User Guide

HP LaserJet M109-M112 series
HP LaserJet M109a-M112a series

HP LaserJet M109-M112, M109a-M112a series User Guide

SUMMARY

This guide provides configuration, use, warranty, safety and environmental information.

HP company notices

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Safety information

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

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

Observe all warnings and instructions marked on the product.

Unplug this product from wall outlets before cleaning.

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

Install the product securely on a stable surface.

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

If the product does not operate normally, see Solve problems in this guide.

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

CLASS 1 CONSUMER LASER PRODUCT

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1 Get started

This section describes the printer parts, control panel features, and other printer functionalities.

Printer views

Identify main parts of the printer.

Printer front view

Identify the parts on the front of the printer.

Feature	Description
1	Control panel
2	Output bin
3	Input tray and front door access

Printer back view

Identify the parts on the back of the printer.

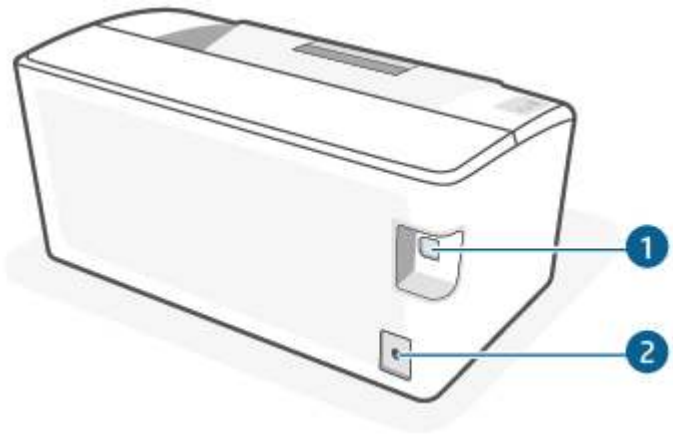


Table 1-1 Printer back view

Feature	Description
1	USB interface port
2	Power connection

Control panel features

Identify the buttons and lights on the printer control panel.

Icon	Name	Description
	Wireless button and light (wireless models only)	Press this button to turn the wireless feature on or off, or to configure a Wi-Fi Direct connection. Press and hold this button to configure a WPS connection. If the Wireless light is on, there is a stable wireless connection. If it is blinking, there is currently no wireless connection, or there is either a WPS or Wi-Fi Direct configuration process in progress. If it is blinking rapidly, there is an issue with the wireless connection.
!	Attention light	The Attention light blinks when the printer requires user attention. If the Attention light is on, the printer is in an error state.

Icon	Name	Description
	Power button/Ready light	Use this button to turn the printer on or off. The Ready light is on when the printer is ready to print. It blinks when the printer is receiving print data and dims when the printer is in a low-power state.
	Resume/Cancel button	Press this button for the following actions: • If the printer is currently processing a job, with the Attention light off and the Ready light blinking, press the button to cancel the print job. • If the printer is in an error or prompt state, with the Ready light on and the Attention light blinking, press the button to clear the error and resume printing. • In manual duplex mode, press this button to print the second side of the page.

Print reports from control panel

This topic describes the printer reports and how to print.

Table 1-2 Print reports from control panel

Printer report	How to print	Description
Configuration page and network summary page (if networking is supported)	1. If the printer is in Sleep mode (the Ready light is on but dim), press the Resume/Cancel button to wake up the printer. 2. Press and hold the Resume/Cancel button on the control panel until the Ready light begins blinking, and then release the button.	Printer configuration page provides the current printer information, cartridge status, or recent events. It can also help troubleshooting printer problems.
Wireless network diagnostic test report	1. If the printer is in Sleep mode (the Ready light is on but dim), press the Resume/Cancel button to wake up the printer. 2. Press and hold the Wireless button for more than 10 seconds (but less than 20 seconds). 3. When the Ready light starts blinking, release the button.	Wireless network diagnostic test report shows the diagnostics results for the status of the wireless network, wireless signal strength, detected networks, and more.

Use the HP Smart app to print, scan, and manage

The HP Smart app can help you perform many different printer tasks, including the following:

- Set up and connect your printer.
- Print and scan documents and photos.
- Share documents through email and other applications.
- Manage printer settings, check printer status, print reports, and order supplies.

HP Smart is supported on mobile devices and computers running on iOS, Android, Windows 10, and macOS 10.13 and later.

NOTE: At this time, the HP Smart app might not be available in all languages. Some features are available only on specific printers or models. HP Smart does not support all file formats. For more information, see Get more information about HP Smart.

To install HP Smart and open the app

Complete the following steps to install and open HP Smart, connect your printer, and begin using the app.

1. Visit 123.hp.com to download and install HP Smart on your device.

   NOTE: **iOS, iPadOS, Android, Windows 10, and macOS devices:** You can also download HP Smart from the respective app stores for the device.

2. Open HP Smart after installation.
   - **iOS/iPadOS/Android:** From the mobile device desktop or app menu, tap HP Smart.
   - **Windows 10:** From the computer desktop, click **Start**, and then select **HP Smart** from the app list.
   - **macOS:** From the Launchpad, select HP Smart.
3. Connect your printer wirelessly using HP Smart. See Connect your printer to a Wi-Fi network using HP Smart.
4. When prompted, create an HP account and register the printer.

Get more information about HP Smart

To learn how to connect, print, and scan using HP Smart, visit the website for your device:

- **iOS/iPadOS/Android**: www.hp.com/go/hpsmart-help
- **Windows 10**: www.hp.com/go/hpsmartwin-help
- **macOS**: www.hp.com/go/hpsmartmac-help

2 Connect your printer

This section describes different ways to connect your printer.

NOTE:

- Wireless connection feature and settings are applicable to wireless models only.
- **Windows 7**: You can download the HP printer software from 123.hp.com, install the software, and connect the printer wirelessly using the software.

Connect your printer to a Wi-Fi network using HP Smart

This topic describes how to connect your printer to a Wi-Fi network using HP Smart.

Install the HP Smart app on your computer or mobile device and use the app to set up or connect the printer to your Wi-Fi network.

For information about HP Smart including where to download the app, see Use the HP Smart app to print, scan, and manage.

1. Make sure your computer or mobile device is connected to your Wi-Fi network. On your mobile device, turn on Bluetooth and location services.

   NOTE: HP Smart uses Bluetooth for printer setup. It does not support Print using Bluetooth.

2. If your printer Wi-Fi was previously turned off, make sure to turn it on. For more information about wireless status, see Turn on or off the wireless capabilities of the printer.
3. If the printer is no longer in wireless setup mode, restore the printer network settings. See Restore network settings to default settings.
4. Open the HP Smart app on your computer or mobile device. See Use the HP Smart app to print, scan, and manage.
5. From HP Smart, click or tap the Plus icon ⊕ or **Add Printer**, and then choose the option to select or add a printer. If prompted, allow Bluetooth and location permissions.

   Follow the instructions to add the printer to your network.
6. When prompted, create or sign in to an HP account and register the printer.

NOTE: When the printer is connected successfully, the Wireless light stops blinking and remains on.

Connect your printer to a Wi-Fi network using Wi-Fi Protected Setup (WPS)

This topic describes how to connect your printer to a Wi-Fi network using WPS.

This wireless setup method can be used if your router has a WPS button. If the router does not have this button, it is recommended that you connect the printer using the HP Smart app. See Connect your printer to a Wi-Fi network using HP Smart.

1. Make sure your router and printer are not too far from each other.
2. Make sure your printer is in wireless setup mode. See Restore network settings to default settings.
3. Press the WPS button on your router.
4. Within two minutes, press and hold the Wireless button on the printer control panel for 5 seconds, and then release the button.
5. Wait while the printer automatically establishes the network connection. It takes up to two minutes. When the network connection is established, the Wireless light stops blinking and remains on.
6. Open the HP Smart app on your computer or mobile device. See Use the HP Smart app to print, scan, and manage.
7. From HP Smart, click or tap the Plus icon or **Add Printer**, and then choose the option to select or add a printer.

   Follow the instructions to add the printer to your network.
8. When prompted, create or sign in to an HP account and register the printer.

Connect your printer to computer using a USB cable

This topic describes how to connect your printer using a USB cable.

1. Connect the printer and computer using a USB cable.
2. Open the HP Smart app on your computer. See Use the HP Smart app to print, scan, and manage.
3. From HP Smart, click or tap the Plus icon or **Add Printer**, and then choose the option to select or add a printer.

   Follow the instructions to add the printer.
4. When prompted, create or sign in to an HP account and register the printer.

Change wireless settings

You can set up and manage the wireless connection for your printer. This includes printing information about network settings, turning the wireless function on or off, and restoring wireless settings.

Turn on or off the wireless capabilities of the printer

The blue Wireless light on the printer control panel is lit when the wireless capability of the printer is on.

Press the Wireless button to turn on or off the printer wireless capabilities.

Restore network settings to default settings

When there is a wireless connectivity issue, you can restore wireless settings to default, and then reset up the wireless connection between the printer and your device.

1. If the printer is in Sleep mode (the Ready light is on but dim), press the Resume/Cancel button to wake up the printer.
2. Press and hold the Wireless button on the printer control panel for more than 20 seconds. When the Attention light starts blinking, release the Wireless button.
3. The printer restarts automatically. When the Wireless light starts blinking, the printer is in wireless setup mode. You can now reset up a wireless connection between the printer and your device.

NOTE: Use the HP Smart app to connect the printer wirelessly.

Change the connection type

This topic describes how to change the way to connect your printer.

USB to a wireless connection (Windows 10/macOS)

If you want to change the way the printer is connected from USB to a wireless connection, use the HP Smart app to change the connection.

1. Unplug the USB cable from the printer.
2. Make sure your computer or mobile device is connected to your Wi-Fi network. On your mobile device, turn on Bluetooth and location services.
3. If your printer Wi-Fi was previously turned off, make sure to turn it on. For more information about wireless status, see Turn on or off the wireless capabilities of the printer.
4. If the printer is no longer in wireless setup mode, restore the printer network settings. See Restore network settings to default settings.
5. Open the HP Smart app on your computer or mobile device. See Use the HP Smart app to print, scan, and manage.
6. When prompted, create or sign in to an HP account and register the printer.
7. Follow the on-screen instructions to connect the printer to your Wi-Fi network.

USB to a wireless connection (Windows 7)

Use **Device Setup & Software** from the printer software to change from a USB to a wireless connection.

1. Open the HP printer software.

   If you have not installed the HP printer software on your computer, visit 123.hp.com to download and install the printer software.
2. In the printer software, click **Tools**, and then click **Device Setup & Software**.
3. Select **Convert a USB connected device to wireless**. Follow the on-screen instructions.

Wireless to a USB connection (Windows/macOS)

If you want to change the way the printer is connected from wireless to a USB connection, use the HP Smart app to change the connection.

1. Connect the printer and computer using a USB cable.
2. Open the HP Smart app on your computer. See Use the HP Smart app to print, scan, and manage.
3. From HP Smart, click or tap the Plus icon ⊕ or **Add Printer**, and then choose the option to select or add a printer. Follow the instructions to add the printer.
4. When prompted, create or sign in to an HP account and register the printer.

3 Load media

This section describes how to load different media into the printer and to load an original on the scanner glass.

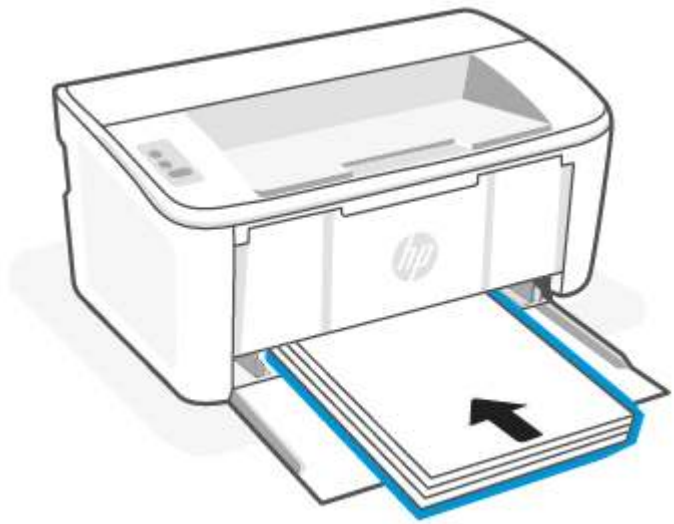
Load paper

This topic describes how to load paper into the input tray.

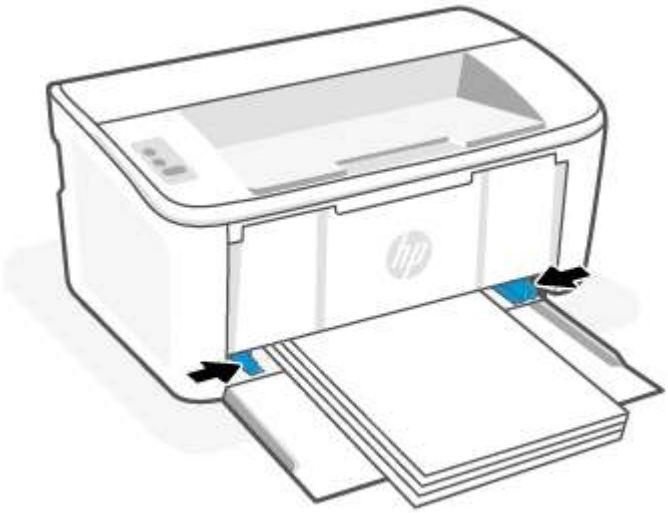
NOTE: To avoid paper jams:

- Never add or remove paper from the tray during printing.
- When loading the tray, do not fan the paper.
- Use paper that is not wrinkled, folded, or damaged.

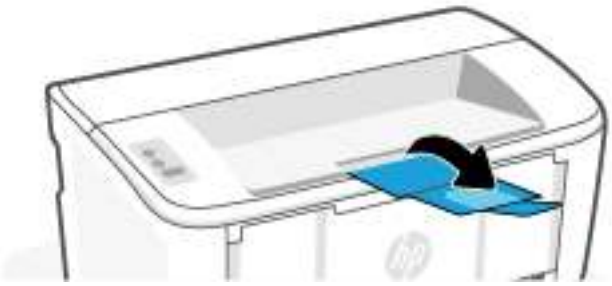
1. Remove all the media from the input tray if any.
2. Insert a stack of plain paper into the input tray with the top forward and the side to be printed on facing up. Push the stack into the tray until it stops.



3. Slide the paper guides until they touch the edges of the media.



4. Pull out the output tray extension.

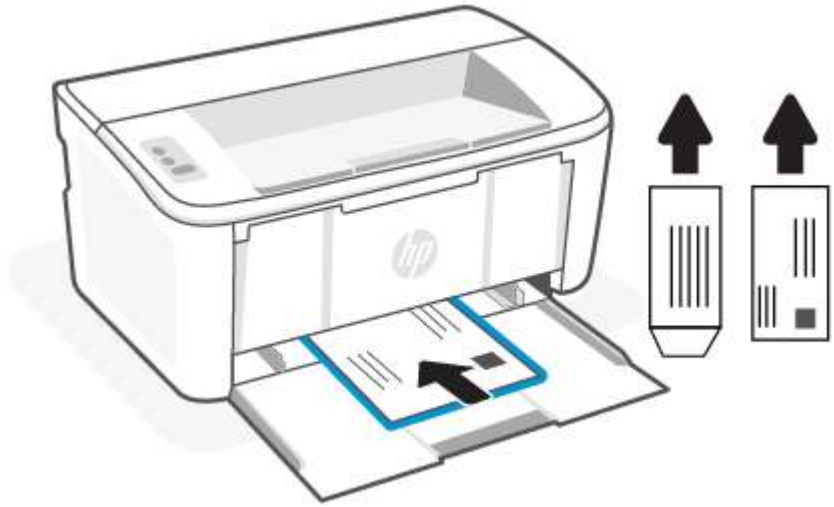


Load envelopes

This topic describes how to load an envelope into the input tray.

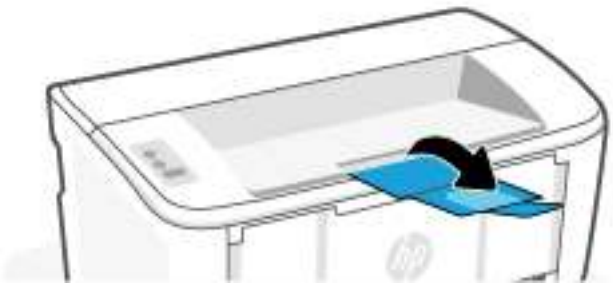
For a list of supported sizes and tray capacity, visit www.hp.com/support/ljM109a (base models) or www.hp.com/support/ljM109 (wireless models). Click **Product Information**, and then select the product specifications for your printer.

1. Remove all the media from the input tray if any.
2. Insert the envelope into the middle of the input tray with the short edge forward and the side to be printed on facing up. Push the stack into the tray until it stops.
   - If the envelope flap is on the short edge, position the envelope with the flap-side up and the short edge without the flap toward the printer.
   - If the envelope flap is on the long edge of the envelope, position the envelope with the flap-side down and the short postage end toward the back of the input tray.



3. Slide the paper guides until they touch the edges of the media.

4. Pull out the output tray extension.



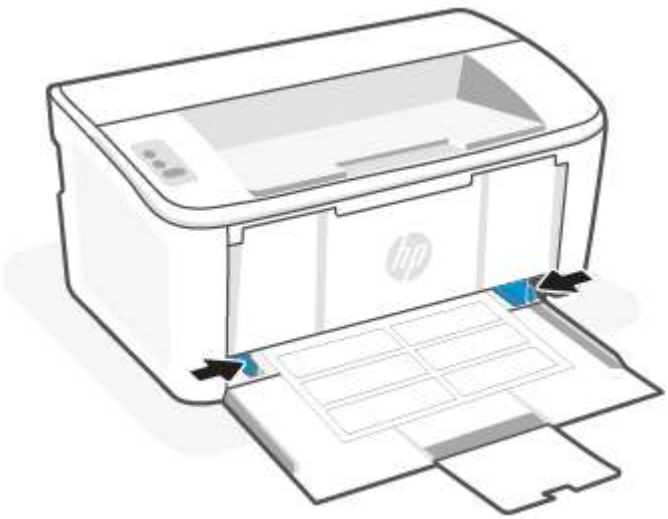
Load labels

This topic describes how to load labels into the input tray.

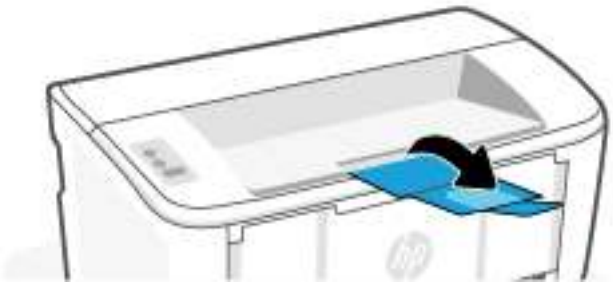
For a list of supported sizes and tray capacity, visit www.hp.com/support/ljM109a (base models) or www.hp.com/support/ljM109 (wireless models). Click **Product Information**, and then select the product specifications for your printer.

1. Remove all the media from the input tray if any.
2. Insert the sheet of labels into the middle of the input tray, with the top edge of the sheet toward the back of the tray. The side to be printed on should face up.

