screen.

This section contains the following topics:

- [The product will not turn on](#)
- [After setting up the product, it does not print](#)
- [The registration screen does not appear](#)
- [Uninstall and reinstall the software](#)

The product will not turn on

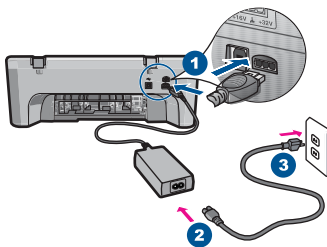
Try the following solutions to resolve the issue. Solutions are listed in order, with the most likely solution first. If the first solution does not solve the problem, continue trying the remaining solutions until the issue is resolved.

- [Solution 1: Make sure the power cord is connected](#)
- [Solution 2: Press the On button more slowly](#)

Solution 1: Make sure the power cord is connected

Solution:

- Make sure the power cord is firmly connected to both the product and the power adapter. Plug the power cord into a power outlet, surge protector, or power strip.



1	Power connection
2	Power cord and adapter

- If you are using a power strip, make sure the power strip is on. Or, try plugging the product directly into a power outlet.
- Test the power outlet to make sure it is working. Plug in an appliance that you know works, and see if the appliance has power. If not, then there might be a problem with the power outlet.
- If you plugged the product into a switched outlet, make sure the outlet is switched on. If it is switched to on but still does not work, then there might be a problem with the power outlet.

Cause: The product was not properly connected to a power supply.

If this did not solve the issue, try the next solution.

Solution 2: Press the On button more slowly

Solution: The product might not respond if you press the **On** button too quickly. Press the **On** button once. It might take a few minutes for the product to turn on. If you press the **On** button again during this time, you might turn the product off.

△ **CAUTION:** If the product still does not turn on, it might have a mechanical failure. Unplug the product from the power outlet.

Contact HP support for service.

Go to: www.hp.com/support. If prompted, choose your country/region, and then click **Contact HP** for information on calling for technical support.

Cause: You pressed the **On** button too quickly.

After setting up the product, it does not print

Try the following solutions to resolve the issue. Solutions are listed in order, with the most likely solution first. If the first solution does not solve the problem, continue trying the remaining solutions until the issue is resolved.

- [Solution 1: Press the On button to turn on the product](#)
- [Solution 2: Set your product as the default printer](#)
- [Solution 3: Check the connection between the product and computer](#)

Solution 1: Press the On button to turn on the product

Solution: Look at the **On** button located on the product. If it is not lit, the product is turned off. Make sure the power cord is firmly connected to the product and plugged into a power outlet. Press the **On** button to turn on the product.

Cause: The product might not have been turned on.

If this did not solve the issue, try the next solution.

Solution 2: Set your product as the default printer

Solution: Use the system tools on your computer to change your product to be the default printer.

Cause: You sent the print job to the default printer, but this product was not the default printer.

If this did not solve the issue, try the next solution.

Solution 3: Check the connection between the product and computer

Solution: Check the connection between the product and computer.

Cause: The product and computer were not communicating with each other.

The registration screen does not appear

Solution: You can access the registration (Sign up now) screen from the Windows taskbar by clicking **Start**, pointing to **Programs** or **All Programs**, **HP**, **Deskjet F4500 All-in-One series**, and then clicking **Product Registration**.


Cause: The registration screen did not launch automatically.

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 HP All-in-One 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 HP All-in-One.

To uninstall and reinstall the software

1. On the Windows taskbar, click **Start**, **Settings**, **Control Panel** (or just **Control Panel**).
2. Double-click **Add/Remove Programs** (or click **Uninstall a program**).
3. Select **HP Photosmart All-In-One Driver Software**, and then click **Change/Remove**.
Follow the onscreen instructions.
4. Disconnect the product from your computer.
5. Restart your computer.