3. Slide the paper guides until they touch the edges of the media.



4. Pull out the output tray extension.



4 Print

This section describes how to print from different devices.

NOTE: When the Attention and Ready lights are blinking, the printer is initializing, cleaning, or cooling down. When the printer is cooling down print jobs might pause. Print jobs will continue when the engine is ready. This might take several minutes.

To provide productive printing, this printer may automatically enter cool down mode under certain environmental conditions when required.

Print from a Windows computer

This topic describes how to print from a Windows computer.

Make sure you have installed the HP Smart app. See Use the HP Smart app to print, scan, and manage.

Make sure you have loaded media into the input tray. See Load media.

Print documents

Use the **Print** option from a software application to select the printer and basic options for your print job.

1. From the software program, select the **Print** option.
2. Select the printer from the list of printers. To change settings, click the **Properties** or **Preferences** button to open the print driver.

   NOTE: The name of the button varies for different software programs.

3. Click the tabs in the print driver to configure the available options.
4. Click the **OK** button to return to the **Print** dialog box. Select the number of copies to print from this screen.
5. Click the **OK** button to print the job.

Manually print on both sides

You can print on both sides of the paper using a manual process. You will need to reload the pages for the second side.

1. From the software program, select the **Print** option.
2. Select the printer from the list of printers, and then click the **Properties** or **Preferences** button to open the print driver.

   NOTE: The name of the button varies for different software programs.

3. Click the **Layout** tab.
4. Select the **Print on Both Sides Manually** check box, and then click the **OK** button.

5. In the **Print** dialog box, click the **OK** button to print the job. The printer will print the first side of all the pages in the document first.

6. Go to the printer, and then remove any blank paper that is in the input tray.

7. Retrieve the printed stack from the output bin, and place it with the printed-side facing down, top edge first in the input tray.

8. At the computer, click the **OK** button to print the second side of the job.

9. If the Attention light starts blinking, press the Resume/Cancel button to continue.

Print multiple pages per sheet

When you print from a software application using the **Print** option, you can select an option to print multiple pages on a single sheet of paper. For example, you might want to do this if you are printing a very large document and want to save paper.

1. From the software program, select the **Print** option.

2. Select the printer from the list of printers, and then click the **Properties** or **Preferences** button to open the print driver.

NOTE: The name of the button varies for different software programs.

3. Click the **Layout** tab.

4. Select the correct number of pages per sheet from the **Pages per sheet** drop-down list.

5. Select the correct layout from the **Pages per Sheet Layout** drop-down list.

6. If you want to add page borders, select the **Page Borders** check box.

7. Select the correct paper orientation option, and then click the **OK** button to close the **Properties** or **Preferences** dialog box.

8. In the **Print** dialog box, click the **OK** button to print the job.

Print from a Mac computer

This topic describes how to print from a Mac computer.

Make sure you have installed the HP Smart app. See Use the HP Smart app to print, scan, and manage.

Make sure you have loaded media into the input tray. See Load media.

If you have not added the printer to the system, follow these steps to enable printing first.

1. From the computer, open **System Preference**, and select **Printers and Scanners**.
2. Click the Add button/icon **+**, select the printer from the printer list, and then click **Add**.

Print documents

Use the **Print** option from a software application to select the printer and basic options for your print job.

1. Click the **File** menu, and then click the **Print** option.
2. Select the printer.
3. Click **Show Details** or **Copies & Pages**, and then select other menus to adjust the print settings.

   NOTE: The name of the item varies for different software programs.

4. Click the **Print** button.

Manually print on both sides

You can print on both sides of the paper using a manual process. You will need to reload the pages for the second side.

NOTE: This feature is available if you install the HP print driver. It might not be available if you are using AirPrint.

1. Click the **File** menu, and then click the **Print** option.
2. Select the printer.
3. Click **Show Details** or **Copies & Pages**, and then click the **Manual Duplex** menu.

   NOTE: The name of the item varies for different software programs.

4. Click the **Manual Duplex** box, and select a binding option.
5. Click the **Print** button.
6. Go to the printer, and then remove any blank paper that is in the input tray.

7. Retrieve the printed stack from the output bin, and place it with the printed-side facing down, top edge first in the input tray.

8. If the Attention light starts blinking, press the Resume/Cancel button to continue.

Print multiple pages per sheet

When you print from a software application using the **Print** option, you can select an option to print multiple pages on a single sheet of paper. For example, you might want to do this if you are printing a very large document and want to save paper.

1. Click the **File** menu, and then click the **Print** option.
2. Select the printer.
3. Click **Show Details** or **Copies & Pages**, and then click the **Layout** menu.

NOTE: The name of the item varies for different software programs.

4. From the **Pages per Sheet** drop-down list, select the number of pages that you want to print on each sheet.
5. In the **Layout Direction** area, select the order and placement of the pages on the sheet.
6. From the **Borders** menu, select the type of border to print around each page on the sheet.
7. Click the **Print** button.

Print with mobile devices

HP mobile printing solutions enable easy printing to the printer from mobile devices.

You can use the HP Smart app to print documents and photos from your mobile device, social media account, or cloud storage. See Use the HP Smart app to print, scan, and manage.

You can also print directly from your mobile devices using AirPrint (iOS and iPadOS) or HP Print Service Plugin (Android):

- **iOS:** Devices running iOS 4.2 or later have AirPrint pre-installed.
- **iPadOS:** Devices have AirPrint pre-installed.
- **Android:** Download the HP Print Service Plugin from the Google Play Store or your favorite app store, and then enable it on your device.

NOTE: You can print using HP Smart or AirPrint/HP Print Service Plugin when the mobile device is on the same network as the printer or a different network (using Wi-Fi Direct).

Print while connected to same Wi-Fi network

You can print documents and photos from your mobile device when the device is on the same Wi-Fi network as the printer.

Visit www.hp.com/go/mobileprinting for more information on mobile printing.

NOTE: Make sure your mobile device and printer are connected to the same Wi-Fi network. See Connect your printer to a Wi-Fi network using HP Smart.

Print without connecting to same Wi-Fi network (Wi-Fi Direct)

With Wi-Fi Direct, you can directly connect your computer or mobile device to the printer and print wirelessly— without connecting your computer or mobile device to an existing wireless network.

Visit www.hp.com/go/wifidirectprinting for more information on Wi-Fi Direct.

NOTE:

- Make sure Wi-Fi Direct on your printer is turned on. To check, open the EWS (see Access the Embedded Web Server (EWS)), click the **Networking** tab, and then click the **Wi-Fi Direct Setup** link in the left navigation pane.
- Up to 5 computers and mobile devices can connect to the printer using Wi-Fi Direct connection.

Print with mobile device using Wi-Fi Direct

you can directly connect your mobile device to the printer with Wi-Fi Direct, and then print.

1. On the mobile device, open the **Wi-Fi** or the **Wi-Fi Direct** menu.
2. From the list of available networks, select the printer name.

   NOTE: If the printer name does not display, you might be out of range of the Wi-Fi Direct signal. Move the device closer to the printer.

3. If prompted, enter the Wi-Fi Direct password.

   NOTE: For Android devices that support Wi-Fi Direct, if the connection method is set to **Automatic**, the connection will occur automatically, without a password prompt. If the connection method is set to **Manual**, you will need to either press the Wireless button on the printer to connect to an Android device, or provide a personal identification number (PIN) — available on a printed report— to connect to Windows 10 devices.

   NOTE: To access the Wi-Fi Direct password, from the Embedded Web Server, click the **Networking** tab, and then click **Wi-Fi Direct Setup**.

4. Open the document, and then select the **Print** option.

NOTE: If the mobile device does not support printing, install the HP Smart app.

5. Select the printer from the list of available printers, and then select **Print**.

After the print job is complete, some mobile devices need to be reconnected to the local network.

Enable or disable Wi-Fi Direct

Wi-Fi Direct capabilities can be enabled or disabled from the HP Embedded Web Server (EWS).

1. Open the HP Embedded Web Server. See Access the Embedded Web Server (EWS).
2. On the **Networking** tab, click the **Wi-Fi Direct Setup** link in the left navigation pane.
3. Select the **On** option, and then click **Apply**. Selecting the **Off** option disables Wi-Fi Direct printing.

Change the Wi-Fi Direct name

In environments where more than one model of the same printer is installed, it might be helpful to provide each printer a unique Wi-Fi Direct name for easier printer identification for Wi-Fi Direct printing.

Follow this procedure to change the printer Wi-Fi Direct name using the HP Embedded Web Server (EWS):

1. Open the HP Embedded Web Server. See Access the Embedded Web Server (EWS).
2. On the **Networking** tab, click the **Wi-Fi Direct Setup** link in the left navigation pane.
3. In the **Wi-Fi Direct Name** field, enter the new name.
4. Click **Apply**.

5 Configure your printer

This section describes how to configure your printer.

Configure the printer using the Embedded Web Server (EWS)

Use the HP Embedded Web Server to manage printing functions from your computer instead of the printer control panel.

- View printer status information
- Determine the remaining life for all supplies and order new ones
- View and change tray configurations
- Receive notification of printer and supplies events
- View and change network configuration

Access the Embedded Web Server (EWS)

The HP Embedded Web Server works when the printer is connected to an IP-based network. The HP Embedded Web Server does not support IPX-based printer connections. You do not have to have Internet access to open and use the HP Embedded Web Server.

When the printer is connected to the network, the HP Embedded Web Server is automatically available.

NOTE: HP Device Toolbox is software used to connect to the HP Embedded Web Server when the printer is connected to a computer via USB. It is available only if a full installation was performed when the printer was installed on a computer. Depending on how the printer is connected, some features might not be available.

You can open EWS using one of the following methods.

Open the Embedded Web Server using HP Smart (iOS, iPadOS, Android, and Windows 10)

You can open the Embedded Web Server from the HP Smart app.

1. Open the HP Smart app on your computer or mobile device. See Use the HP Smart app to print, scan, and manage.
2. From HP Smart, select your printer, and then click or tap **Advanced Settings**.

Open the Embedded Web Server using an IP address (Wi-Fi connection)

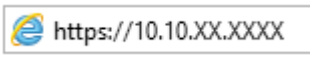
Your printer must be connected to an IP-based network before you can access the Embedded Web Server.

An administrator password for access to the Embedded Web Server can be assigned to prevent unauthorized users from changing the printer settings. Check with your administrator first to see if you have access.

1. Print a configuration page to determine the IP address or host name.
   a. If the printer is in Sleep mode (the Ready light is on but dim), press the Resume/Cancel button to wake up the printer.

b. Press and hold the Resume/Cancel button on the control panel until the Ready light begins blinking, and then release the button.

2. Open a web browser, and in the address line, type the IP address or host name exactly as it displays on the configuration page. Press the Enter key on the computer keyboard. The Embedded Web Server opens.



NOTE: If the web browser displays a message indicating that accessing the website might not be safe, select the option to continue to the website. Accessing this website will not harm the computer.

Open the Embedded Web Server using an IP address (Wi-Fi Direct connection)

You can open the Embedded Web Server from a web browser using the Wi-Fi Direct connection IP address.

1. Make sure your device and the printer are connected using Wi-Fi Direct. See Print without connecting to same Wi-Fi network (Wi-Fi Direct).

2. Open a web browser, type the following IP address or hostname of the printer in the address bar, and then click or tap **Enter**.

   IP Address: `192.168.223.1`

Open EWS using HP Printer software (Windows 7)

Use this method to open the EWS from the HP Printer Assistant software.

1. From the computer desktop, click **Start**, select **All Programs**, click **HP**, click the folder for the printer, and then select the icon with the printer name to open **HP Printer Assistant**.

2. In **HP Printer Assistant**, select the **Print** tab.

3. Select one of the following according to your printer connection.

   - **USB-connected printers:** Select **HP Device Toolbox**.
   - **Network-connected printers:** Select **Printer Home Page (EWS)**.

HP Embedded Web Server features

The following table describes the printer settings that you can configure with HP Embedded Web Server.

Table 5-1 HP Embedded Web Server features

Tab or section	Description
Home tab Provides printer, status, and configuration information.	• **Device Status**: Shows the printer status and shows the approximate percent life remaining of HP supplies. • **Supplies Status**: Shows the approximate percent life remaining of HP supplies. Actual supply life remaining can vary. Consider having a replacement supply available to install when print quality is no longer acceptable. The supply does not need to be replaced unless the print quality is no longer acceptable. • **Device Configuration**: Shows the information found on the printer configuration page. • **Network Summary**: Shows the information found on the printer network configuration page. • **Event Log**: Shows a list of all printer events and errors. • **Open Source Licenses**: Shows a summary of the licenses for open source software programs that can be used with the printer.
System tab Provides the ability to configure the printer from your computer.	• **Device Information**: Provides basic printer and company information. • **Paper Setup**: Change the default paper-handling settings for the printer. • **Energy Settings**: Change the default times for entering Sleep/Auto Off mode or automatic shut down. • **System Setup**: Change the system defaults for the printer. • **Supply Settings**: Change the settings for **Cartridge is low** alert and other supplies information. • **Service**: Start the Fuser or Cartridge Cleaning mode, turn **Less Paper Curl** or **Archive Print** on or off for printing, or change USB connection speed. • **Administration**: Set or change the printer password. Enable or disable printer features. NOTE: The **System** tab can be password-protected. If this printer is on a network, always consult with the administrator before changing settings on this tab.
Networking tab (Network-connected printers only) Provides the ability to change network settings from your computer.	Network administrators can use this tab to control network-related settings for the printer when it is connected to an IP-based network. It also allows the network administrator to set up Wi-Fi Direct functionality. This tab does not appear if the printer is directly connected to a computer. NOTE: The **Networking** tab can be password-protected. If this printer is on a network, always consult with the administrator before changing settings on this tab.

Configure IP network settings

Use the HP Embedded Web Server to change the printer name and network settings.

Printer sharing disclaimer

HP does not support peer-to-peer networking, as the feature is a function of Microsoft operating systems and not of the HP printer drivers.

Go to Microsoft at www.microsoft.com.

View or change network settings

Use the HP Embedded Web Server to view or change IP configuration settings.

1. Open the HP Embedded Web Server. See Access the Embedded Web Server (EWS).

2. Click the **Networking** tab to obtain network information. Change settings as needed.

Rename the printer on a network

Use the HP Embedded Web Server to rename the printer on a network so that it can be uniquely identified.

1. Open the HP Embedded Web Server. See Access the Embedded Web Server (EWS).
2. Open the **System** tab.
3. On the **Device Information** page, the default printer name is in the **Device Description** field. You can change this name to uniquely identify this printer.

   NOTE: Completing the other fields on this page is optional.

4. Click the **Apply** button to save the changes.

Manually configure IPv4 TCP/IP parameters

Use the Embedded Web Server to manually set an IPv4 address, subnet mask, and default gateway.

1. Open the HP Embedded Web Server. See Access the Embedded Web Server (EWS).
2. Click the **Networking** tab.
3. In the **IPv4 Configuration** area, select **Manual IP**, and then edit the IPv4 configuration settings.
4. Click the **Apply** button.

Printer security features

The printer includes several security features to restrict who has access to configuration settings, to secure data, and to prevent access to valuable hardware components.

Assign or change the system password using the HP Embedded Web Server

Assign an administrator password for access to the printer and the HP Embedded Web Server so that unauthorized users cannot change the printer settings.

1. Open the HP Embedded Web Server. See Access the Embedded Web Server (EWS).
2. On the **System** tab, click the **Administration** link in the left navigation pane.
3. In the area labeled **Product Security**, enter the password in the **Password** field.
4. Re-enter the password in the **Confirm Password** field.
5. Click the **Apply** button.

   NOTE: Make note of the password and store it in a safe place.

Energy-conservation settings

The printer includes several economy features to conserve energy and supplies.

Set the Sleep/Auto Off After Inactivity setting

Use the Embedded Web Server to set the amount of idle time before the printer enters sleep mode.

Complete the following procedure to change the Sleep/Auto Off After setting:

1. Open the HP Embedded Web Server. See Access the Embedded Web Server (EWS).
2. Click the **System** tab, and then select **Energy Settings**.
3. From the **Sleep/Auto Off After Inactivity** drop-down, select the time for the delay.
4. Click the **Apply** button.

Set the Shut Down After Inactivity delay and configure the printer to use 1 watt or less of power

Use the Embedded Web Server to set the amount of time before the printer shuts down.

NOTE: After the printer shuts down, the power consumption is 1 watt or less.

Complete the following procedure to change the Shut Down After Delay setting:

1. Open the HP Embedded Web Server. See Access the Embedded Web Server (EWS).
2. Click the **System** tab, and then select **Energy Settings**.
3. From the **Shut Down After Inactivity** drop-down, select the time for the delay.
4. Click the **Apply** button.

Set the Delay Shut Down setting

Use the Embedded Web Server to select whether or not the printer delays shutting down after the power button is pressed.

Complete the following procedure to change the Delay Shut Down setting:

1. Open the HP Embedded Web Server. See Access the Embedded Web Server (EWS).
2. Click the **System** tab, and then select **Energy Settings**.
3. Select or clear the **Delay when ports are active** option.

   NOTE: When this option is selected the printer will not shut down unless all ports are inactive. An active network link will prevent the printer from shutting down.

Advanced configuration with HP Utility for macOS

Use the HP Utility to check printer status or to view or change printer settings from a computer.

You can use the HP Utility when the printer is connected with a USB cable or is connected to a TCP/IP-based network.

Open HP Utility

Follow these steps to open HP Utility.

1. At the computer, open the **Applications** folder.
2. Select **HP**, and then select **HP Utility**.

HP Utility features

The HP Utility toolbar includes these items:

- **Devices**: Click this button to show or hide Mac products found by the HP Utility.
- **All Settings**: Click this button to return to the HP Utility main view.
- **HP Support**: Click this button to open a browser and go to the HP support website.
- **Supplies**: Click this button to open the HP SureSupply website.
- **Registration**: Click this button to open the HP registration website.
- **Recycling**: Click this button to open the HP Planet Partners Recycling Program website.

HP Utility consists of pages that you open by clicking in the **All Settings** list. The following table describes the tasks that you can perform with HP Utility.

Table 5-2 Settings available from HP Utility

Item	Description
Supplies Status	Show the printer supplies status and gain access to links for ordering supplies online.
Device Information	Show information about the currently selected printer, including the printer Service ID (if assigned), the firmware version (FW Version), the Serial Number, and the IP address.
Commands	Send special characters or print commands to the printer after the print job. NOTE: This option is available only after you open the **View** menu and select the **Show Advanced Options** item.
File Upload	Transfer files from the computer to the printer. You can upload the following types of files: • HP LaserJet printer command language (.PRN) • Portable document format (.PDF) • Postscript (.PS) • Text (.TXT)
Power Management	Configure the printer economy settings.
Update Firmware	Transfer a firmware update file to the printer. NOTE: This option is available only after you open the **View** menu and select the **Show Advanced Options** item.
HP Connected	Access the HP Connected website.
Message Center	Display error events that have occurred with the printer.
Network Settings	Configure the network settings, such as the IPv4 settings, IPv6 settings, Bonjour settings, and other settings.
Supplies Management	Configure how the printer should behave when supplies are nearing the end of their estimated life.
Trays Configuration	Change paper size and type for each of the trays.
Additional Settings	Open the HP Embedded Web Server (EWS) for the printer.
Proxy Server Settings	Configure a proxy server for the printer.

Update the firmware

HP offers periodic printer updates. Follow these steps to update the printer firmware for a single printer.

Dynamic Security Enabled Printers

This printer is intended to work only with cartridges that have a new or reused HP chip. A reused HP chip enables the use of reused, remanufactured, and refilled cartridges.

The printer uses dynamic security measures to block cartridges using a non-HP chip. Periodic firmware updates delivered over the internet will maintain the effectiveness of the dynamic security measures and block cartridges that previously worked.

Updates can improve, enhance, or extend the printer's functionality and features, protect against security threats, and serve other purposes, but these updates can also block cartridges using a non-HP chip from working in the printer, including cartridges that work today. Unless you are enrolled in certain HP programs such as Instant Ink or use other services that require automatic online firmware updates, most HP printers can be configured to receive updates either automatically or with a notification that allows you to choose whether to update or not. For more information on dynamic security and how to configure online firmware updates, please go to www.hp.com/learn/ds.

Update the firmware using the Firmware Update Utility

Install the Firmware Update Utility to update the printer firmware.

Use these steps to manually download and install the Firmware Update Utility from HP.com.

NOTE: This method is the only firmware update option available for printers connected to the computer via a USB cable. It also works for printers connected to a network.

NOTE: You must have a print driver installed in order to use this method.

1. Go to www.hp.com/go/support, select your country/region or language, and then click the **Software and Drivers** link.
2. Type the printer name in the search field, press the ENTER button, and then select the printer from the list of search results.
3. Select the operating system.
4. Under the **Firmware** section, locate the **Firmware Update Utility**.
5. Click **Download**, click **Run**, and then click **Run** again.
6. When the utility launches, select the printer from the drop-down list, and then click **Send Firmware**.

   NOTE: To print a configuration page to verify the installed firmware version before or after the update process, click **Print Config**.

7. Follow the on-screen instructions to complete the installation, and then click the **Exit** button to close the utility.

6 Supplies, accessories, and parts

Order supplies or accessories, replace the toner cartridges, or remove and replace another part.

Dynamic Security Enabled Printers

This printer is intended to work only with cartridges that have a new or reused HP chip. A reused HP chip enables the use of reused, remanufactured, and refilled cartridges.

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Order supplies, accessories, and parts

This topic describes how to order supplies, accessories, and parts.

Table 6-1 Ordering options and references

Option	Reference
Order supplies and paper	www.hp.com/go/suresupply
Order genuine HP parts or accessories	www.hp.com/buy/parts
Order through service or support providers	Contact an HP-authorized service or support provider.
Order using the HP Embedded Web Server (EWS)	The EWS contains a link to the HP SureSupply website, which provides options for purchasing Original HP supplies. To open EWS, see Access the Embedded Web Server (EWS).

NOTE: You can also order using the HP Smart app. For information about this app, see Use the HP Smart app to print, scan, and manage.

Table 6-2 Supplies and accessories information

Supplies	Country/Region	Description	Cartridge number	Part number
HP 141A Black Toner Cartridge	North America, Australia, and New Zealand	Standard-capacity replacement black toner cartridge	141A	W1410A
HP 142A Black Toner Cartridge	Europe	Standard-capacity replacement black toner cartridge	142A	W1420A

Table 6-2 Supplies and accessories information (continued)

Supplies	Country/Region	Description	Cartridge number	Part number
HP 150A Black Toner Cartridge	Mexico, ISE, Hong Kong, Taiwan, Korea, Singapore	Standard-capacity replacement black toner cartridge	150A	W1500A

Configure the HP toner-cartridge-protection supply settings

Use HP Cartridge Policy and Cartridge Protection to control which cartridges are installed in the printer and protect the cartridges that are installed from theft.

- Cartridge Policy: This feature protects the printer from counterfeit toner cartridges by allowing only genuine HP cartridges to be used with the printer. Using genuine HP cartridges ensures the best possible print quality. When someone installs a cartridge that is not a genuine HP cartridge, the printer control panel displays a message that the cartridge is unauthorized and it provides information explaining how to proceed.
- Cartridge Protection: This feature permanently associates toner cartridges with a specific printer, or fleet of printers, so they cannot be used in other printers. Protecting cartridges protects your investment. When this feature is enabled, if someone attempts to transfer a protected cartridge from the original printer into an unauthorized printer, that printer will not print with the protected cartridge. The printer control panel displays a message that the cartridge is protected, and it provides information explaining how to proceed.

CAUTION: After enabling cartridge protection for the printer, all subsequent toner cartridges installed in the printer are automatically and *permanently* protected. To avoid protecting a new cartridge, disable the feature *before* installing the new cartridge.

Turning the feature off does not turn off protection for cartridges that are currently installed.

Both features are off by default. Follow these procedures to enable or disable them.

Enable or disable the Cartridge Policy feature

The Cartridge Policy feature can be enabled or disabled using the HP Embedded Web Server (EWS).

NOTE: Enabling or disabling this feature might require entering an administrator password.

1. Open the EWS. See Access the Embedded Web Server (EWS).
2. Click the **System** tab, and then select **Supply Settings** from the left navigation pane.
3. From the **Cartridge Policy** drop-down list, select **Off** to disable the feature or select **Authorized HP** to enable the feature.

   If the feature is enabled, only genuine HP cartridges can be used with the printer.
4. Click the **Apply** button.

Enable or disable the Cartridge Protection feature

The Cartridge Protection feature can be enabled or disabled using the HP Embedded Web Server (EWS).

NOTE: Enabling or disabling this feature might require entering an administrator password.

1. Open the EWS. See Access the Embedded Web Server (EWS).

2. Click the **System** tab, and then select **Supply Settings** from the left navigation pane.
3. From the **Cartridge Protection** drop-down list, select **Off** to disable the feature or select **Protect cartridges** to enable the feature.

   If the feature is enabled, the cartridges that are associated with the printer cannot be used in other printers.
4. Click the **Apply** button.

Replace the toner cartridge

This section describes how to replace the cartridges.

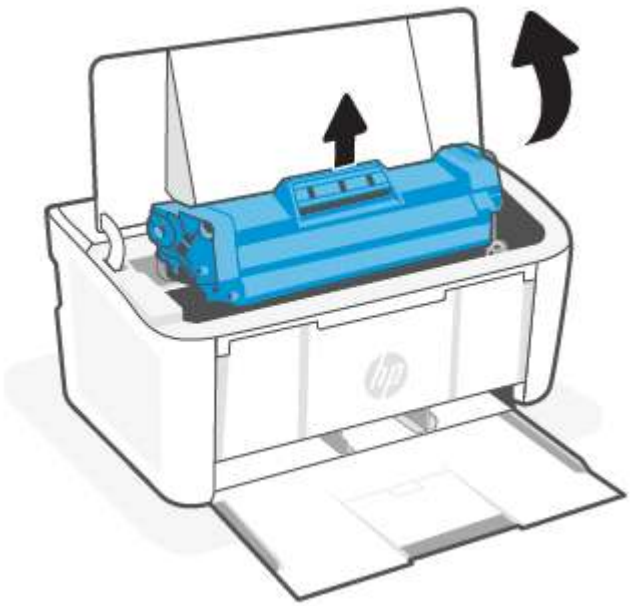
Cartridge information

Continue printing with the current cartridge until redistributing the toner no longer yields acceptable print quality. To redistribute the toner, remove the toner cartridge from the printer and gently rock the cartridge back and forth about its horizontal axis. For graphical representation, see cartridge replacement instructions. Reinsert the toner cartridge into the printer and close the cover.

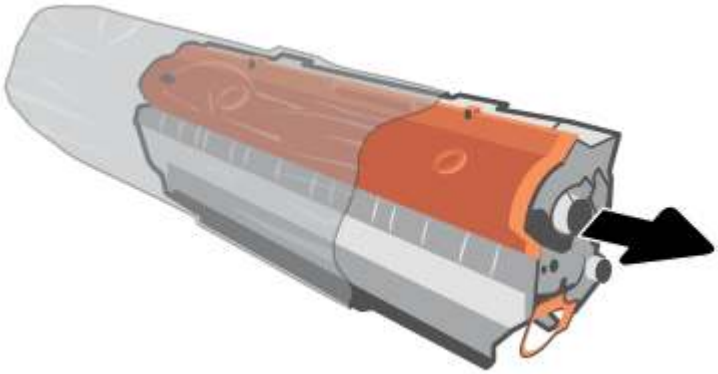
Remove and replace the toner cartridge

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

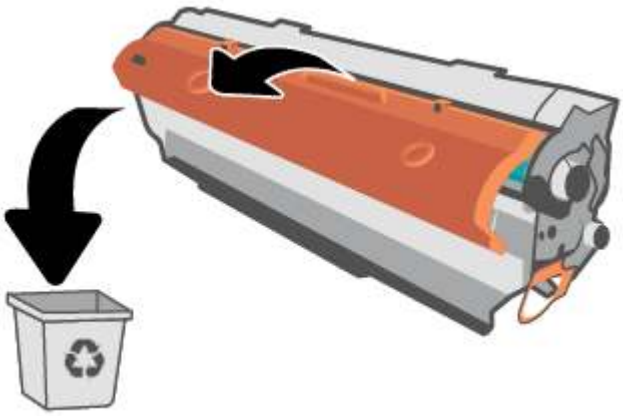
1. Open the print-cartridge door, and then remove the old print cartridge.



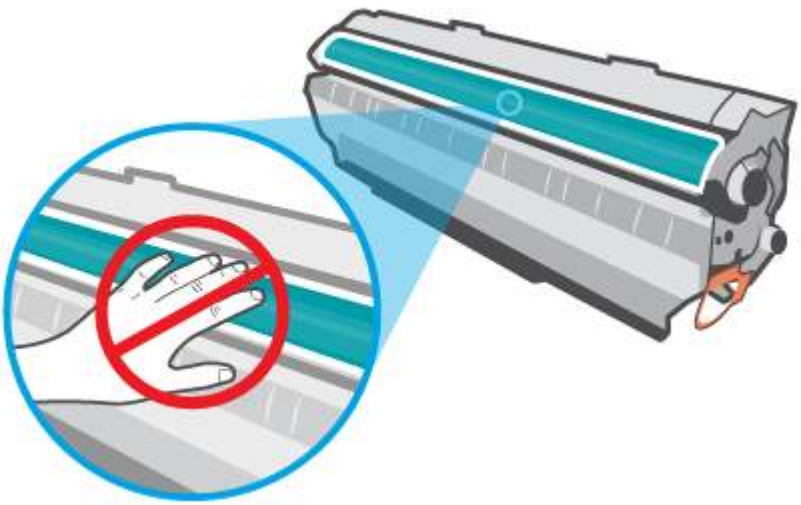
2. Remove the new print cartridge from the packaging. Place the used print cartridge in the bag and box for recycling.



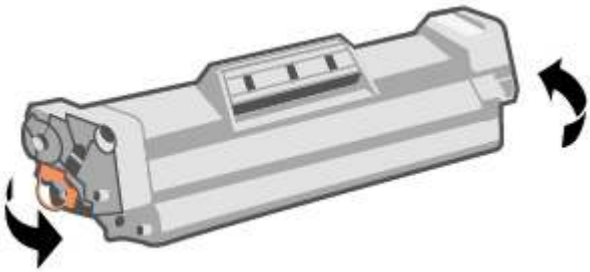
3. Remove the orange cover from the print cartridge.



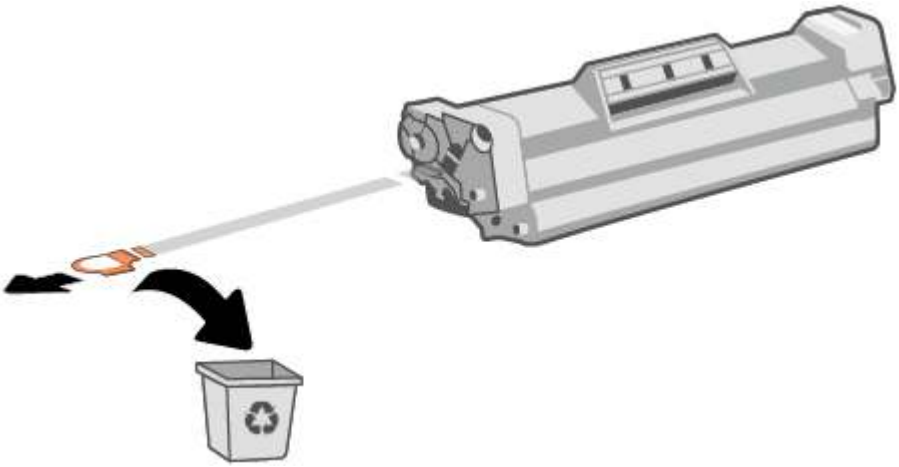
⚠ CAUTION: To prevent damage to the print cartridge, hold the print cartridge at each end. Do not touch the roller surface.



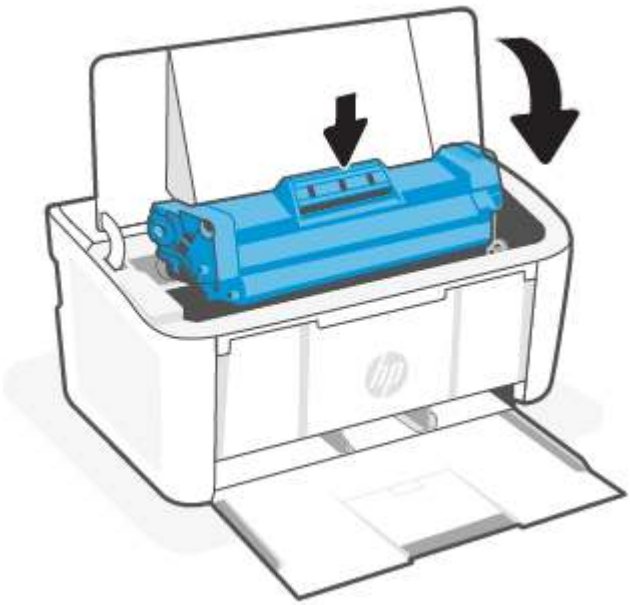
4. Grasp both sides of the print cartridge and gently rock the print cartridge from side to side five or six times to distribute the toner evenly inside the cartridge.



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



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



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

7 Solve problems

This section suggests solutions to common problems.

You can also get help from the HP Smart app. HP Smart provides alerts for printer issues (jams and other problems), links to help content, and options to contact support for additional assistance. For more information, see Use the HP Smart app to print, scan, and manage.

If the suggestions do not solve the problems, try getting help using one of the support services, see HP support.

Printer is unable to print

This topic describes how to troubleshoot when the printer is unable to print.

Check printer connection to the Internet

Verify that the printer is connected to the Internet. If disconnected, the printer will not work as expected.

Your printer might be occasionally disconnected from the Internet (for example. power outage, network or router issues or turning off the printer when not in use). You might be able to print a limited number of pages while the printer is disconnected, but it is critical to reconnect the printer to continue printing.

Make sure to use Original HP cartridges

Check that you are using Original HP cartridges. Original HP cartridges are manufactured and sold by HP in official HP packaging. HP+ printers require Original HP cartridges. If non-Original HP supplies or refilled cartridges are installed, HP+ printers will not operate as expected.

Check the printer settings and status

Check the printer settings and status to find errors.

Print a configuration page to check information about printer errors:

1. If the printer is in Sleep mode (the Ready light is on but dim), press the Resume/Cancel button to wake up the printer.
2. Press and hold the Resume/Cancel button on the control panel until the Ready light begins blinking, and then release the button.

TIP: To set up the printer wirelessly, see Connect your printer to a Wi-Fi network using HP Smart.

If you are still unable to print, visit the HP Support website www.hp.com/support/ljM109a (base models) or www.hp.com/support/ljM109 (wireless models).

Interpret control-panel light patterns

If the printer requires attention, different light status appear on the control panel.

Table 7-1 Status-light legend

Symbol for "light off"	Symbol for "light on"	Symbol for "light blinking (2 blinks per 3 seconds)"

Table 7-2 Control-panel light patterns

Light status	State of the printer	Action
The Attention light is blinking.	The printer requires user attention.	Depending on the printer state, check Table 7-3 Printer states and recommended actions for recommended action to take.
The Attention and Ready lights are on.	The printer has experienced a fatal error from which it cannot recover.	1. Turn off the printer or disconnect the power cord from the printer. 2. Wait 30 seconds, and then turn on the printer or reconnect the power cord to the printer. 3. Wait for the printer to initialize. If the error persists, contact HP customer support.
The Attention and Ready lights are blinking.	The printer is initializing, cleaning, or cooling down.	It does not require any action.

Table 7-3 Printer states and recommended actions

State of the printer	Action
The printer is in manual-feed mode.	Load the correct paper type and size into the input tray. Press the Resume/Cancel button to continue.
The printer is processing a manual duplex job.	Load the pages into the input tray to print the second sides. Press the Resume/Cancel button to continue.
The input tray is empty.	Load the tray and press the Resume/Cancel button to continue. NOTE: Wireless models have a paper sensor and will continue automatically after paper is loaded.
A door is open.	Verify that the toner-cartridge door is fully closed.

Table 7-3 Printer states and recommended actions (continued)

State of the printer	Action
The printer has failed to pick up a sheet of paper to process a print job.	Verify that paper is correctly loaded, and then press the Resume/Cancel button to continue.
Paper is jammed in the printer.	Check for jams in the input tray, the output bin, and the toner cartridge area. Clear the jam. See Clear paper jams. Press the Resume/Cancel button to continue.
The toner cartridge is missing or incorrectly installed.	Verify that all supplies are in place and installed correctly.
The toner cartridge is very low.	Replace the toner cartridge. See Remove and replace the toner cartridge. NOTE: There will be no attention state if the printer is configured to continue printing when the toner cartridge is very low.
The toner cartridge is incompatible with the printer, possibly due to a missing or damaged memory chip.	Replace the toner cartridge. See Remove and replace the toner cartridge.
The toner cartridge has been protected on another printer.	Replace the toner cartridge. See Remove and replace the toner cartridge.
The printer has detected an unauthorized toner cartridge.	Replace the toner cartridge. See Remove and replace the toner cartridge.
The loaded paper is not the size needed for the print job.	Replace the paper, or press the Resume/Cancel button to continue with the size currently loaded.
The printer has experienced a general engine error.	Press the Resume/Cancel button to continue. If the error repeats, turn off the printer. Wait 30 seconds, and then turn on the printer.
Incorrect firmware has been loaded.	Press the Resume/Cancel button to continue, load the correct firmware.

Restore the factory-set defaults

Restoring the factory-set defaults returns all of the printer and network settings to the factory defaults. It will not reset the page count.

CAUTION: Restoring the factory-set defaults returns all of the settings to the factory defaults, and it also deletes any pages that are stored in the memory.

1. Open the HP Embedded Web Server. See Access the Embedded Web Server (EWS).
2. On the **System** tab, click **Service**.
3. In the **Restore Defaults** area, click the **Restore defaults** button.

   The printer automatically restarts.

A “Cartridge is low” or “Cartridge is very low” message appears

Understand the cartridge-related messages and what actions to take.

Cartridge is low: The printer indicates when a cartridge level is low. Actual cartridge life remaining may vary. Consider having a replacement available to install when print quality is no longer acceptable. The cartridge does not need to be replaced now.

Continue printing with the current cartridge until redistributing the toner no longer yields acceptable print quality. To redistribute the toner, remove the toner cartridge from the printer and gently rock the cartridge back and forth about its horizontal axis. For graphical representation, see cartridge replacement instructions. Reinsert the toner cartridge into the printer and close the cover.