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

6. Insert the product CD-ROM into your computer's CD-ROM drive and then start the Setup program.

 **NOTE:** If the Setup program does not appear, locate the setup.exe file on the CD-ROM drive and double-click it.

NOTE: If you no longer have the installation CD, you can download the software from www.hp.com/support.

7. Follow the onscreen instructions and the instructions provided in the printed documentation that came with the product.

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



Print troubleshooting

Try the following solutions to resolve the issue. Solutions are listed in order, with the most likely solution first. If the first solution does not solve the problem, continue trying the remaining solutions until the issue is resolved.

- [Check cartridges](#)
- [Check paper](#)
- [Check product](#)
- [Check printer settings](#)
- [Reset the product](#)

Check cartridges


Try the following solutions.

- [Solution 1: Make sure you are using genuine HP ink cartridges](#)
- [Solution 2: Check the ink levels](#)

Solution 1: Make sure you are using genuine HP ink cartridges

Solution: Check to see if your ink cartridges are genuine HP ink cartridges.

HP recommends that you use genuine HP ink cartridges. Genuine HP ink cartridges are designed and tested with HP printers to help you easily produce great results, time after time.

 **NOTE:** HP cannot guarantee the quality or reliability of non-HP supplies. Product service or repairs required as a result of using a non-HP supply will not be covered under warranty.

If you believe you purchased genuine HP ink cartridges, go to:


www.hp.com/go/anticounterfeit

Cause: Non-HP ink cartridges were being used.

If this did not solve the issue, try the next solution.

Solution 2: Check the ink levels

Solution: Check the estimated ink levels in the cartridges.

 **NOTE:** Ink level warnings and indicators provide estimates for planning purposes only. When you receive a low-ink warning message, consider having a replacement cartridge available to avoid possible printing delays. You do not need to replace the cartridges until print quality becomes unacceptable.

For more information, see:

[Check the estimated ink levels](#)

Cause: The ink cartridges might have insufficient ink.

If this did not solve the issue, try the next solution.

Check paper

Try the following solutions.

- [Solution 1: Make sure only one type of paper is loaded](#)
- [Solution 2: Load the stack of paper correctly](#)

Solution 1: Make sure only one type of paper is loaded

Solution: Load only one type of paper at a time.

Cause: More than one type of paper was loaded in the paper tray.

If this did not solve the issue, try the next solution.

Solution 2: Load the stack of paper correctly

Solution: Remove the stack of paper from the paper tray, reload the paper, and then slide the paper-width guide inward until it stops at the edge of the paper.

For more information, see:

[Load media](#)

Cause: The paper guides were not positioned correctly.

Check product

Try the following solutions.


- [Solution 1: Align the print cartridges](#)
- [Solution 2: Automatically clean the print cartridges.](#)

Solution 1: Align the print cartridges

Solution: Aligning the print cartridges can help ensure high-quality output.


To align the print cartridges from the HP Photosmart Software

1. Load letter or A4 unused plain white paper into the paper tray.
2. In the HP Solution Center, click **Settings**.
3. In the **Print Settings** area, click **Printer Toolbox**.

 **NOTE:** You can also open the **Printer Toolbox** from the **Print Properties** dialog box. In the **Print Properties** dialog box, click the **Features** tab, and then click **Printer Services**.

The **Printer Toolbox** appears.

4. Click the **Device Services** tab.
5. Click **Align the Print Cartridges**.
6. When prompted, ensure plain white letter or A4 paper is loaded in the paper tray and follow the onscreen instructions.

 **NOTE:** If you have colored paper loaded in the paper tray when you align the print cartridges, the alignment will fail. Load unused plain white paper into the paper tray, and then try the alignment again.

The product prints a print cartridge alignment sheet.

7. Load the page print side down on the right front corner of the glass, and then press **Start Copy Black** or **Start Copy Color** to scan the page.
When the **On** button stops flashing, the alignment is complete and the page can be removed. Recycle or discard the page.

Cause: The printer needed to be aligned.

If this did not solve the issue, try the next solution.

Solution 2: Automatically clean the print cartridges.