Cartridge is very low: The printer indicates when the cartridge level is very low. Actual cartridge life remaining may vary. Consider having a replacement available to install when print quality is no longer acceptable. The cartridge does not need to be replaced now unless the print quality is no longer acceptable.

Once an HP toner cartridge has reached **Very Low**, HP's Premium Protection Warranty on that toner cartridge has ended.

You can change the way the printer reacts when supplies reach the **Very Low** state. You do not have to re-establish these settings when you install a new toner cartridge.

Change the "Very Low" settings

You can configure how the printer will notify you about very low cartridge levels.

1. Open the HP Embedded Web Server. See Access the Embedded Web Server (EWS).
2. Select the **System** tab, and then select **Supply Settings**.
3. Select one of the following options from the **Very Low Setting (Black Cartridge):** drop-down list:
   - Select the **Stop** option to set the printer to stop printing until you replace the cartridge.
   - Select the **Continue** option to set the printer to alert you that the cartridge is very low, but to continue printing.

Printer does not pick up paper or misfeeds

The following solutions can help solve problems if the printer is not picking up paper from the tray or is picking up multiple sheets of paper at one time. Either of these situations can result in paper jams.

The product does not pick up paper

If the product does not pick up paper from the tray, try these solutions.

1. Open the product and remove any jammed sheets of paper.
2. Load the tray with the correct size of paper for your job.
3. Make sure the paper size and type are set correctly on the product control panel.
4. Make sure the paper guides in the tray are adjusted correctly for the size of paper. Adjust the guides to the appropriate indentation in the tray.
5. The rollers above the tray might be contaminated. Clean the rollers with a lint-free cloth dampened with warm water.

The product picks up multiple sheets of paper

If the product picks up multiple sheets of paper from the tray, try these solutions.

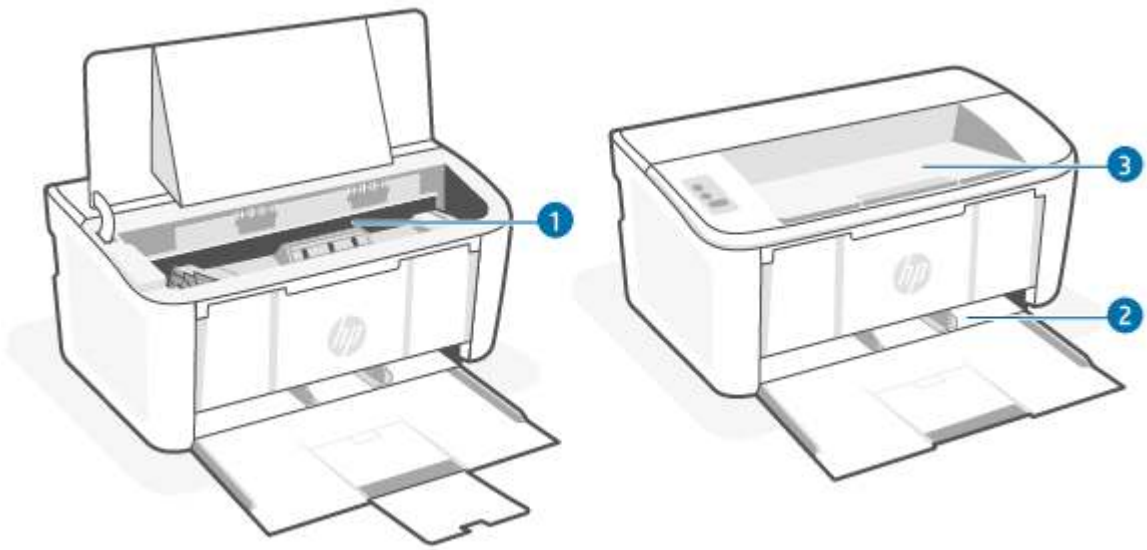
1. Remove the stack of paper from the tray and flex it, rotate it 180 degrees, and flip it over. *Do not fan the paper.* Return the stack of paper to the tray.
2. Use only paper that meets HP specifications for this product.
3. Use paper that is not wrinkled, folded, or damaged. If necessary, use paper from a different package.
4. Make sure the tray is not overfilled. If it is, remove the entire stack of paper from the tray, straighten the stack, and then return some of the paper to the tray.
5. Make sure the paper guides in the tray are adjusted correctly for the size of paper. Adjust the guides to the appropriate indentation in the tray.
6. Make sure the printing environment is within recommended specifications.

Clear paper jams

This topic helps you troubleshoot jams and paper-feed issues.

Jam locations

Jams can occur at the following locations in the product.



Feature	Description
1	Internal areas
2	Input tray
3	Output bin

NOTE: Jams can occur in more than one location.

Experiencing frequent or recurring paper jams?

Follow these steps to solve problems with frequent paper jams. If the first step does not resolve the problem continue with the next step until you have resolved the problem.

1. If paper has jammed in the printer, clear the jam and then print a configuration page to test the printer.
2. Check that the tray is configured for the correct paper size and type. Adjust paper settings if necessary.
   a. Open the HP Embedded Web Server. See Access the Embedded Web Server (EWS).
   b. Click the **System** tab, and then click the **Paper Setup** page.
   c. Select the type of paper that is in the tray.
   d. Select the size of paper that is in the tray.
3. Turn the printer off, wait 30 seconds, and then turn it on again.
4. Print a cleaning page to remove excess toner from inside the printer. See Print a cleaning page.
5. Print a configuration page to test the printer.
   a. If the printer is in Sleep mode (the Ready light is on but dim), press the Resume/Cancel button to wake up the printer.
   b. Press and hold the Resume/Cancel button on the control panel until the Ready light begins blinking, and then release the button.

If none of these steps resolves the problem, the printer might need service. Contact HP customer support.

Clear jams from the input tray

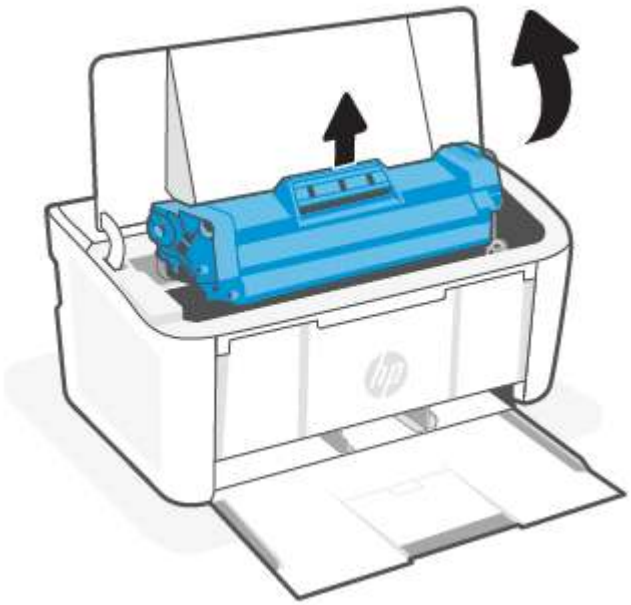
Use the following procedure to clear paper jams from the input tray.

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

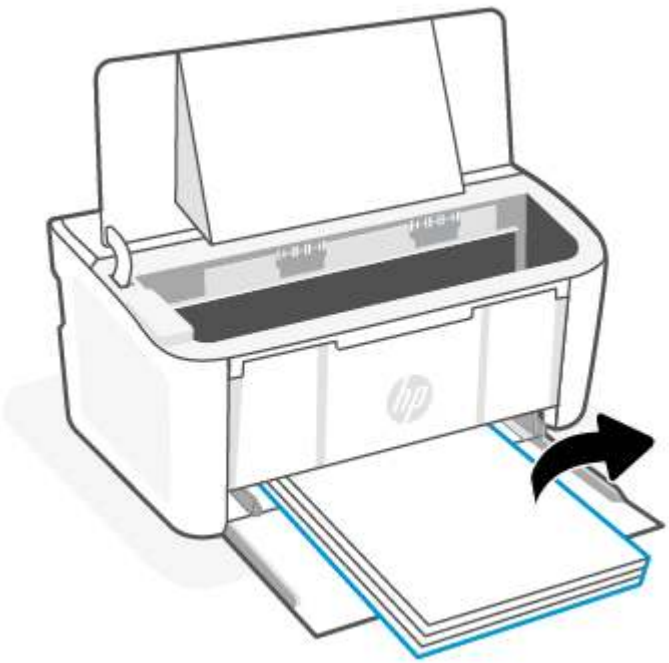
When removing jammed media, pull the jammed media straight away from the product. Pulling jammed media out of the product at an angle can damage the product.

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

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

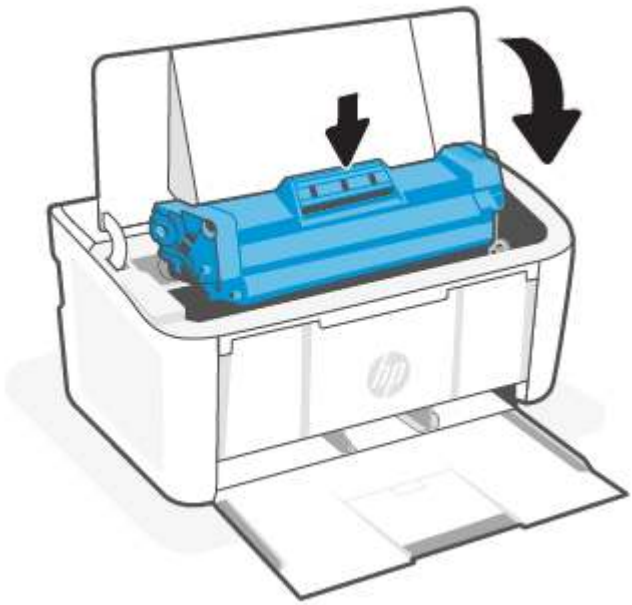


2. Remove the media stack from the input tray.



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

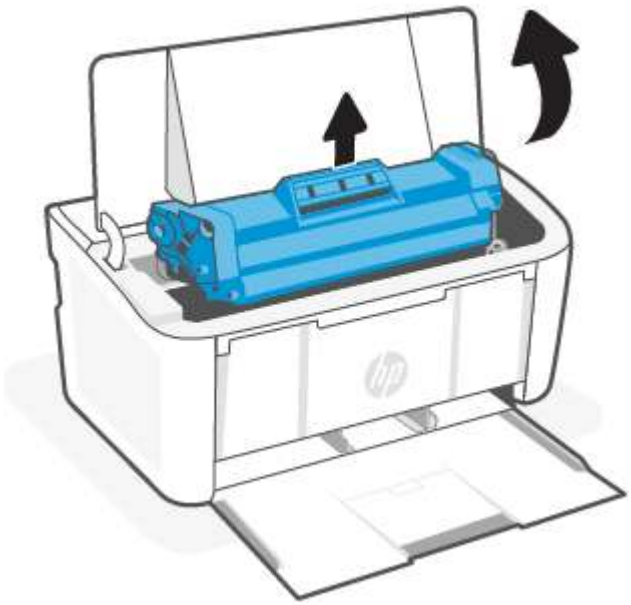
4. Reinstall the print cartridge, and then close the print-cartridge door.



Clear jams from inside the product

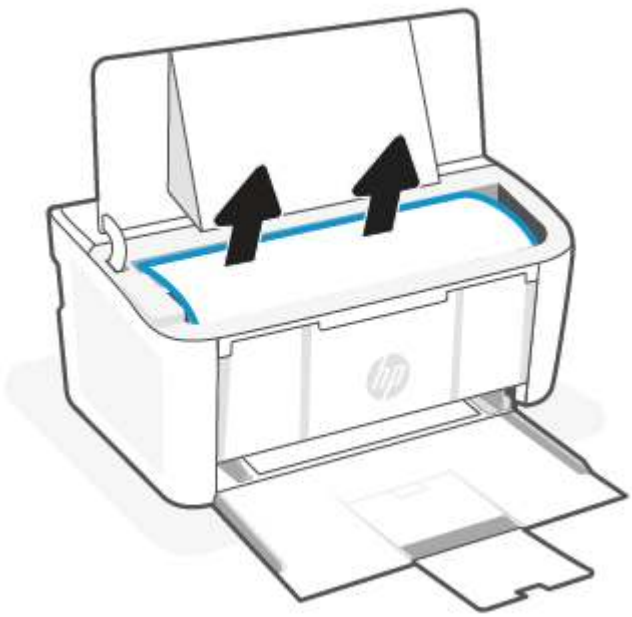
Use the following procedure to check for jams from inside the product.

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

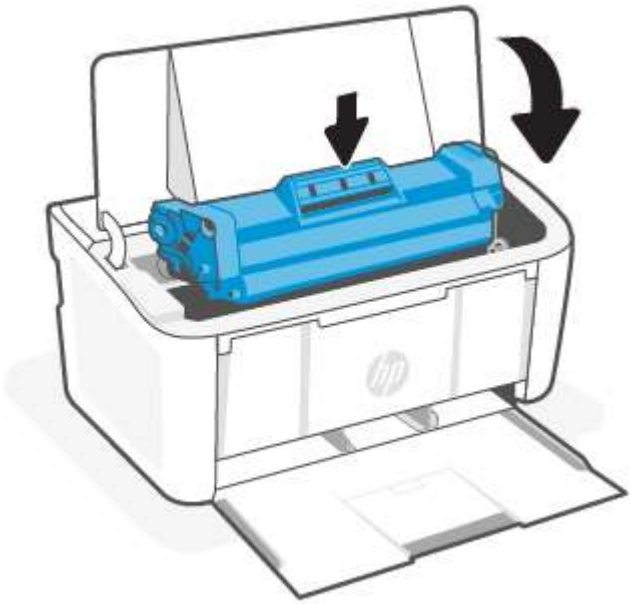


⚠ CAUTION: To prevent damage, do not expose the print cartridge to light. Cover it with a piece of paper.

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



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

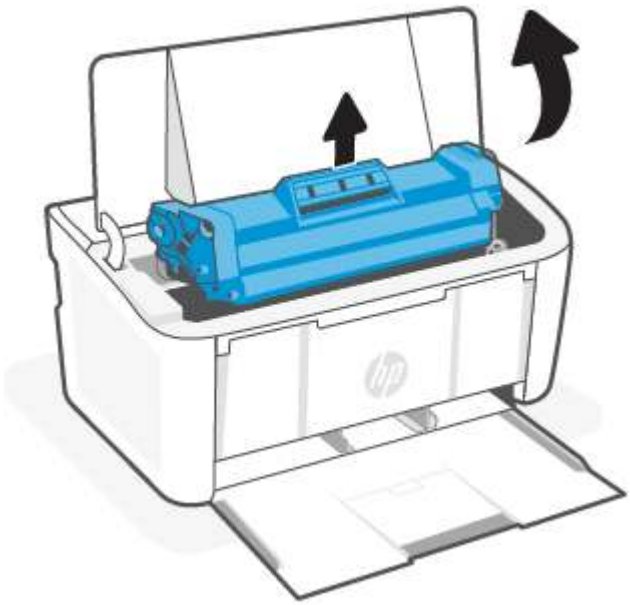


Clear jams from the output areas

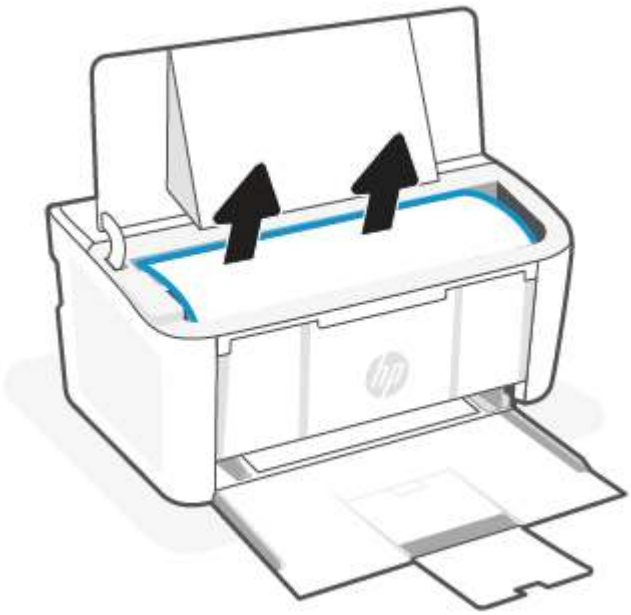
Use the following procedure to check for paper in all possible jam locations in the output areas.

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

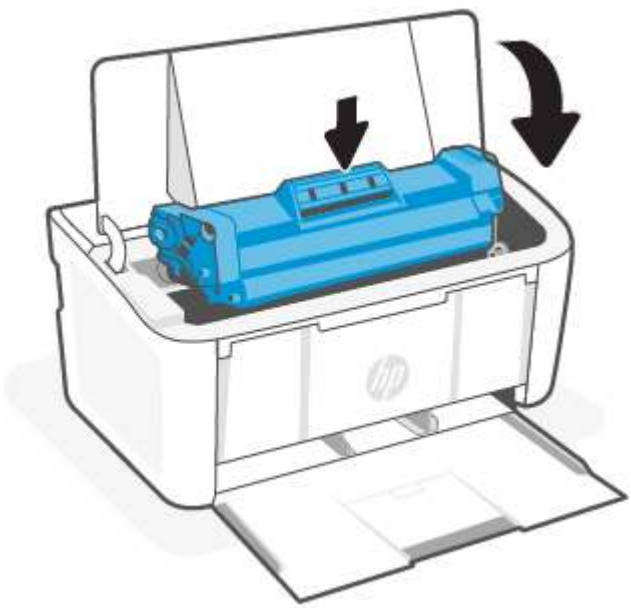
1. Open the print-cartridge door, and then remove the print cartridge.



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



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



Improve print quality

The following information provides troubleshooting steps to resolve print-quality problems, including the following problems:

- Smears

- Fuzzy print
- Dark print
- Light print
- Streaks
- Missing toner
- Scattered dots of toner
- Loose toner
- Skewed images

To resolve these or other print-quality problems, try the following solutions in the order presented.

For information about resolving specific image defects, see Troubleshoot print quality problems.

Update the printer firmware

Try upgrading the printer firmware.

For more information, see Update the firmware.

Print from a different software program

Try printing from a different software program. If the page prints correctly, the problem is with the software program from which you were printing.

Check the paper-type setting for the print job

Check the paper type setting when printing from a software program and the printed pages have smears, fuzzy or dark print, curled paper, scattered dots of toner, loose toner, or small areas of missing toner.

Check the paper type setting on the printer

Check the paper type loaded to the input tray, and change the setting as needed.

1. Check the printer input tray to see if it is loaded with the correct type of paper.
2. Verify that the paper is correctly loaded. See Load media.

Check the paper type setting (Windows)

Check the paper type setting for Windows, and change the setting as needed.

1. From the software program, select the **Print** option.
2. Select the printer, and then click the **Properties** or **Preferences** button.
3. Click the **Paper/Quality** tab.
4. From the **Paper Type** drop-down list, select the option for the type of paper you are using, and click the **OK** button.
5. Click the **OK** button to close the **Document Properties** dialog box. In the **Print** dialog box, click the **OK** button to print the job.

Check the paper type setting (macOS)

Check the paper type setting for macOS, and change the setting as needed.

1. Click the **File** menu, and then click the **Print** option.
2. In the **Printer** menu, select the printer.
3. By default, the print driver displays the **Copies & Pages** menu. Open the menus drop-down list, and then click the **Finishing** menu.
4. Select a type from the **Media Type** drop-down list.
5. Click the **Print** button.

Check toner-cartridge status

Follow these steps to check the estimated life remaining in the toner cartridges and if applicable, the status of other replaceable maintenance parts.

Step one: Find supplies information on configuration page

Supplies information is included on the configuration page.

1. If the printer is in Sleep mode (the Ready light is on but dim), press the Resume/Cancel button to wake up the printer.
2. Press and hold the Resume/Cancel button on the control panel until the Ready light begins blinking, and then release the button.

Step two: Check supplies status

The configuration page contains information about the cartridges and other replaceable maintenance parts.

1. Look at the configuration page to check the supplies status of the toner cartridges and if applicable, the status of other replaceable maintenance parts.

   Print quality problems can occur when using a toner cartridge that is at its estimated end of life. The configuration page indicates when a supply level is very low.

   Once an HP toner cartridge has reached Very Low, HP's Premium Protection Warranty on that toner cartridge has ended.

   The toner cartridge does not need to be replaced now unless the print quality is no longer acceptable. Consider having a replacement available to install when print quality is no longer acceptable.

   If you determine that you need to replace a toner cartridge or other replaceable maintenance parts, the configuration page lists the genuine HP part numbers.

2. Check to see if you are using a genuine HP cartridge.

   A genuine HP toner cartridge has "HP" on it, or has the HP logo on it. For more information on identifying HP cartridges go to www.hp.com/go/learnaboutsupplies.

Cartridge cleaning

During the printing process, cartridges might be contaminated by paper dust and cause print quality issues such as background issues, vertical dark bands, or repetitive horizontal banding.

To improve the above mentioned print quality issues, start the Cartridge Cleaning mode to begin the cleaning process. See Print a cleaning page.

Print a cleaning page

During the printing process, paper, toner, and dust particles can accumulate inside the printer and can cause print-quality issues such as toner specks or spatter, smears, streaks, lines, or repeating marks.

Use the following procedure to print a cleaning page.

1. Open the HP Embedded Web Server. See Access the Embedded Web Server (EWS).
2. Click the **System** tab, and then click **Service**.
3. In the **Cartridge Cleaning Mode** area, click **Start** to begin the cleaning process.

Visually inspect the toner cartridge

Follow these steps to inspect the toner cartridge.

1. Remove the toner cartridges from the printer, and verify that the sealing tape has been removed.
2. Check the memory chip for damage.
3. Examine the surface of the green imaging drum.

   ⚠ CAUTION: Do not touch the imaging drum. Fingerprints on the imaging drum can cause print-quality problems.

4. If you see any scratches, fingerprints, or other damage on the imaging drum, replace the toner cartridge.
5. Reinstall the toner cartridge, and print a few pages to see if the problem has resolved.

Check paper and the printing environment

Using paper that does not meet HP specifications might cause some print quality problems. The environment can directly affect print quality. Follow these steps to check paper and the printing environment.

Step one: Use paper that meets HP specifications

Some print-quality problems arise from using paper that does not meet HP specifications.

- Always use a paper type and weight that this printer supports.
- Use paper that is of good quality and free of cuts, nicks, tears, spots, loose particles, dust, wrinkles, voids, staples, and curled or bent edges.
- Use paper that has not been previously printed on.
- Use paper that does not contain metallic material, such as glitter.
- Use paper that is designed for use in laser printers. Do not use paper that is designed only for use in Inkjet printers.
- Use paper that is not too rough. Using smoother paper generally results in better print quality.

Step two: Check the environment

The environment can directly affect print quality and is a common cause for print-quality or paper-feeding issues. Try the following solutions:

- Move the printer away from drafty locations, such as open windows or doors, or air-conditioning vents.
- Make sure the printer is not exposed to temperatures or humidity outside of printer specifications.
- Do not place the printer in a confined space, such as a cabinet.
- Place the printer on a sturdy, level surface.
- Remove anything that is blocking the vents on the printer. The printer requires good air flow on all sides, including the top.
- Protect the printer from airborne debris, dust, steam, grease, or other elements that can leave residue inside the printer.

Adjust Print Density

Adjust the print density when your printing results are too dense or too light in color.

Complete the following steps to adjust the print density.

1. Open the HP Embedded Web Server. See Access the Embedded Web Server (EWS).
2. Click the **System** tab, and then select **System Setup** from the left navigation pane.
3. Select the correct density settings.
4. Click **Apply** to save the changes.

Troubleshoot print quality problems

The following information provides common troubleshooting steps for solving image defect issues and examples of specific image defects and steps to resolve these defects.

Table 7-4 Image defects and quick reference to solutions

Image defect	Quick reference	Image defect	Quick reference
Light print	Table 7-5 Light print	Gray background or dark print	Table 7-6 Gray background or dark print
Blank pages	Table 7-7 Blank page — No print	Black pages	Table 7-8 Black page
Dark or light bands	Table 7-9 Banding defects	Dark or light streaks	Table 7-10 Streak defects
Missing toner	Table 7-11 Fixing/fuser defects	Skewed images	Table 7-12 Image placement defects
Colors that do not align	Table 7-13 Color plane registrations defects (color models only)	Curled paper	Table 7-14 Output defects

Image defects, no matter the cause, can often be resolved using the same steps. Use the following steps as a starting point for solving image defect issues.

1. Reprint the document. Print quality defects can be intermittent in nature or can go away completely with continued printing.
2. Check the condition of the cartridge. If a cartridge is in a **Very Low** state (it has passed the rated life), replace the cartridge.
3. Make sure that the driver and tray print mode settings match the media that is loaded in the tray. Try using a different ream of media or a different tray. Try using a different print mode.
4. Make sure that the printer is within the supported operating temperature/humidity range.
5. Make sure that the paper type, size, and weight are supported by the printer. See the printer support page at www.hp.com/support for a list of the supported paper sizes and types for the printer.

NOTE: The term “fusing” refers to the part of the printing process where toner is affixed to paper.

The following examples depict letter-size paper that has passed through the printer short-edge first.

Table 7-5 Light print

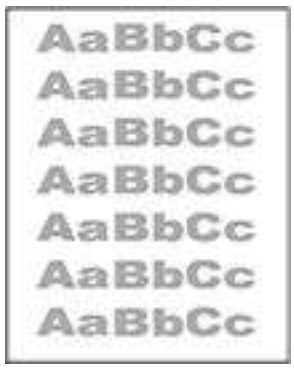
Description	Sample	Possible solutions
Light print: The printed content on the entire page is light or faded.		1. Reprint the document. 2. Remove the cartridge, and then shake it to redistribute the toner. 3. Make sure that the cartridge is installed correctly. 4. Print a configuration page and check for life and usage of the cartridge: a. If the printer is in Sleep mode (the Ready light is on but dim), press the Resume/Cancel button to wake up the printer. b. Press and hold the Resume/Cancel button on the control panel until the Ready light begins blinking, and then release the button. 5. Replace the cartridge. 6. If the problem persists, go to www.hp.com/support.

Table 7-6 Gray background or dark print

Description	Sample	Possible solutions
Gray background or dark print: The image or text is darker than expected.		1. Make sure that the paper in the trays has not already been run through the printer. 2. Use a different paper type. 3. Reprint the document. 4. **Mono models only:** From the printer Embedded Web Server, go to the Adjust Toner Density menu, and then adjust the toner density to a lower level. 5. Make sure that the printer is in within the supported operating temperature and humidity range. 6. Replace the cartridge. 7. If the problem persists, go to www.hp.com/support.

Table 7-7 Blank page — No print

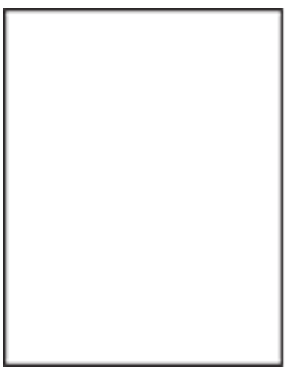
Description	Sample	Possible solutions
Blank page — No print: The page is completely blank and contains no printed content.		1. Make sure that the cartridge is genuine HP cartridges. 2. Make sure that the cartridge is installed correctly. 3. Print with a different cartridge. 4. Check the paper type in the paper tray and adjust the printer settings to match. If necessary, select a lighter paper type. 5. If the problem persists, go to www.hp.com/support.

Table 7-8 Black page

Description	Sample	Possible solutions
Black page: The entire printed page is black.		1. Visually inspect the cartridge to check for damage. 2. Make sure that the cartridge is installed correctly. 3. Replace the cartridge 4. If the problem persists, go to www.hp.com/support.

Table 7-9 Banding defects

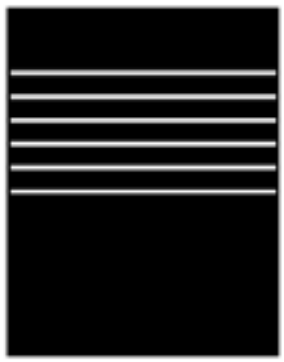
Description	Sample	Possible solutions
Repetitive wide-pitch banding and Impulse bands: Dark or light lines which repeat down the length of the page. They might be sharp or soft in nature. The defect displays only in areas of fill, not in text or sections with no printed content.		1. Reprint the document. 2. Replace the cartridge. 3. Use a different paper type. 4. If the problem persists, go to www.hp.com/support.

Table 7-10 Streak defects

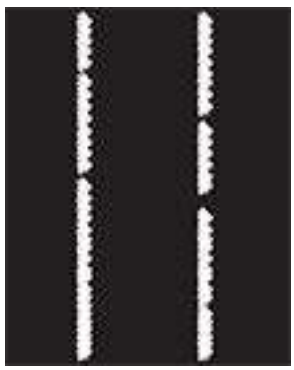
Description	Sample	Possible solutions
Light vertical streaks: Light streaks that usually span the length of the page. The defect displays only in areas of fill, not in text or sections with no printed content.		1. Reprint the document. 2. Remove the cartridge, and then shake it to redistribute the toner. 3. If the problem persists, go to www.hp.com/support. NOTE: Both light and dark vertical streaks can occur when the printing environment is outside the specified range for temperature or humidity. Refer to your printer's environmental specifications for allowable temperature and humidity levels.

Table 7-10 Streak defects (continued)

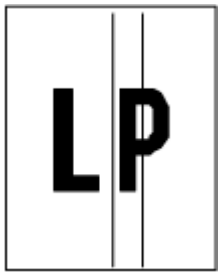
Description	Sample	Possible solutions
Dark vertical streaks and ITB cleaning streaks (color models only): Dark lines which occur down the length of the page. The defect might occur anywhere on the page, in areas of fill or in sections with no printed content.		1. Reprint the document. 2. Remove the cartridge, and then shake it to redistribute the toner. 3. Print a cleaning page. 4. Check the toner level in the cartridge. 5. If the problem persists, go to www.hp.com/support.

Table 7-11 Fixing/fuser defects

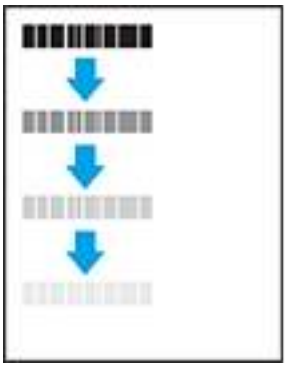
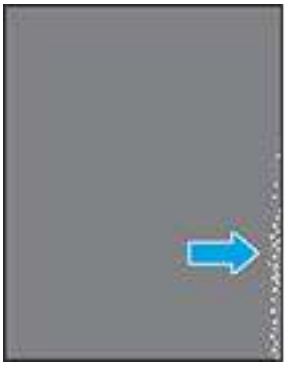
Description	Fixing/fuser	Possible solutions
Hot fuser offset (shadow): Slight shadows, or offsets, of the image repeated down the page. The repeated image might fade with each recurrence.		1. Reprint the document. 2. Check the paper type in the paper tray and adjust the printer settings to match. If necessary, select a lighter paper type. 3. If the problem persists, go to www.hp.com/support.
Poor fusing: Toner rubs off along either edge of page. This defect is more common at the edges of high-coverage jobs and on light media types but can occur anywhere on the page.		1. Reprint the document. 2. Check the paper type in the paper tray and adjust the printer settings to match. If necessary, select a heavier paper type. 3. If the problem persists, go to www.hp.com/support.

Table 7-12 Image placement defects

Description	Sample	Possible solutions
Margins and skew: The image is not centered, or is skewed on the page. The defect occurs when the paper is not positioned properly as it is pulled from the tray and moves through the paper path.		1. Reprint the document. 2. Remove the paper and then reload the tray. Make sure that all the paper edges are even on all sides. 3. Make sure that the top of the paper stack is below the tray full indicator. Do not overfill the tray. 4. Make sure that the paper guides are adjusted to the correct size for the paper. Do not adjust the paper guides tightly against the paper stack. Adjust them to the indentations or markings in the tray. 5. If the problem persists, go to www.hp.com/support.

Table 7-13 Color plane registrations defects (color models only)

Description	Sample	Possible solutions
Color plane registrations: One or more color of the planes is not aligned with the other color planes. The primary error will typically occur with yellow.		1. Reprint the document. 2. From the printer control panel, calibrate the printer. 3. If a cartridge has reached a **Very Low** state or the printed output is severely faded, replace the cartridge. 4. If the problem persists, go to www.hp.com/support.

Table 7-14 Output defects

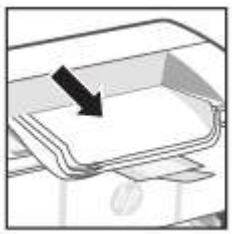
Description	Sample	Possible solutions
Output curl: Printed paper has curled edges. The curled edge can be along the short or long side of the paper. Two types of curl are possible: • **Positive curl:** The paper curls toward the printed side. The defect occurs in dry environments or when printing high coverage pages. • **Negative curl:** The paper curls away from the printed side. The defect occurs in high-humidity environments or when printing low coverage pages.		1. Reprint the document. 2. **Positive curl:** From the printer Embedded Web Server, select a heavier paper type. The heavier paper type creates a higher temperature for printing. **Negative curl:** From the printer Embedded Web Server, select a lighter paper type. The lighter paper type creates a lower temperature for printing. Try storing the paper in a dry environment prior or use freshly opened paper. 3. Print in duplex mode. 4. If the problem persists, go to www.hp.com/support.

Table 7-14 Output defects (continued)

Description	Sample	Possible solutions
Output stacking: The paper does not stack well in the output tray. The stack might be uneven, skewed, or the pages might be pushed out of the tray and onto the floor. Any of the following conditions can cause this defect: • Extreme paper curl • The paper in the tray is wrinkled or deformed • The paper is a non-standard paper type, such as envelopes • The output tray is too full		1. Reprint the document. 2. Extend the output bin extension. 3. If the defect is caused by extreme paper curl, complete the troubleshooting steps for Output curl. 4. Use a different paper type. 5. Use freshly opened paper. 6. Remove the paper from the output tray before the tray gets too full. 7. If the problem persists, go to www.hp.com/support.

Solve wireless network problems

This topic describes how to troubleshoot wireless network issues.

Wireless connectivity checklist

Check the following list to resolve common wireless connectivity issues.

- Verify that the printer and the wireless router are turned on and have power. Also make sure that the wireless radio in the printer is turned on.
- Verify that the service set identifier (SSID) is correct. Print a configuration page to determine the SSID:
  1. If the printer is in Sleep mode (the Ready light is on but dim), press the Resume/Cancel button to wake up the printer.
  2. Press and hold the Resume/Cancel button on the control panel until the Ready light begins blinking, and then release the button.

  If you are not sure the SSID is correct, run the wireless setup again.
- With secured networks, verify that the security information is correct. If the security information is incorrect, run the wireless setup again.
- If the wireless network is working correctly, try accessing other computers on the wireless network. If the network has Internet access, try connecting to the Internet over a wireless connection.
- Verify that the encryption method (AES or TKIP) is the same for the printer as it is for the wireless access point (on networks using WPA security).
- Verify that the printer is within the range of the wireless network. For most networks, the printer must be within 30 m (100 ft) of the wireless access point (wireless router).
- Verify that obstacles do not block the wireless signal. Remove any large metal objects between the access point and the printer. Make sure poles, walls, or support columns containing metal or concrete do not separate the printer and wireless access point.

- Verify that the printer is located away from electronic devices that might interfere with the wireless signal. Many devices can interfere with the wireless signal including motors, cordless phones, security system cameras, other wireless networks, and some Bluetooth devices.
- Verify that the print driver is installed on the computer.
- Verify that you have selected the correct printer port.
- Verify that the computer and printer connect to the same wireless network.
- For macOS, verify that the wireless router supports Bonjour.

The printer does not print after the wireless configuration completes

If the printer does not print after the wireless configuration completes, try these solutions.

1. Make sure that the printer is turned on and in the ready state.
2. Turn off any third-party firewalls on your computer.
3. Make sure that the wireless network is working correctly.
4. Make sure that your computer is working correctly. If necessary, restart the computer.
5. Verify that you can open the printer HP Embedded Web Server from a computer on the network.

The printer does not print, and the computer has a third-party firewall installed

If the printer does not print, and the computer has a third-party firewall installed, try these solutions.

1. Update the firewall with the most recent update available from the manufacturer.
2. If programs request firewall access when you install the printer or try to print, make sure you allow the programs to run.
3. Temporarily turn off the firewall, and then install the wireless printer on the computer. Enable the firewall when you have completed the wireless installation.

The wireless connection does not work after moving the wireless router or printer

If the wireless connection does not work after moving the wireless router or printer, try these solutions.

1. Make sure that the router or printer connects to the same network that your computer connects to.
2. Print a configuration page.
   a. If the printer is in Sleep mode (the Ready light is on but dim), press the Resume/Cancel button to wake up the printer.
   b. Press and hold the Resume/Cancel button on the control panel until the Ready light begins blinking, and then release the button.
3. Compare the service set identifier (SSID) on the configuration page to the SSID in the printer configuration for the computer.
4. If the numbers are not the same, the devices are not connecting to the same network. Reconfigure the wireless setup for the printer.

Cannot connect more computers to the wireless printer

If additional computers cannot connect to the wireless printer, try these solutions.

1. Make sure that the other computers are within the wireless range and that no obstacles block the signal. For most networks, the wireless range is within of the wireless access point.
2. Make sure that the printer is turned on and in the ready state.
3. Make sure there are not more than 5 concurrent Wi-Fi Direct users.
4. Turn off any third-party firewalls on your computer.
5. Make sure that the wireless network is working correctly.
6. Make sure that your computer is working correctly. If necessary, restart the computer.

The wireless printer loses communication when connected to a VPN

Typically, you cannot connect to a VPN and other networks at the same time.

Disconnect from the VPN, and then reconnect your printer and device to the same wireless network.

The network does not appear in the wireless networks list

If the network does not appear in the wireless networks list, try these solutions.

- Make sure the wireless router is turned on and has power.
- The network might be hidden. However, you can still connect to a hidden network.

The wireless network is not functioning

If the wireless network is not functioning, try these solutions.

1. To verify if the network has lost communication, try connecting other devices to the network.
2. Test network communication by pinging the network.
   a. Open a command-line prompt on your computer.
      - For Windows, click **Start**, click **Run**, type `cmd`, and then press Enter.
      - For macOS, go to **Applications**, then **Utilities**, and open **Terminal**.
   b. Type `ping` followed by the router IP address.
   c. If the window displays round-trip times, the network is working.
3. Make sure that the router or printer connects to the same network that the computer connects to.
   a. Print a configuration page.