Solution: Clean the print cartridges.

For more information, see [Automatically clean print cartridges](#)

Cause: The print cartridge nozzles needed to be cleaned.

If this did not solve the issue, try the next solution.

Check printer settings

Try the following solutions.


- [Solution 1: Check the print settings](#)
- [Solution 2: Verify the paper size setting](#)
- [Solution 3: Check the printer margins](#)

Solution 1: Check the print settings

Solution: Check the print settings.

- Check the print settings to see if the color settings are incorrect. For example, check to see if the document is set to print in grayscale. Or, check to see if advanced color settings such as saturation, brightness, or color tone, are set to modify the appearance of colors.
- Check the print quality setting and make sure it matches the type of paper loaded in the product.

You might need to choose a lower print quality setting, if colors are running into each other. Or, choose a higher setting if you are printing a high-quality photo, and then make sure photo paper such as HP Advanced Photo Paper, is loaded in the paper tray.

 **NOTE:** On some computer screens, colors might appear differently than they do when printed on paper. In this case, there is nothing wrong with the product, print settings, or ink cartridges. No further troubleshooting is required.

Cause: The print settings were set incorrectly.

If this did not solve the issue, try the next solution.

Solution 2: Verify the paper size setting

Solution: Verify that you have selected the proper paper size setting for your project. Make sure that you have loaded the correct paper size in the paper tray.

Cause: The paper size setting might not have been set correctly for the project you were printing.

If this did not solve the issue, try the next solution.

Solution 3: Check the printer margins

Solution: Check the printer margins.

Make sure the margin settings for the document do not exceed the printable area of the product.

To check your margin settings

1. Preview your print job before sending it to the product.
In most software applications, click the **File** menu, and then click **Print Preview**.
2. Check the margins.
The product uses the margins you have set in your software application, as long as they are greater than the minimum margins the product supports. For more information about setting margins in your software application, see the documentation that came with the software.
3. Cancel the print job if the margins are not satisfactory, and then adjust the margins in your software application.

Cause: The margins were not set correctly in your software application.
If this did not solve the issue, try the next solution.

Reset the product

Solution: Turn off the product, and then unplug the power cord. Plug the power cord back in, and then press the **On** button to turn on the product.

Cause: The product experienced an error.
If this did not solve the issue, try the next solution.

Scan troubleshooting

Use this section to solve these scan problems:

- [Scanned image is incorrectly cropped](#)
- [Scanned image shows dotted lines instead of text](#)
- [Text format is incorrect](#)
- [Text is incorrect or missing](#)

Scanned image is incorrectly cropped

Solution: The autocropping feature in the HP Solution Center software crops anything that is not part of the main image. Sometimes this might not be what you want. In that case, turn off autocropping in the HP Solution Center software and crop the scanned image manually, or not at all.

Cause: The software was set to automatically crop scanned pictures.

Scanned image shows dotted lines instead of text

Solution: Make a black-and-white copy of the original and then scan the copy.

Cause: If you used the **Text** image type to scan text that you planned to edit, the scanner might not have recognized color text. The **Text** image type scans at 300 x 300 dpi, in black and white.

If you scanned an original that has graphics or artwork surrounding the text, the scanner might not have recognized the text.

Text format is incorrect

Solution: Some applications cannot handle framed text formatting. Framed text is one of the scan document settings in the software. It maintains complex layouts, such as multiple columns from a newsletter, by putting the text in different frames (boxes) in the destination application. In the software, select the correct format so that the scanned text layout and formatting are retained.

Cause: The scan document settings were incorrect.

Text is incorrect or missing

Try the following solutions to resolve the issue. Solutions are listed in order, with the most likely solution first. If the first solution does not solve the problem, continue trying the remaining solutions until the issue is resolved.

- [Solution 1: Adjust the brightness in the software](#)
- [Solution 2: Clean the glass and lid](#)
- [Solution 3: Select the correct OCR language](#)

Solution 1: Adjust the brightness in the software

Solution: Adjust the brightness in the software, and then rescan the original.