      If the printer is in Sleep mode (the Ready light is on but dim), press the Resume/Cancel button to wake up the printer. Press and hold the Resume/Cancel button on the control panel until the Ready light begins blinking, and then release the button.

b. Compare the service set identifier (SSID) on the configuration page to the SSID in the printer configuration for the computer.

c. If the numbers are not the same, the devices are not connecting to the same network. Reconfigure the wireless setup for the printer.

Perform a wireless network diagnostic test

A wireless network diagnostic test can be performed using the printer control panel or the Embedded Web Server (EWS). The wireless network diagnostic test provides information about the wireless network settings.

Method one: Perform wireless network diagnostic test using the Embedded Web Server

From the HP Embedded Web Server, you can run a diagnostic test that provides information about the wireless network settings.

1. Open the HP Embedded Web Server. See Access the Embedded Web Server (EWS).
2. Select the **Networking** tab.
3. On the **Wireless Configuration** page, verify that the **On** option is selected.
4. Click the **Print Test Report** button to print a test page that shows test results.

Method two: Perform a wireless network diagnostic test using the printer control panel

From the printer control panel, you can run a diagnostic test that provides information about the wireless network settings.

1. If the printer is in Sleep mode (the Ready light is on but dim), press the Resume/Cancel button to wake up the printer.
2. Press and hold the Wireless button for more than 10 seconds (but less than 20 seconds).
3. When the Ready light starts blinking, release the button.

Reduce interference on a wireless network

The following tips can reduce interference in a wireless network:

- Keep the wireless devices away from large metal objects, such as filing cabinets, and other electromagnetic devices, such as microwaves and cordless telephones. These objects can disrupt radio signals.
- Keep the wireless devices away from large masonry structures and other building structures. These objects can absorb radio waves and lower signal strength.
- Position the wireless router in a central location in line of sight with the wireless printers on the network.

HP support

For the latest product updates and support information, visit the product support website at:

hp.com/support.

HP online support provides a variety of options for help with your printer:

Table 7-15 HP support

Icon	Description
	View video tutorials: Learn how to set up the printer and perform common tasks.
	Get troubleshooting assistance: Find information for resolving paper jams, network connection issues, print quality issues, printer errors, and more.
	Get software and drivers: Download software, drivers, and firmware you need for the printer.
	Ask the community: Join the community forums to find solutions, ask questions, and share tips.
	HP Diagnostics Solutions: Use HP online tools to detect your printer and find recommended solutions. You can automatically diagnose and resolve printer issues with HP Print and Scan Doctor. If you are using Windows 10, you can run the HP Print and Scan Doctor from HP Smart.

Contact HP

If you need help from an HP technical support representative to solve a problem, visit HP support website.

Go to www.hp.com/support. The following contact options are available at no cost for in-warranty customers (HP agent-assisted support for out-of warranty customers may require a fee):

Table 7-16 Contact HP

Option	Description
	Chat with an HP support agent or the HP Virtual Agent online.
	Call an HP support agent.

When contacting HP support, be prepared to provide the following information:

- Product name (located on the printer)
- Product number (located on a label inside the printer)
- Serial number (located on a label inside the printer)

Register printer

By taking just a few quick minutes to register, you can enjoy quicker service, more efficient support, and product support alerts.

If you did not register your printer while installing the software, you can register now at register.hp.com.

Additional warranty options

Extended service plans are available for the printer at additional costs.

Go to hp.com/support, select your country/region and language, then explore the service plan options available for your printer.

Additional supplies and toner information

For additional supplies and toner information and warranty policies, visit the following HP website.

Go to www.hp.com/go/learnaboutsupplies.

A Printer specifications

This topic describes the printer specifications.

IMPORTANT: The following specifications are correct at the time of publication, but they are subject to change. For current information, see www.hp.com/support/ljM109a (base models) or www.hp.com/support/ljM109 (wireless models).

Technical specifications

To learn main technical features of the printer, review the technical specifications for the printer.

For more information, visit www.hp.com/support. Select your country or region. Click **Product Support & Troubleshooting**. Enter the name shown on the front of the printer, and then select **Search**. Click **Product information**, and then click **Product specifications**.

System requirements

Make sure the devices you use with the printer meet system requirements.

For information about software and system requirements or future operating system releases and support, visit the HP online support website at www.hp.com/support/ljM109a (base models) or www.hp.com/support/ljM109 (wireless models).

Printer dimensions

Make sure your printer environment is large enough to accommodate the printer.

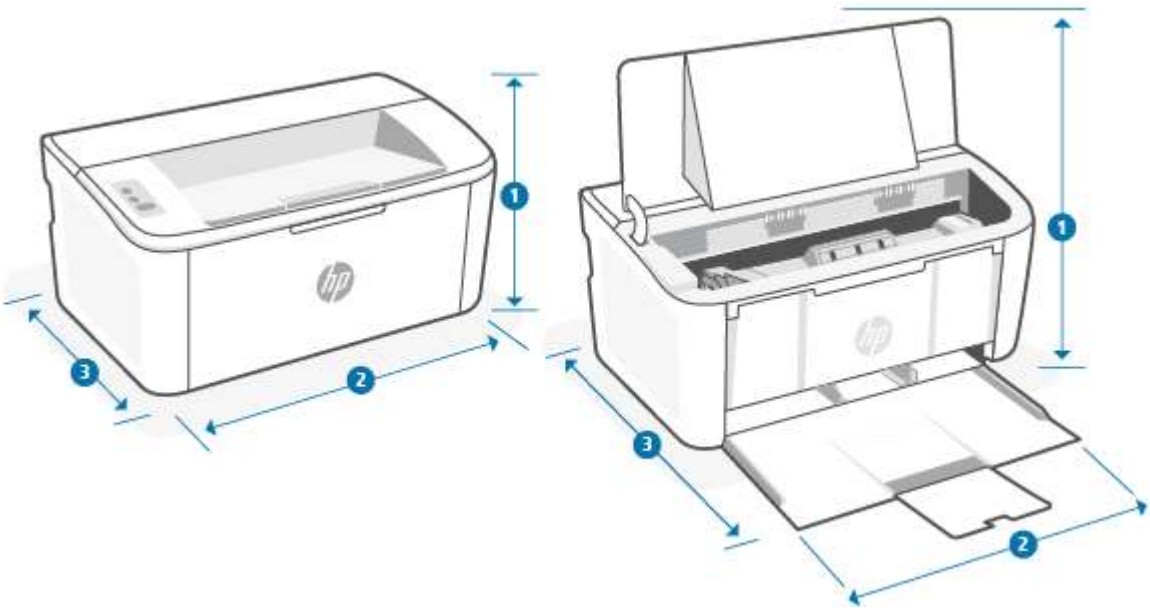


Table A-1 Dimensions for the printer

Dimension	Printer fully closed	Printer fully open
1. Height	159 mm (6.3 in)	280.1 mm (11.1 in)
2. Width	346 mm (13.6 in)	346 mm (13.6 in)
3. Depth	189 mm (7.4 in)	329.6 mm (13 in)
Weight (with cartridges)	3.7 kg (8.2 lb)	3.7 kg (8.2 lb)

Power consumption, electrical specifications, and acoustic emissions

In order to operate properly, the printer must be in an environment that meets certain power specifications.

See www.hp.com/support/ljM109a (base models) or www.hp.com/support/ljM109 (wireless models) for current information.

⚠ CAUTION: Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will damage the printer and void the printer warranty.

Operating environment range

Review the recommended operating-environment specifications for your printer.

Table A-2 Operating environment range

Environment	Recommended	Allowed
Temperature	15° to 27°C (59° to 80.6°F)	15° to 30°C (59° to 86°F)
Relative humidity	20% to 70% relative humidity (RH), non-condensing	10% to 80% (RH), non-condensing

Warning icons

Warning icon definitions: The following warning icons may appear on HP products. Apply appropriate caution where applicable.

-
  Caution: Electric shock
-
  Caution: Hot surface
-
  Caution: Keep body parts away from moving parts
-

Caution: Sharp edge in close proximity

- ⚠ Warning

Laser Warning

⚠

CAUTION - CLASS 3B INVISIBLE LASER RADIATION WHEN OPEN. AVOID EXPOSURE TO THE BEAM.

ATTENTION - RAYONNEMENT LASER INVISIBLE DE ÇLASSE 3B EN CAS D'OUVERTURE. ÉVITEZ L'EXPOSITION AU FAISCEAU.

VORSICHT - UNSICHTBARE LASERSTRAHLUNG KLASSE 3B, WENN ABDECKUNG GEÖFFNET. NICHT DEM STRAHL AUSSETZEN.

PRECAUCIÓN – RADIACIÓN LÁSER INVISIBLE DE CLASE 3B PRESENTE AL ABRIR. EVITE LA EXPOSICIÓN AL HAZ.

VARNING - OSYNLIG LASERSTRÅLNING KLASS 3B VID ÖPPEN LUCKA UNDVIK EXPONERING FÖR LASERSTRÅLNINGEN.

VAROITUS - LUOKAN 3B NÄKYMÄTTÖMÄLLE LASER-SÄTEILYÄ AVATTUNA. VÄLTÄ ALTISTUMISTA SÄTEELLE.

注意 - 打开时，存在不可见的 3B 类激光辐射，请避免接触该激光束。

주 의- 열리면 등급 3B 비가시레이저방사선이방출됩니나 . 광선에 노출을 피하십시오.

注意 – ここを開くとクラス 3B 不可視レーザ放射が出ます。ビームに身をさらさないこと。

B Service and support

HP limited warranty statement

Table B-1 HP limited warranty statement

HP PRODUCT	DURATION OF LIMITED WARRANTY*
HP LaserJet M109-M112 series, HP LaserJet M109a-M112a series	One-year limited warranty

NOTE: *Warranty and support options vary by product, country, and local legal requirements. Go to www.hp.com/support to learn about HP award-winning service and support options in your region. For details on the HP limited warranty policy on supplies, go to www.hp.com/go/learnaboutsupplies.

HP warrants to you, the end-user customer, this HP Limited Warranty applies only to HP branded products sold or leased a) from HP Inc., its subsidiaries, affiliates, authorized resellers, authorized distributors, or country distributors; and, b) with this HP Limited Warranty, that HP hardware and accessories will be free from defects in materials and workmanship after the date of purchase, for the period specified above. If HP receives notice of such defects during the warranty period, HP will, at its option, either repair or replace products which prove to be defective. Replacement products may be either new or equivalent in performance to new. HP products presented for repair may be replaced by refurbished goods of the same type rather than being repaired. Refurbished parts may be used to repair the goods. Repair of goods may result in lost user-generated data.

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

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

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

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

TO THE EXTENT ALLOWED BY LOCAL LAW, THE ABOVE WARRANTIES ARE EXCLUSIVE AND NO OTHER WARRANTY OR CONDITION, WHETHER WRITTEN OR ORAL, IS EXPRESSED OR IMPLIED AND HP SPECIFICALLY DISCLAIMS ANY IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY, SATISFACTORY QUALITY, AND FITNESS FOR A PARTICULAR PURPOSE. Some countries/regions, states or provinces do not allow limitations on the duration of an implied warranty, so the above limitation or exclusion might not apply to you. This warranty gives you specific legal rights and you might also have other rights that vary from country/region to country/region, state to state, or province to province. Please refer to the Country Specific statements at the end of this document.

HP's limited warranty is valid in any country/region or locality where HP has a support presence for this product and where HP has marketed this product. The level of warranty service you receive may vary according to local

standards. HP will not alter form, fit or function of the product to make it operate in a country/region for which it was never intended to function for legal or regulatory reasons.

TO THE EXTENT ALLOWED BY LOCAL LAW, THE REMEDIES IN THIS WARRANTY STATEMENT ARE YOUR SOLE AND EXCLUSIVE REMEDIES. EXCEPT AS INDICATED ABOVE, IN NO EVENT WILL HP OR ITS SUPPLIERS BE LIABLE FOR LOSS OF DATA OR FOR DIRECT, SPECIAL, INCIDENTAL, CONSEQUENTIAL (INCLUDING LOST PROFIT OR DATA), OR OTHER DAMAGE, WHETHER BASED IN CONTRACT, TORT, OR OTHERWISE. Some countries/regions, states or provinces do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

THE WARRANTY TERMS CONTAINED IN THIS STATEMENT, EXCEPT TO THE EXTENT LAWFULLY PERMITTED, DO NOT EXCLUDE, RESTRICT OR MODIFY AND ARE IN ADDITION TO THE MANDATORY STATUTORY RIGHTS APPLICABLE TO THE SALE OF THIS PRODUCT TO YOU. PLEASE REFER TO THE COUNTRY SPECIFIC STATEMENTS AT THE END OF THIS DOCUMENT (IF APPLICABLE) FOR FURTHER INFORMATION ON YOUR CONSUMER RIGHTS.

Country Specific Terms

In some jurisdictions, you may have other statutory rights. Please see below.

Australia

Your rights as an Australian consumer are different to those stated in the document above.

You should disregard any limitations or exclusions in the above document and refer to the information below.

1. When you buy a good from HP as a consumer, the goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.
2. This means that there is no defined warranty period for HP goods supplied to Australian consumers.
3. Instead, the goods should, for example, be fit for the purposes for which they are commonly supplied for such a period as a reasonable consumer fully acquainted with the state and condition of the goods would expect. This period may vary depending on the product.
4. You should contact HP if you are concerned that one of HP's products fails to satisfy any of the guarantees listed below. HP will discuss with you the specific nature and circumstances of that good and whether the particular fault/issue falls within the scope of the statutory guarantees.

   Nothing in HP's Limited Warranty excludes, restricts, or modifies any condition, warranty, guarantee, right or remedy you may have at law (including a consumer guarantee under the Australian Consumer Law) which cannot be lawfully excluded or limited.

The relevant guarantees are as follows:

1. Quality — goods supplied by HP must be of acceptable quality. The test for acceptable quality is whether a reasonable consumer, fully aware of the state and condition of the goods, would find them:
   - safe, durable, and free from defects;
   - acceptable in appearance and finish; and
   - fit for all the purposes for which goods of that kind are commonly supplied.

     This must take into account the nature and price of the goods, and any statements on packaging or labeling.

2. **Disclosed Purpose** — goods or services supplied by HP that HP represents are reasonably fit for a purpose expressly disclosed by a consumer must be reasonably fit for that purpose.
3. **Description** — goods supplied by HP must match the description provided by HP.
4. **Sample** — goods supplied by HP must match any sample shown to you by HP.
5. **Title** — a consumer who purchases a good from HP must receive clear title to the good.
6. **Due care and skill** — services provided to you by HP must be provided with due care and skill.
7. **Express warranties** — HP will be legally required to comply with the express warranty that is set out in its terms and conditions.
8. **Reasonable time** — repair services provided by HP must be provided within a reasonable time.

If you think that you are entitled to any of the above remedies or any remedy under the HP Worldwide Limited Warranty and Technical Support Document, please contact HP:

HP PPS Australia Pty Ltd

Rhodes Corporate Park, Building F, Level 5

1 Homebush Bay Drive

Rhodes, NSW 2138

Australia

To initiate a support request, please use the numbers below or visit www.hp.com.au and select the "Customer Service" option for the most current list of phone support numbers.

Product	Phone
Support for all HP Products except those listed separately below	13 10 47 If dialing internationally: +61 2 8278-1039
DeskJet, Office Jet, PSC, All-in-One, Photosmart & Personal LaserJet Series 1000, P1000, M1000 and Colour LaserJet CP1000 Series and model CM1415	1300 721 147 If dialing internationally: +61 2 8934 4380

For further information on consumer rights, visit www.consumerlaw.gov.au and www.accc.gov.au/consumerguarantees.

New Zealand

In New Zealand, the hardware and software come with guarantees that cannot be excluded under the New Zealand consumer law. In New Zealand, Consumer Transaction means a transaction involving a person who is purchasing goods for personal, domestic, or household use or consumption and not for the purpose of a business. New Zealand consumers who are purchasing goods for personal, domestic or household use or consumption and not for the purpose of a business ("New Zealand Consumers") are entitled to repair, replacement or refund for a failure and compensation for other reasonably foreseeable loss or damage. A New Zealand Consumer (as defined above) may recover the costs of returning the product to the place of purchase if there is a breach of the New Zealand consumer law; furthermore, if it will be of significant cost to the New Zealand Consumer to return the goods to HP then HP will collect such goods at its own cost.

Table B-2 Support phone numbers

Product	Phone
Support for all HP Products except those listed separately below	0800 449 553 If dialing internationally: +61 2 8031-8317
DeskJet, Office Jet, PSC, All-in-One, Photosmart & Personal LaserJet Series 1000, P1000, M1000 and Colour LaserJet CP1000 Series and model CM1415	0800 441 147 If dialing internationally: +61 2 8934 4380

UK, Ireland, and Malta

The HP Limited Warranty is a commercial guarantee voluntarily provided by HP. The name and address of the HP entity responsible for the performance of the HP Limited Warranty in your country/region is as follows:

UK: HP Inc UK Limited, Cain Road, Amen Corner, Bracknell, Berkshire, RG12 1HN

Ireland: Hewlett-Packard Ireland Limited, Liffey Park Technology Campus, Barnhall Road, Leixlip, Co.Kildare

Malta: Hewlett-Packard Europe B.V., Amsterdam, Meyrin Branch, Route du Nant-d'Avril 150, 1217 Meyrin, Switzerland

United Kingdom: The HP Limited Warranty benefits apply in addition to any legal rights to a guarantee from seller of nonconformity of goods with the contract of sale. These rights expire six years from delivery of goods for products purchased in England or Wales and five years from delivery of goods for products purchased in Scotland. However various factors may impact your eligibility to receive these rights. For further information, please consult the following link: Consumer Legal Guarantee (www.hp.com/go/eu-legal) or you may visit the European Consumer Centers website (http://ec.europa.eu/consumers/solving_consumer_disputes/non-judicial_redress/ecc-net/index_en.htm). Consumers have the right to choose whether to claim service under the HP Limited Warranty or against the seller under the legal guarantee.

Ireland: The HP Limited Warranty benefits apply in addition to any statutory rights from seller in relation to nonconformity of goods with the contract of sale. However various factors may impact your eligibility to receive these rights. Consumer statutory rights are not limited or affected in any manner by HP Care Pack. For further information, please consult the following link: Consumer Legal Guarantee (www.hp.com/go/eu-legal) or you may visit the European Consumer Centers website (http://ec.europa.eu/consumers/solving_consumer_disputes/non-judicial_redress/ecc-net/index_en.htm). Consumers have the right to choose whether to claim service under the HP Limited Warranty or against the seller under the legal guarantee.

Malta: The HP Limited Warranty benefits apply in addition to any legal rights to a two-year guarantee from seller of nonconformity of goods with the contract of sale; however various factors may impact your eligibility to receive these rights. Consumer statutory rights are not limited or affected in any manner by the HP Limited Warranty. For further information, please consult the following link: Consumer Legal Guarantee (www.hp.com/go/eu-legal) or you may visit the European Consumer Centers website (http://ec.europa.eu/consumers/solving_consumer_disputes/non-judicial_redress/ecc-net/index_en.htm). Consumers have the right to choose whether to claim service under the HP Limited Warranty or against the seller under two-year legal guarantee.

Austria, Belgium, Germany, and Luxemburg

Die beschränkte HP Herstellergarantie ist eine von HP auf freiwilliger Basis angebotene kommerzielle Garantie. Der Name und die Adresse der HP Gesellschaft, die in Ihrem Land für die Gewährung der beschränkten HP Herstellergarantie verantwortlich ist, sind wie folgt:

Deutschland: HP Deutschland GmbH, Schickardstr. 32, D-71034 Böblingen

Österreich: HP Austria GmbH., Technologiestrasse 5, A-1120 Wien

Luxemburg: Hewlett-Packard Luxembourg S.C.A., 75, Parc d'Activités Capellen, Rue Pafebruc, L-8308 Capellen

Belgien: HP Belgium BVBA, Hermeslaan 1A, B-1831 Diegem

Die Rechte aus der beschränkten HP Herstellergarantie gelten zusätzlich zu den gesetzlichen Ansprüchen wegen Sachmängeln auf eine zweijährige Gewährleistung ab dem Lieferdatum. Ob Sie Anspruch auf diese Rechte haben, hängt von zahlreichen Faktoren ab. Die Rechte des Kunden sind in keiner Weise durch die beschränkte HP Herstellergarantie eingeschränkt bzw. betroffen. Weitere Hinweise finden Sie auf der folgenden Website: Gewährleistungsansprüche für Verbraucher (www.hp.com/go/eu-legal) oder Sie können die Website des Europäischen Verbraucherzentrums (http://ec.europa.eu/consumers/solving_consumer_disputes/non-judicial_redress/ecc-net/index_en.htm) besuchen. Verbraucher haben das Recht zu wählen, ob sie eine Leistung von HP gemäß der beschränkten HP Herstellergarantie in Anspruch nehmen oder ob sie sich gemäß der gesetzlichen zweijährigen Haftung für Sachmängel (Gewährleistung) sich an den jeweiligen Verkäufer wenden.

Belgium, France, and Luxemburg

La garantie limitée HP est une garantie commerciale fournie volontairement par HP. Voici les coordonnées de l'entité HP responsable de l'exécution de la garantie limitée HP dans votre pays:

France: HP France SAS, société par actions simplifiée identifiée sous le numéro 448 694 133 RCS Evry, 1 Avenue du Canada, 91947, Les Ulis

G.D. Luxembourg: Hewlett-Packard Luxembourg S.C.A., 75, Parc d'Activités Capellen, Rue Pafebruc, L-8308 Capellen

Belgique: HP Belgium BVBA, Hermeslaan 1A, B-1831 Diegem

France: Les avantages de la garantie limitée HP s'appliquent en complément des droits dont vous disposez au titre des garanties légales applicables dont le bénéfice est soumis à des conditions spécifiques. Vos droits en tant que consommateur au titre de la garantie légale de conformité mentionnée aux articles L. 211-4 à L. 211-13 du Code de la Consommation et de celle relatives aux défauts de la chose vendue, dans les conditions prévues aux articles 1641 à 1648 et 2232 du Code de Commerce ne sont en aucune façon limités ou affectés par la garantie limitée HP. Pour de plus amples informations, veuillez consulter le lien suivant : Garanties légales accordées au consommateur (www.hp.com/go/eu-legal). Vous pouvez également consulter le site Web des Centres européens des consommateurs (http://ec.europa.eu/consumers/solving_consumer_disputes/non-judicial_redress/ecc-net/index_en.htm). Les consommateurs ont le droit de choisir d'exercer leurs droits au titre de la garantie limitée HP, ou auprès du vendeur au titre des garanties légales applicables mentionnées ci-dessus.

POUR RAPPEL:

Garantie Légale de Conformité:

« Le vendeur est tenu de livrer un bien conforme au contrat et répond des défauts de conformité existant lors de la délivrance.

Il répond également des défauts de conformité résultant de l'emballage, des instructions de montage ou de l'installation lorsque celle-ci a été mise à sa charge par le contrat ou a été réalisée sous sa responsabilité ».

Article L211-5 du Code de la Consommation:

« Pour être conforme au contrat, le bien doit:

1° Etre propre à l'usage habituellement attendu d'un bien semblable et, le cas échéant:

- correspondre à la description donnée par le vendeur et posséder les qualités que celui-ci a présentées à l'acheteur sous forme d'échantillon ou de modèle;

- présenter les qualités qu'un acheteur peut légitimement attendre eu égard aux déclarations publiques faites par le vendeur, par le producteur ou par son représentant, notamment dans la publicité ou l'étiquetage;

2° Ou présenter les caractéristiques définies d'un commun accord par les parties ou être propre à tout usage spécial recherché par l'acheteur, porté à la connaissance du vendeur et que ce dernier a accepté ».

Article L211-12 du Code de la Consommation:

« L'action résultant du défaut de conformité se prescrit par deux ans à compter de la délivrance du bien ».

Garantie des vices cachés

Article 1641 du Code Civil : *« Le vendeur est tenu de la garantie à raison des défauts cachés de la chose vendue qui la rendent impropre à l'usage auquel on la destine, ou qui diminuent tellement cet usage que l'acheteur ne l'aurait pas acquise, ou n'en aurait donné qu'un moindre prix, s'il les avait connus. »*

Article 1648 alinéa 1 du Code Civil:

« L'action résultant des vices rédhibitoires doit être intentée par l'acquéreur dans un délai de deux ans à compter de la découverte du vice. »

G.D. Luxembourg et Belgique: Les avantages de la garantie limitée HP s'appliquent en complément des droits dont vous disposez au titre de la garantie de non-conformité des biens avec le contrat de vente. Cependant, de nombreux facteurs peuvent avoir un impact sur le bénéfice de ces droits. Vos droits en tant que consommateur au titre de ces garanties ne sont en aucune façon limités ou affectés par la garantie limitée HP. Pour de plus amples informations, veuillez consulter le lien suivant: Garanties légales accordées au consommateur (www.hp.com/go/eu-legal) ou vous pouvez également consulter le site Web des Centres européens des consommateurs (http://ec.europa.eu/consumers/solving_consumer_disputes/non-judicial_redress/ecc-net/index_en.htm). Les consommateurs ont le droit de choisir de réclamer un service sous la garantie limitée HP ou auprès du vendeur au cours d'une garantie légale de deux ans.

Italy

La Garanzia limitata HP è una garanzia commerciale fornita volontariamente da HP. Di seguito sono indicati nome e indirizzo della società HP responsabile della fornitura dei servizi coperti dalla Garanzia limitata HP nel vostro Paese:

Italia: HP Italy S.r.l., Via Carlo Donat Cattin,5 20063 Cernusco S/Naviglio

I vantaggi della Garanzia limitata HP vengono concessi ai consumatori in aggiunta ai diritti derivanti dalla garanzia di due anni fornita dal venditore in caso di non conformità dei beni rispetto al contratto di vendita. Tuttavia, diversi fattori possono avere un impatto sulla possibilita' di beneficiare di tali diritti. I diritti spettanti ai consumatori in forza della garanzia legale non sono in alcun modo limitati, né modificati dalla Garanzia limitata HP. Per ulteriori informazioni, si prega di consultare il seguente link: Garanzia legale per i clienti (www.hp.com/go/eu-legal), oppure visitare il sito Web dei Centri europei per i consumatori (http://ec.europa.eu/consumers/solving_consumer_disputes/non-judicial_redress/ecc-net/index_en.htm). I consumatori hanno il diritto di scegliere se richiedere un servizio usufruendo della Garanzia limitata HP oppure rivolgendosi al venditore per far valere la garanzia legale di due anni.

Spain

Su Garantía limitada de HP es una garantía comercial voluntariamente proporcionada por HP. El nombre y dirección de las entidades HP que proporcionan la Garantía limitada de HP (garantía comercial adicional del fabricante) en su país es:

España: Hewlett-Packard Española S.L. Calle Vicente Aleixandre, 1 Parque Empresarial Madrid - Las Rozas, E-28232 Madrid

Los beneficios de la Garantía limitada de HP son adicionales a la garantía legal de 2 años a la que los consumidores tienen derecho a recibir del vendedor en virtud del contrato de compraventa; sin embargo, varios factores pueden afectar su derecho a recibir los beneficios bajo dicha garantía legal. A este respecto, la Garantía limitada de HP no limita o afecta en modo alguno los derechos legales del consumidor (www.hp.com/go/eu-legal). Para más información, consulte el siguiente enlace: Garantía legal del consumidor o puede visitar el sitio web de los Centros europeos de los consumidores (http://ec.europa.eu/consumers/solving_consumer_disputes/non-judicial_redress/ecc-net/index_en.htm). Los clientes tienen derecho a elegir si reclaman un servicio acogiéndose a la Garantía limitada de HP o al vendedor de conformidad con la garantía legal de dos años.

Denmark

Den begrænsede HP-garanti er en garanti, der ydes frivilligt af HP. Navn og adresse på det HP-selskab, der er ansvarligt for HP's begrænsede garanti i dit land, er som følger:

Danmark: HP Inc Danmark ApS, Engholm Parkvej 8, 3450, Allerød

Den begrænsede HP-garanti gælder i tillæg til eventuelle juridiske rettigheder, for en toårig garanti fra sælgeren af varer, der ikke er i overensstemmelse med salgsaftalen, men forskellige faktorer kan dog påvirke din ret til at opnå disse rettigheder. Forbrugerens lovbestemte rettigheder begrænses eller påvirkes ikke på nogen måde af den begrænsede HP-garanti. Se nedenstående link for at få yderligere oplysninger: Forbrugerens juridiske garanti (www.hp.com/go/eu-legal) eller du kan besøge De Europæiske Forbrugercentres websted (http://ec.europa.eu/consumers/solving_consumer_disputes/non-judicial_redress/ecc-net/index_en.htm). Forbrugere har ret til at vælge, om de vil gøre krav på service i henhold til HP's begrænsede garanti eller hos sælger i henhold til en toårig juridisk garanti.

Norway

HPs garanti er en begrenset og kommersiell garanti som HP selv har valgt å tilby. Følgende lokale selskap innestår for garantien:

Norge: HP Norge AS, Rolfbuktveien 4b, 1364 Fornebu

HPs garanti kommer i tillegg til det mangelsansvar HP har i henhold til norsk forbrukerkjøpslovgivning, hvor reklamasjonsperioden kan være to eller fem år, avhengig av hvor lenge salgsgjenstanden var ment å vare. Ulike faktorer kan imidlertid ha betydning for om du kvalifiserer til å kreve avhjelp iht slikt mangelsansvar. Forbrukerens lovmessige rettigheter begrenses ikke av HPs garanti. Hvis du vil ha mer informasjon, kan du klikke på følgende kobling: Juridisk garanti for forbruker (www.hp.com/go/eu-legal) eller du kan besøke nettstedet til de europeiske forbrukersentrene (http://ec.europa.eu/consumers/solving_consumer_disputes/non-judicial_redress/ecc-net/index_en.htm). Forbrukere har retten til å velge å kreve service under HPs garanti eller iht selgerens lovpålagte mangelsansvar.

Sweden

HP:s begränsade garanti är en kommersiell garanti som tillhandahålls frivilligt av HP. Namn och adress till det HP-företag som ansvarar för HP:s begränsade garanti i ditt land är som följer:

Sverige: HP PPS Sverige AB, SE-169 73 Stockholm

Fördelarna som ingår i HP:s begränsade garanti gäller utöver de lagstadgade rättigheterna till tre års garanti från säljaren angående varans bristande överensstämmelse gentemot köpeavtalet, men olika faktorer kan påverka din rätt att utnyttja dessa rättigheter. Konsumentens lagstadgade rättigheter varken begränsas eller påverkas på något sätt av HP:s begränsade garanti. Mer information får du om du följer denna länk: Lagstadgad garanti för konsumenter (www.hp.com/go/eu-legal) eller så kan du gå till European Consumer Centers webbplats (http://ec.europa.eu/consumers/solving_consumer_disputes/non-judicial_redress/ecc-net/index_en.htm). Konsumenter har rätt att välja om de vill ställa krav enligt HP:s begränsade garanti eller på säljaren enligt den lagstadgade treåriga garantin.

Portugal

A Garantia Limitada HP é uma garantia comercial fornecida voluntariamente pela HP. O nome e a morada da entidade HP responsável pela prestação da Garantia Limitada HP no seu país são os seguintes:

Portugal: HPCP – Computing and Printing Portugal, Unipessoal, Lda., Edificio D. Sancho I, Quinta da Fonte, Porto Salvo, Lisboa, Oeiras, 2740 244

As vantagens da Garantia Limitada HP aplicam-se cumulativamente com quaisquer direitos decorrentes da legislação aplicável à garantia de dois anos do vendedor, relativa a defeitos do produto e constante do contrato de venda. Existem, contudo, vários fatores que poderão afetar a sua elegibilidade para beneficiar de tais direitos. Os direitos legalmente atribuídos aos consumidores não são limitados ou afetados de forma alguma pela Garantia Limitada HP. Para mais informações, consulte a ligação seguinte: Garantia legal do consumidor (www.hp.com/go/eu-legal) ou visite o Web site da Rede dos Centros Europeus do Consumidor (http://ec.europa.eu/consumers/solving_consumer_disputes/non-judicial_redress/ecc-net/index_en.htm). Os consumidores têm o direito de escolher se pretendem reclamar assistência ao abrigo da Garantia Limitada HP ou contra o vendedor ao abrigo de uma garantia jurídica de dois anos.

Greece and Cyprus

Η Περιορισμένη εγγύηση HP είναι μια εμπορική εγγύηση η οποία παρέχεται εθελοντικά από την HP. Η επωνυμία και η διεύθυνση του νομικού προσώπου HP που παρέχει την Περιορισμένη εγγύηση HP στη χώρα σας είναι η εξής:

Ελλάδα /Κύπρος: HP Printing and Personal Systems Hellas EPE, Tzavella 1-3, 15232 Chalandri, Attiki

Ελλάδα /Κύπρος: HP Συστήματα Εκτύπωσης και Προσωπικών Υπολογιστών Ελλάς Εταιρεία Περιορισμένης Ευθύνης, Tzavella 1-3, 15232 Chalandri, Attiki

Τα προνόμια της Περιορισμένης εγγύησης HP ισχύουν επιπλέον των νόμιμων δικαιωμάτων για διετή εγγύηση έναντι του Πωλητή για τη μη συμμόρφωση των προϊόντων με τις συνομολογημένες συμβατικά ιδιότητες, ωστόσο η άσκηση των δικαιωμάτων σας αυτών μπορεί να εξαρτάται από διάφορους παράγοντες. Τα νόμιμα δικαιώματα των καταναλωτών δεν περιορίζονται ούτε επηρεάζονται καθ' οιονδήποτε τρόπο από την Περιορισμένη εγγύηση HP. Για περισσότερες πληροφορίες, συμβουλευτείτε την ακόλουθη τοποθεσία web: Νόμιμη εγγύηση καταναλωτή (www.hp.com/go/eu-legal) ή μπορείτε να επισκεφτείτε την τοποθεσία web των Ευρωπαϊκών Κέντρων Καταναλωτή (http://ec.europa.eu/consumers/solving_consumer_disputes/non-judicial_redress/ecc-net/index_en.htm). Οι καταναλωτές έχουν το δικαίωμα να επιλέξουν αν θα αξιώσουν την υπηρεσία στα πλαίσια της Περιορισμένης εγγύησης HP ή από τον πωλητή στα πλαίσια της νόμιμης εγγύησης δύο ετών.

Hungary

A HP korlátozott jótállás egy olyan kereskedelmi jótállás, amelyet a HP a saját elhatározásából biztosít. Az egyes országokban a HP mint gyártó által vállalt korlátozott jótállást biztosító HP vállalatok neve és címe:

Magyarország: HP Inc Magyarország Kft., H-1117 Budapest, Alíz utca 1.

A HP korlátozott jótállásban biztosított jogok azokon a jogokon felül illetik meg Önt, amelyek a termékeknek az adásvételi szerződés szerinti minőségére vonatkozó kétéves, jogszabályban foglalt eladói szavatosságból, továbbá ha az Ön által vásárolt termékre alkalmazandó, a jogszabályban foglalt kötelező eladói jótállásból erednek, azonban számos körülmény hatással lehet arra, hogy ezek a jogok Önt megilletik-e. További információért kérjük, keresse fel a következő webhelyet: Jogi Tájékoztató Fogyasztóknak (www.hp.com/go/eu-legal) vagy látogassa meg az Európai Fogyasztói Központok webhelyét (http://ec.europa.eu/consumers/solving_consumer_disputes/non-judicial_redress/ecc-net/index_en.htm). A fogyasztóknak jogában áll, hogy megválasszák, hogy a jótállással kapcsolatos igényüket a HP korlátozott jótállás alapján vagy a kétéves, jogszabályban foglalt eladói szavatosság, illetve, ha alkalmazandó, a jogszabályban foglalt kötelező eladói jótállás alapján érvényesítik.

Czech Republic

Omezená záruka HP je obchodní zárukou dobrovolně poskytovanou společností HP. Názvy a adresy společností skupiny HP, které odpovídají za plnění omezené záruky HP ve vaší zemi, jsou následující:

Česká republika: HP Inc Czech Republic s. r. o., Za Brumlovkou 5/1559, 140 00 Praha 4

Výhody, poskytované omezenou zárukou HP, se uplatňují jako doplňek k jakýmkoli právním nárokům na dvouletou záruku poskytnutou prodejcem v případě nesouladu zboží s kupní smlouvou. Váš nárok na uznání těchto práv však může záviset na mnohých faktorech. Omezená záruka HP žádným způsobem neomezuje ani neovlivňuje zákonná práva zákazníka. Další informace získáte kliknutím na následující odkaz: Zákonná záruka spotřebitele (www.hp.com/go/eu-legal) případně můžete navštívit webové stránky Evropského spotřebitelského centra (http://ec.europa.eu/consumers/solving_consumer_disputes/non-judicial_redress/ecc-net/index_en.htm). Spotřebitelé mají právo se rozhodnout, zda chtějí službu reklamovat v rámci omezené záruky HP nebo v rámci zákonem stanovené dvouleté záruky u prodejce.

Slovakia

Obmedzená záruka HP je obchodná záruka, ktorú spoločnosť HP poskytuje dobrovoľne. Meno a adresa subjektu HP, ktorý zabezpečuje plnenie vyplývajúce z Obmedzenej záruky HP vo vašej krajine:

Slovenská republika: HP Inc Slovakia, s.r.o., Galvaniho 7, 821 04 Bratislava

Výhody Obmedzenej záruky HP sa uplatnia vedľa prípadných zákazníkových zákonných nárokov voči predávajúcemu z vád, ktoré spočívajú v nesúlade vlastností tovaru s jeho popisom podľa predmetnej zmluvy. Možnosť uplatnenia takých prípadných nárokov však môže závisieť od rôznych faktorov. Služby Obmedzenej záruky HP žiadnym spôsobom neobmedzujú ani neovplyvňujú zákonné práva zákazníka, ktorý je spotrebiteľom. Ďalšie informácie nájdete na nasledujúcom prepojení: Zákonná záruka spotrebiteľa (www.hp.com/go/eu-legal), prípadne môžete navštíviť webovú lokalitu európskych zákazníckych stredísk (http://ec.europa.eu/consumers/solving_consumer_disputes/non-judicial_redress/ecc-net/index_en.htm). Spotrebitelia majú právo zvoliť si, či chcú uplatniť servis v rámci Obmedzenej záruky HP alebo počas zákonnej dvojročnej záručnej lehoty u predajcu.