Cause: The brightness was not set correctly.

If this did not solve the issue, try the next solution.

Solution 2: Clean the glass and lid


Solution: Turn off the product, unplug the power cord, and use a soft cloth to wipe the glass and the back of the document lid.

Cause: Debris might have been stuck on the glass or on the back of the document lid. This can cause poor-quality scans.

If this did not solve the issue, try the next solution.

Solution 3: Select the correct OCR language

Solution: Select the correct OCR language in the software.

 **NOTE:** If you are using HP Photosmart Essential, the Optical Character Recognition (OCR) software might not be installed on your computer. To install the OCR software, you must re-insert the software disk and select **Install More Software**, then choose the **OCR** option.

Cause: The scan document settings were not set to the correct optical character recognition (OCR) language. The **OCR language** tells the software how to interpret the characters it sees in the original image. If the **OCR language** does not match the language in the original, the scanned text might be incomprehensible.

Copy troubleshooting

Use this section to solve these copy problems:

- [Parts of the original do not appear or are cut off](#)
- [The printout is blank](#)

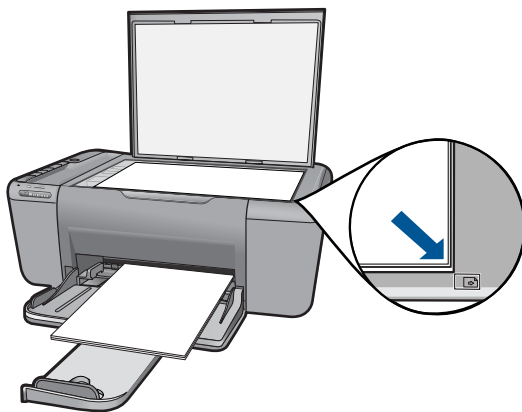
Parts of the original do not appear or are cut off

Try the following solutions to resolve the issue. Solutions are listed in order, with the most likely solution first. If the first solution does not solve the problem, continue trying the remaining solutions until the issue is resolved.

- [Solution 1: Place the original correctly on the glass](#)
- [Solution 2: Clean the scanner glass](#)

Solution 1: Place the original correctly on the glass

Solution: Load your original print side down on the right front corner of the glass.



Cause: The original was placed incorrectly on the glass.
If this did not solve the issue, try the next solution.

Solution 2: Clean the scanner glass

Solution: Clean the scanner glass and make sure that there are no foreign materials adhering to it.

Cause: The scanner glass was dirty, causing the product to include an area in the copy that was larger than the document.

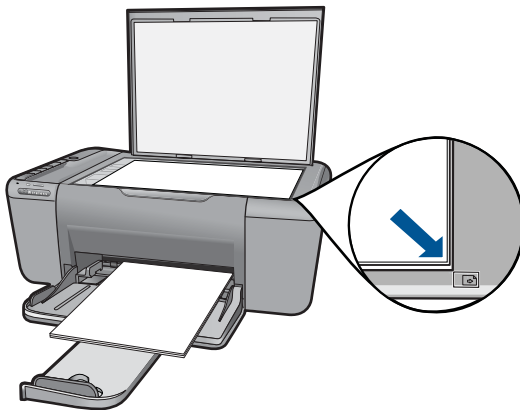
The printout is blank

Try the following solutions to resolve the issue. Solutions are listed in order, with the most likely solution first. If the first solution does not solve the problem, continue trying the remaining solutions until the issue is resolved.

- [Solution 1: Place the original correctly on the glass](#)
- [Solution 2: Check the ink levels in the print cartridges](#)

Solution 1: Place the original correctly on the glass

Solution: Load your original print side down on the right front corner of the glass.




Cause: The original was placed incorrectly on the glass.

If this did not solve the issue, try the next solution.

Solution 2: Check the ink levels in the print cartridges

Solution: Check the estimated ink levels remaining in the print cartridges.

 **NOTE:** Ink level warnings and indicators provide estimates for planning purposes only. When you receive a low-ink warning message, consider having a replacement cartridge available to avoid possible printing delays. You do not need to replace the print cartridges until print quality becomes unacceptable.

If there is ink remaining in the print cartridges, but you are still noticing a problem, print a self-test report to determine if there is a problem with the print cartridges. If the

self-test report shows a problem, clean the print cartridges. If the problem persists, you might need to replace the print cartridges.

Cause: The print cartridges needed to be cleaned or there was insufficient ink.

Errors

This section contains the following categories of messages about your product:

- [Flashing lights](#)
- [Wireless indicator light](#)
- [Printing in ink-backup mode](#)

Flashing lights

The lights on the product flash in special sequences to inform you about various status or error conditions. Refer to the following table for information on solving your error condition based on which lights are on or flashing on the product.

On light	Attention light	Ink level indicator light	Description	Solution
Off	Off	Off	The product is turned off.	Press the On button to turn the product on.
On	Fast blinking	Both fast blinking	The tape was not removed from one or both print cartridges.	Remove the print cartridge, remove tape, and reinsert the print cartridge.
On	Fast blinking	Current ink levels	The product is out of paper. The product has a paper jam.	Load paper and press any button to resume. Remove paper jam and press any button to resume.
On	Fast blinking	Current ink levels	The front access door or the print cartridge access door is open.	Close the front access door or the print cartridge access door.
On	Fast blinking	Both fast blinking	The print cartridges are missing or not seated correctly. The print cartridge might be defective. The tape was not removed from one or both print cartridges. The print cartridge is not intended for use in this product.	Install or remove and reinsert print cartridges. Remove the print cartridge, remove tape, and reinsert the print cartridge. The print cartridge might not be supported for use in the product. For more information about compatible print cartridges, see Order ink supplies .


(continued)

On light	Attention light	Ink level indicator light	Description	Solution
On	Fast Blinking	Current ink levels	The print carriage is stalled.	Open the front access door, and clear the carriage jam. Press any button except the On button. Pressing the On button will turn off the product.
On	Off	Tri-color print cartridge light On Black print cartridge light Off	The tri-color print cartridge is getting low on ink. The tri-color print cartridge has been removed.	Replace the tri-color print cartridge when print quality is no longer acceptable. Replace the tri-color print cartridge, or print in ink-backup mode with the black print cartridge. For more information, see Printing in ink-backup mode .
On	Off	Tri-color print cartridge light Off Black print cartridge light On	The black print cartridge is getting low on ink. The black print cartridge has been removed.	Replace the black print cartridge when print quality is no longer acceptable. Replace the black print cartridge, or print in ink-backup mode with the tricolor print cartridge. For more information, see Printing in ink-backup mode .
Blinking	Off	Current ink levels	Product is processing print, scan, copy or maintenance job such as alignment.	Wait for product to complete job.
Fast Blinking	Fast Blinking	Both fast blinking	The product has a fatal error.	<ol style="list-style-type: none">1. Turn off the product.2. Unplug the power cord.3. Wait a minute, then plug the power cord back in.4. Turn on the product. If the problem persists, contact HP Support.

Wireless indicator light

The wireless indicator on the product flashes in special sequences to inform you about various status or error conditions. Refer to the following table for information on solving your error condition based on the wireless indicator flashing on the product.

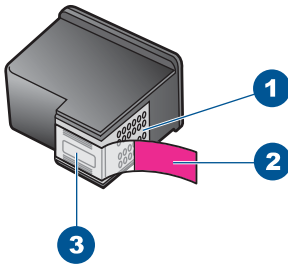
Table 9-1 Wireless indicator light

Wireless button light	Description	Solution
		
On	<p>The product is connected to a wireless network.</p> <p>Wireless Protected Setup (WPS) successful.</p>	The product can now print wirelessly.
Blinking	<p>The product cannot connect to a wireless network.</p> <p>No wireless signal available but wireless radio on the product is turned on.</p>	<ol style="list-style-type: none"> 1. Check if the wireless router or access point is turned on. 2. Move the product closer to the wireless router or access point.
Blinking	<p>The product is searching for available wireless networks.</p> <p>Wireless Protected Setup (WPS) in progress.</p>	Wait for product to connect to an access point.
Fast blinking	Wireless Protected Setup (WPS) progress error.	Press any key to clear the error or wait for one minute.

Printing in ink-backup mode

Solution: If you receive the ink-backup mode message and two print cartridges are installed in the product, verify that the protective piece of plastic tape has been

removed from each print cartridge. When plastic tape covers the print cartridge contacts, the product cannot detect that the print cartridge is installed.



1	Copper-colored contacts
2	Plastic tape with pink pull tab (must be removed before installing)
3	Ink nozzles under tape

Cause: When the product detected that only one print cartridge is installed, ink-backup mode is initiated. This printing mode lets you print with a single print cartridge, but it slows the product and affects the quality of printouts.

10 Stop the current job

To stop a print job from the HP All-in-One

- ▲ Press **Cancel** on the control panel. If the print job does not stop, press **Cancel** again. It can take a few moments for printing to be cancelled.

11 Technical information

The technical specifications and international regulatory information for the HP All-in-One are provided in this section.

For additional specifications, see the printed documentation that came with the HP All-in-One.

This section contains the following topics:

- [Notice](#)
- [Specifications](#)
- [Environmental product stewardship program](#)
- [Regulatory notices](#)
- [Regulatory wireless statements](#)

Notice

Hewlett-Packard Company notices

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Specifications

Technical specifications for the HP All-in-One are provided in this section. For complete product specifications, see the Product Data Sheet at www.hp.com/support.

System requirements

Software and system requirements are located in the Readme file.

For information about future operating system releases and support, visit the HP online support Web site at www.hp.com/support.

Environmental specifications

- Recommended operating temperature range: 15 °C to 32 °C (59 °F to 90 °F)
- Allowable operating temperature range: 5 °C to 40 °C (41 °F to 104 °F)
- Humidity: 15% to 80% RH non-condensing; 28 °C maximum dewpoint
- Non-operating (Storage) temperature range: -40 °C to 60 °C (-40 °F to 140 °F)
- In the presence of high electromagnetic fields, it is possible the output from the HP All-in-One may be slightly distorted
- HP recommends using a USB cable less than or equal to 3 m (10 feet) in length to minimize injected noise due to potential high electromagnetic fields

Paper tray capacity

Plain paper sheets (75 g/m² [20 lb]): Up to 80

Envelopes: Up to 10

Index cards: Up to 30

Photo paper sheets: Up to 30

Paper size

For a complete list of supported media sizes, see the printer software.

Paper weights

Plain Paper: 75 to 90 g/m² (20 to 24 lb)

Envelopes: 75 to 90 g/m² (20 to 24 lb)

Cards: Up to 200 g/m² (110-lb index maximum)

Photo Paper: Up to 280 g/m² (75 lb)

Print specifications

- Print speeds vary according to the complexity of the document
- Panorama-size printing
- Method: drop-on-demand thermal inkjet
- Language: PCL3 GUI

Copy specifications

- Digital image processing
- Maximum number of copies varies by model
- Copy speeds vary according to the complexity of the document and model
- Maximum copy enlargement ranging from 200-400% (depends on model)
- Maximum copy reduction ranging from 25-50% (depends on model)

Scan specifications

- Image editor included
- Integrated OCR software automatically converts scanned text to editable text (if installed)
- Twain-compliant software interface
- Resolution: up to 4800 x 4800 ppi optical (depends on model); 19200 ppi enhanced (software)
For more information about ppi resolution, see the scanner software.
- Color: 48-bit color, 8-bit grayscale (256 levels of gray)
- Maximum scan size from glass: 21.6 x 29.7 cm (8.5 x 11.7 inches)

Print resolution

To find out about the printer resolution, see the printer software. For more information, see [View the print resolution](#).

Cartridge yield

Visit www.hp.com/go/learnaboutesupplies for more information on estimated cartridge yields.

Acoustic information

If you have Internet access, you can get acoustic information from the HP Web site. Go to: www.hp.com/support.

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:

- [Eco-Tips](#)
- [Paper use](#)
- [Plastics](#)
- [Material safety data sheets](#)
- [Recycling program](#)
- [HP inkjet supplies recycling program](#)
- [Power consumption](#)
- [Disposal of waste equipment by users in private households in the European Union](#)
- [Chemical Substances](#)
- [Toxic and hazardous substance table](#)

Eco-Tips

HP is committed to helping customers reduce their environmental footprint. HP has provided the Eco-Tips below to help you focus on ways to assess and reduce the impact of your printing choices. In addition to specific features in this product, please visit the HP Eco Solutions web site for more information on HP's environmental initiatives.

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

Your product's Eco features

- **Smart Web printing:** The HP Smart Web Printing interface includes a **Clip Book** and **Edit Clips** window where you can store, organize, or print clips you have gathered from the Web. For more information, see [Print a Web page](#).
- **Energy Savings information:** To determine the ENERGY STAR® qualification status for this product, see [Power consumption](#).
- **Recycled Materials:** For more information regarding recycling of HP products, please visit: www.hp.com/hpinfo/globalcitizenship/environment/recycle/

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

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/

Power consumption

Hewlett-Packard printing and imaging equipment marked with the ENERGY STAR® logo is qualified to the U.S. Environmental Protection Agency's ENERGY STAR specifications for imaging equipment. The following mark will appear on ENERGY STAR qualified imaging products:



Additional ENERGY STAR qualified imaging product model information is listed at: www.hp.com/go/energystar

1907/2006 of the European Parliament and the Council). A chemical information report for this product can be found at: www.hp.com/go/reach.

Toxic and hazardous substance table

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*	0	0	0	0	0	0
电线*	0	0	0	0	0	0
印刷电路板*	X	0	0	0	0	0
打印系统*	X	0	0	0	0	0
显示器*	X	0	0	0	0	0
喷墨打印机墨盒*	0	0	0	0	0	0
驱动光盘*	X	0	0	0	0	0
扫描仪*	X	X	0	0	0	0
网络配件*	X	0	0	0	0	0
电池板*	X	0	0	0	0	0
自动双面打印系统*	0	0	0	0	0	0
外部电源*	X	0	0	0	0	0

0: 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

Regulatory notices

The HP All-in-One meets product requirements from regulatory agencies in your country/region. This section contains the following topics:

- [Regulatory model identification number](#)
- [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](#)
- [HP Deskjet F4500 All-in-One series declaration of conformity](#)

Regulatory model identification number

For regulatory identification purposes, your product is assigned a Regulatory Model Number. The Regulatory Model Number for your product is SNPRH-0801-01. This regulatory number should not be confused with the marketing name (HP Deskjet F4500 All-in-One series, etc.) or product numbers (CB755-64001, etc.).

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

B 급 기기(가정용 방송통신기기)

이 기기는 가정용(B급)으로 전자파적합등록을 한 기기로서 주로 가정에서 사용하는 것을 목적으로 하며, 모든 지역에서 사용할 수 있습니다.

VCCI (Class B) compliance statement for users in Japan


この装置は、クラスB情報技術装置です。この装置は、家庭環境で使用することを目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、受信障害を引き起こすことがあります。取扱説明書に従って正しい取り扱いをして下さい。

VCCI-B

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。

HP Deskjet F4500 All-in-One series declaration of conformity



hp
invent

DECLARATION OF CONFORMITY

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

Supplier's Name: Hewlett-Packard Company
Supplier's Address: 20, Jia Feng Road Waigaoqiao Free Trade Zone Pudong, Shanghai, PRC 200131

declares, that the product
Product Name and Model: HP Deskjet F4500 series
Regulatory Model Number: ¹⁾ SNPRH-0801-01
Product Options: All
Radio Module: RSVLD-0707

Conforms to the following Product Specifications and Regulations:
EMC:
CISPR 22: 2005 / EN 55022: 2006 Class B
EN 55024:1998 + A1:2001 + A2:2003
EN 61000-3-2: 2006
EN61000-3-3:1995+A1:2001+A2:2005
FCC CFR 47 Part 15 Class B / ICES-003, Issue 4 Class B

Safety:
EN 60950-1:2001+A11: 2004 / IEC 60950-1:2001
EN 60825-1 1994+A1:2002+A2:2001

Environment:
WEEE Directive 2002/96/EC
RoHS Directive 2002/95/EC.

Radio:
EN 300 328 V1.7.1
EN 301 489-1 V1.6.1/ EN 301 489-17 V1.2.1

Health:
EU: 1999/519/EC

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.
The product herewith complies with the requirements of the Low Voltage Directive 2006/95/EC, EMC Directive 2004/108/EC and the R&TTE Directive 99/5/EC, WEEE Directive 2002/96/EC and RoHS Directive 2002/95/EC and carries the CE-marking accordingly.

Additional 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.

DoC #: SNPRH-0801-01 Rev A

Peng Cong
IPMO (China) Product Regulations Manager

2 Aug 2009

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

Regulatory wireless statements

This section contains the following regulatory information pertaining to wireless products:

- [Exposure to radio frequency radiation](#)
- [Notice to users in Brazil](#)
- [Notice to users in Canada](#)
- [European Union regulatory notice](#)
- [Notice to users in Taiwan](#)

Exposure to radio frequency radiation

Exposure to radio frequency radiation



Caution The radiated output power of this device is far below the FCC radio frequency exposure limits. Nevertheless, the device shall be used in such a manner that the potential for human contact during normal operation is minimized. This product and any attached external antenna, if supported, shall be placed in such a manner to minimize the potential for human contact during normal operation. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 20 cm (8 inches) during normal operation.

Notice to users in Brazil

Aviso aos usuários no Brasil

Este equipamento opera em caráter secundário, isto é, não tem direito à proteção contra interferência prejudicial, mesmo de estações do mesmo tipo, e não pode causar interferência a sistemas operando em caráter primário. (Res.ANATEL 282/2001).

Notice to users in Canada

Notice to users in Canada/Note à l'attention des utilisateurs canadiens

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

Utiliser à l'intérieur. Le présent appareil numérique n'émet pas de bruit radioélectrique dépassant les limites applicables aux appareils numériques de la classe B prescrites dans le Règlement sur le brouillage radioélectrique édicté par le ministère des Communications du Canada. Le composant RF interne est conforme à la norme RSS-210 and RSS GEN d'Industrie Canada.

European Union regulatory notice

European Union Regulatory Notice

Products bearing the CE marking comply with the following EU Directives:

- Low Voltage Directive 2006/95/EC
- EMC Directive 2004/108/EC

CE compliance of this product is valid only if powered with the correct CE-marked AC adapter provided by HP.

If this product has telecommunications functionality, it also complies with the essential requirements of the following EU Directive:

- R&TTE Directive 1999/5/EC

Compliance with these directives implies conformity to harmonized European standards (European Norms) that are listed in the EU Declaration of Conformity issued by HP for this product or product family. This compliance is indicated by the following conformity marking placed on the product.



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

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

Products with 2.4-GHz wireless LAN devices

France

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

低功率電波輻射性電機管理辦法

第十二條

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

第十四條

低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。

前項合法通信，指依電信法規定作業之無線電通信。低功率射頻電機須忍受合法通信或工業、科學及醫藥用電波輻射性電機設備之干擾。

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