Poland

Ograniczona gwarancja HP to komercyjna gwarancja udzielona dobrowolnie przez HP. Nazwa i adres podmiotu HP odpowiedzialnego za realizację Ograniczonej gwarancji HP w Polsce:

Polska: HP Inc Polska sp. z o.o., Szturmowa 2a, 02-678 Warszawa, wpisana do rejestru przedsiębiorców prowadzonego przez Sąd Rejonowy dla m.st. Warszawy w Warszawie, XIII Wydział Gospodarczy Krajowego Rejestru Sądowego, pod numerem KRS 0000546115, NIP 5213690563, REGON 360916326, GIOŚ E0020757WZBW, kapitał zakładowy 480.000 PLN.

Świadczenia wynikające z Ograniczonej gwarancji HP stanowią dodatek do praw przysługujących nabywcy w związku z dwuletnią odpowiedzialnością sprzedawcy z tytułu niezgodności towaru z umową (rękojmia). Niemniej, na możliwość korzystania z tych praw mają wpływ różne czynniki. Ograniczona gwarancja HP w żaden sposób nie ogranicza praw konsumenta ani na nie nie wpływa. Więcej informacji można znaleźć pod następującym łączem: Gwarancja prawna konsumenta (www.hp.com/go/eu-legal), można także odwiedzić stronę internetową Europejskiego Centrum Konsumenckiego (http://ec.europa.eu/consumers/solving_consumer_disputes/non-judicial_redress/ecc-net/index_en.htm). Konsumenci mają prawo wyboru co do możliwosci skorzystania albo z usług gwarancyjnych przysługujących w ramach Ograniczonej gwarancji HP albo z uprawnień wynikających z dwuletniej rękojmi w stosunku do sprzedawcy.

Bulgaria

Ограничената гаранция на HP представлява търговска гаранция, доброволно предоставяна от HP. Името и адресът на дружеството на HP за вашата страна, отговорно за предоставянето на гаранционната поддръжка в рамките на Ограничената гаранция на HP, са както следва:

HP Inc Bulgaria EOOD (Ейч Пи Инк България ЕООД), гр. София 1766, район р-н Младост, бул. Околовръстен Път No 258, Бизнес Център Камбаните

Предимствата на Ограничената гаранция на HP се прилагат в допълнение към всички законови права за двугодишна гаранция от продавача при несъответствие на стоката с договора за продажба. Въпреки това, различни фактори могат да окажат влияние върху условията за получаване на тези права. Законовите права на потребителите не са ограничени или засегнати по никакъв начин от Ограничената гаранция на HP. За допълнителна информация, моля вижте Правната гаранция на потребителя (www.hp.com/go/eu-legal) или посетете уебсайта на Европейския потребителски център (http://ec.europa.eu/consumers/solving_consumer_disputes/non-judicial_redress/ecc-net/index_en.htm). Потребителите имат правото да избират дали да претендират за извършване на услуга в рамките на Ограничената гаранция на HP или да потърсят такава от търговеца в рамките на двугодишната правна гаранция.

Romania

Garanția limitată HP este o garanție comercială furnizată în mod voluntar de către HP. Numele și adresa entității HP răspunzătoare de punerea în aplicare a Garanției limitate HP în țara dumneavoastră sunt următoarele:

România: HP Inc Romania SRL, 5 Fabrica de Glucoza Str., Building F, Ground Floor and Floor 8, 2nd District, Bucureşti

Beneficiile Garanţiei limitate HP se aplică suplimentar faţă de orice drepturi privind garanţia de doi ani oferită de vânzător pentru neconformitatea bunurilor cu contractul de vânzare; cu toate acestea, diverşi factori pot avea impact asupra eligibilităţii dvs. de a beneficia de aceste drepturi. Drepturile legale ale consumatorului nu sunt limitate sau afectate în vreun fel de Garanția limitată HP. Pentru informaţii suplimentare consultaţi următorul link: garanția acordată consumatorului prin lege (www.hp.com/go/eu-legal) sau puteți accesa site-ul Centrul European al Consumatorilor (http://ec.europa.eu/consumers/solving_consumer_disputes/non-judicial_redress/ecc-net/index_en.htm). Consumatorii au dreptul să aleagă dacă să pretindă despăgubiri în cadrul Garanței limitate HP sau de la vânzător, în cadrul garanției legale de doi ani.

Belgium and the Netherlands

De Beperkte Garantie van HP is een commerciële garantie vrijwillig verstrekt door HP. De naam en het adres van de HP-entiteit die verantwoordelijk is voor het uitvoeren van de Beperkte Garantie van HP in uw land is als volgt:

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Suomi: HP Finland Oy, Piispankalliontie, FIN - 02200 Espoo

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Hrvatska: HP Computing and Printing d.o.o. za računalne i srodne aktivnosti, Radnička cesta 41, 10000 Zagreb

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Latvija: HP Finland Oy, PO Box 515, 02201 Espoo, Finland

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Eesti: HP Finland Oy, PO Box 515, 02201 Espoo, Finland

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Russia

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

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

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

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

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HP policy on non-HP supplies

HP cannot recommend the use of non-HP toner cartridges, either new or remanufactured.

NOTE: For HP printer products, the use of a non-HP toner cartridge or a refilled toner cartridge does not affect either the warranty to the customer or any HP support contract with the customer. However, if product failure or damage is attributable to the use of a non-HP toner cartridge or refilled toner cartridge, HP will charge its standard time and materials charges to service the product for the particular failure or damage.

HP anticounterfeit Web site

Go to www.hp.com/go/anticounterfeit when you install an HP cartridge and the control-panel message indicates the cartridge is non-HP. HP will help determine if the cartridge is genuine and take steps to resolve the problem.

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

- The supplies status page indicates that a non-HP supply is installed.
- You are experiencing a high number of problems with the cartridge.
- The cartridge does not look like it usually does (for example, the packaging differs from HP packaging).

Data stored on the toner cartridge

The HP toner cartridges used with this product contain a memory chip that assists in the operation of the product.

In addition, this memory chip collects a limited set of information about the usage of the product, which might include the following: the date when the toner cartridge was first installed, the date when the toner cartridge was last used, the number of pages printed using the toner cartridge, the page coverage, the printing modes used, any printing errors that might have occurred, and the product model. This information helps HP design future products to meet our customers' printing needs.

The data collected from the toner cartridge memory chip does not contain information that can be used to identify a customer or user of the toner cartridge or their product.

HP collects a sampling of the memory chips from toner cartridges returned to HP's free return and recycling program (HP Planet Partners: www.hp.com/hprecycle). The memory chips from this sampling are read and studied in order to improve future HP products. HP partners who assist in recycling this toner cartridge might have access to this data, as well.

Any third party possessing the toner cartridge might have access to the anonymous information on the memory chip.

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Customer self-repair warranty service

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

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

Customer support

This topic describes where to get different customer support.

Table B-3 Customer support options and references

Support option	Reference
Get telephone support for your country/region Have the product name, serial number, date of purchase, and problem description ready.	Country/region phone numbers are on the flyer that was in the box with your product or at www.hp.com/support

Table B-3 Customer support options and references (continued)

Support option	Reference
Get 24-hour Internet support, and download software utilities and drivers	www.hp.com/support
Order additional HP service or maintenance agreements	www.hp.com/go/carepack
Register your product	www.register.hp.com

C Environmental product stewardship program

Protecting the environment

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

Ozone production

The airborne emissions of ozone for this product has been measured according to a standardized protocol* and when these emissions data are applied to an anticipated high-use scenario in an office workspace**, HP has determined there is no appreciable amount of ozone generated during printing and the levels are well within current indoor air quality standards and guidelines.

* Test method for the determination of emissions from hardcopy devices with respect to awarding the environmental label for office devices with printing function; DE-UZ 205 – BAM January, 2018

** Based on ozone concentration when printing 2 hours per day in 30.6 cubic meter room with a ventilation rate of 0.68 air changes per hour with HP printing supplies

Power consumption

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

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

www.hp.com/go/energystar

Toner consumption

EconoMode uses less toner, which might extend the life of the print cartridge. HP does not recommend the full-time use of EconoMode. If EconoMode is used full-time, the toner supply might outlast the mechanical parts in the print cartridge. If print quality begins to degrade and is no longer acceptable, consider replacing the print cartridge.

Paper use

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

Plastics

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

HP LaserJet print supplies

Original HP Supplies were designed with the environment in mind. HP makes it easy to conserve resources and paper when printing. And when you are done, we make it easy and free to recycle.[1]

All HP cartridges returned to HP Planet Partners go through a multiphase recycling process where materials are separated and refined for use as raw material in new Original HP cartridges and everyday products. No Original HP cartridges returned through HP Planet Partners are ever sent to a landfill, and HP never refills or resells Original HP cartridges.

To participate in the HP Planet Partners return and recycling program, visit www.hp.com/hprecycle. Select your country/region for information on how to return HP printing supplies. Multi-lingual program information and instructions are also included in every new HP LaserJet print cartridge package.

[1] Program availability varies. For more information, visit www.hp.com/hprecycle.

Paper

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

Material restrictions

This HP product does not contain added mercury.

Battery information

This product may contain a:

- Poly-carbonmonofluoride lithium (BR type) or
- Manganese dioxide lithium (CR type)

battery that may require special handling at end-of-life.

NOTE: (For CR type only) Perchlorate material - special handling may apply. See www.dtsc.ca.gov/hazardouswaste/perchlorate.

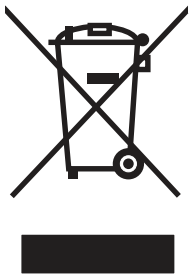
Table C-1 Battery information

Weight	Location	User-removable
~ 3 g	On motherboard	No

廢電池請回收

For recycling information, you can go to www.hp.com/recycle, or contact your local authorities or the Electronics Industries Alliance: www.eiae.org.

Disposal of waste equipment by users (EU, UK, and India)



This symbol means do not dispose of your product with your other household waste. Instead, you should protect human health and the environment by handing over your waste equipment to a designated collection point for the recycling of waste electrical and electronic equipment. For more information, please contact your household waste disposal service, or go to: www.hp.com/recycle.

Electronic hardware recycling

HP encourages customers to recycle used electronic hardware. For more information about recycling programs go to: www.hp.com/recycle.

Brazil hardware recycling information

Não descarte o produto eletrônico em lixo comum

Este produto eletrônico e seus componentes não devem ser descartados no lixo comum, pois embora estejam em conformidade com padrões mundiais de restrição a substâncias nocivas, podem conter, ainda que em quantidades mínimas, substâncias impactantes ao meio ambiente. Ao final da vida útil deste produto, o usuário deverá entregá-lo à HP. A não observância dessa orientação sujeitará o infrator às sanções previstas em lei.

Após o uso, as pilhas e/ou baterias dos produtos HP deverão ser entregues ao estabelecimento comercial ou rede de assistência técnica autorizada pela HP.

Para maiores informações, inclusive sobre os pontos de recebimento, acesse:

www.hp.com.br/reciclar

Chemical substances

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

Product Power Data per European Union Commission Regulation 1275/2008 and the UK Relevant Statutory Requirements

For product power data, including the power consumption of the product in networked standby if all wired network ports are connected and all wireless network ports are activated, please refer to section P14 'Additional Information' of the product IT ECO Declaration at www.hp.com/hpinfo/globalcitizenship/environment/productdata/itecodesktop-pc.html.

SEPA Ecolabel User Information (China)

中国环境标识认证产品用户说明

噪声大于 63.0 dB(A)的办公设备不宜放置于办公室内，请在独立的隔离区域使用。

如需长时间使用本产品或打印大量文件，请确保在通风良好的房间内使用。

如您需要确认本产品处于零能耗状态，请按下电源关闭按钮，并将插头从电源插座断开。

您可以使用再生纸，以减少资源耗费。

The regulation of the implementation on China energy label for printer, fax, and copier

依据"复印机、打印机和传真机能源效率标识实施规则"，本打印机具有中国能效标签。根据"复印机、打印机和传真机能效限定值及 能效等级" ("GB21521") 决定并计算得出该标签上所示的能效等级和 TEC (典型能耗) 值。

1. 能效等级

能效等级分为三个等级，等级 1 级能效最高。根据产品类型和打印速度标准决定能效限定值。

2. 能效信息

2.1 LaserJet 打印机和高性能喷墨打印机

- 典型能耗

  典型能耗是正常运行 GB21521 测试方法中指定的时间后的耗电量。此数据表示为每周千瓦时 (kWh)。

标签上所示的能效数字按涵盖根据"复印机、打印机和传真机能源效率标识实施规则"选择的登记装置中所有配置的代表性配置测定而 得。因此，本特定产品型号的实际能耗可能与标签上所示的数据不同。

有关规格的详细信息，请参阅 GB21521 标准的当前版本。

Restriction on Hazardous Substances statement (India)

This product, as well as its related consumables and spares, complies with the reduction in hazardous substances provisions of the "India E-waste Rule 2016." It does not contain lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers in concentrations exceeding 0.1 weight % and 0.01 weight % for cadmium, except where allowed pursuant to the exemptions set in Schedule 2 of the Rule.

WEEE (Turkey)

Türkiye Cumhuriyeti: AEEE Yönetmeliğine Uygundur

Restriction on Hazardous Substances statement (Ukraine)

Обладнання відповідає вимогам Технічного регламенту щодо обмеження використання деяких небезпечних речовин в електричному та електронному обладнанні, затвердженого постановою Кабінету Міністрів України від 3 грудня 2008 № 1057

Material Safety Data Sheet (MSDS)

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

EPEAT

Many HP products are designed to meet EPEAT. EPEAT is a comprehensive environmental rating that helps identify greener electronics equipment. For more information on EPEAT go to www.epeat.net. For information on HP's EPEAT registered products go to www.hp.com/hpinfo/globalcitizenship/environment/pdf/epeat_printers.pdf.

Substances Table (Taiwan)

限用物質含有情況標示聲明書

Declaration of the Presence Condition of the Restricted Substances Marking

若要存取產品的最新使用指南或手冊，請前往 http://www.hp.com/support 。選取搜尋您的產品，然後依照畫面上的指示繼續執行。

To access the latest user guides or manuals for your product. Go to http://www.support.hp.com. Select **Find your product**, and then follow the on-screen instructions.

單元 Unit	限用物質及其化學符號 Restricted substances and its chemical symbols					
	鉛 Lead (Pb)	汞 Mercury (Hg)	鎘 Cadmium (Cd)	六價鉻 Hexavalent chromium (Cr^{+6})	多溴聯苯 Polybrominated biphenyls (PBB)	多溴二苯醚 Polybrominated diphenyl ethers (PBDE)
列印引擎 Print engine	—	○	○	○	○	○
控制面板 Control panel	—	○	○	○	○	○
塑膠外殼 Plastic housing parts	○	○	○	○	○	○
格式化組件 Formatter	—	○	○	○	○	○

備考1. "超出0.1 wt %" 及 "超出0.01 wt %" 係指限用物質之百分比含量超出百分比含量基準值。

Note 1："Exceeding 0.1 wt %" and "exceeding 0.01 wt %" indicate that the percentage content of the restricted substance exceeds the reference percentage value of presence condition.

備考2. "○" 係指該項限用物質之百分比含量未超出百分比含量基準值。

Note 2："○" indicates that the percentage content of the restricted substance does not exceed the percentage of reference value of presence.

備考3. "—" 係指該項限用物質為排除項目。

Note 3：The "—" indicates that the restricted substance corresponds to the exemption.

Substances Table (China)

产品中有害物质或元素的名称及含量
The Table of Hazardous Substances/Elements and their Content
根据中国《电器电子产品有害物质限制使用管理办法》
As required by China's Management Methods for Restricted Use of Hazardous Substances in Electrical and Electronic Products

部件名称 Part Name	有害物质 Hazardous Substances					
	铅 Lead (Pb)	汞 Mercury (Hg)	镉 Cadmium (Cd)	六价铬 Hexavalent Chromium (Cr(VI))	多溴联苯 Polybrominated biphenyls (PBB)	多溴二苯醚 Polybrominated diphenyl ethers (PBDE)
打印引擎	X	O	O	O	O	O
控制面板	X	O	O	O	O	O
塑料外壳	O	O	O	O	O	O
格式化板组件	X	O	O	O	O	O
碳粉盒	X	O	O	O	O	O

CHR-LJ-PK-SF-02

表格依据SJ/T 11364 的规定编制。
This form has been prepared in compliance with the provisions of SJ/T 11364.

O：表示该有害物质在该部件所有均质材料中的含量均在GB/T 26572 规定的限量要求以下。
O: Indicates that the content of said hazardous substance in all of the homogenous materials in the component is within the limits required by GB/T 26572.

X：表示该有害物质至少在该部件的某一均质材料中的含量超出GB/T 26572 规定的限量要求。
X: Indicates that the content of said hazardous substance exceeds the limits required by GB/T 26572 in at least one homogenous material in the component.

此表中所有名称中含 "X" 的部件均符合中国 RoHS达标管理目录限用物质应用例外清单的豁免。
All parts named in this table with an "X" are in compliance with the China RoHS "List of Exceptions to RoHS Compliance Management Catalog (or China RoHS Exemptions)".

此表中所有名称中含 "X" 的部件均符合欧盟 RoHS 立法。
All parts named in this table with an "X" are in compliance with the European Union's RoHS Legislation.

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
Note: The referenced Environmental Protection Use Period Marking was determined according to normal operating use conditions of the product such as temperature and humidity.

For more information

To obtain information about these environmental topics:

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

Visit www.hp.com/go/environment.

Also, visit www.hp.com/recycle.

D Regulatory information

Regulatory statements

Regulatory model identification numbers

For regulatory identification purposes, your product is assigned a regulatory model number. Regulatory model numbers should not be confused with marketing names or product numbers.

Table D-1 Regulatory model identification numbers

Product model number	Regulatory model number
HP LaserJet M111a	SHNGC-1700-00
HP LaserJet M110w, HP LaserJet M111w	SHNGC-1700-01

FCC regulations

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

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

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

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

European Union & United Kingdom Regulatory Notice

Products bearing the CE marking and UKCA marking comply with one or more of the following EU Directives and/or equivalent UK Statutory Instruments as may be applicable: Low Voltage Directive 2014/35/EU, EMC Directive 2014/30/EU, Eco Design Directive 2009/125/EC, RED 2014/53/EU, RoHS Directive 2011/65/EU.

Compliance with these directives is assessed using applicable European Harmonized Standards. The full EU and UK Declaration of Conformity can be found at the following website: www.hp.com/go/certificates (Search with the product model name or its Regulatory Model Number (RMN), which may be found on the regulatory label.)

The point of contact for regulatory matters is: Email techregshelp@hp.com

The EU point of contact for regulatory matters is:

HP Deutschland GmbH, HP HQ-TRE, 71025 Boeblingen, Germany

The UK point of contact for regulatory matters is:

HP Inc UK Ltd, Regulatory Enquiries, Earley West, 300 Thames Valley Park Drive, Reading, RG6 1PT

Canada - Industry Canada ICES-003 Compliance Statement

CAN ICES-003(B)/NMB-003(B)

VCCI statement (Japan)

VCCI 32-1 規定適合の場合

この装置は、クラスB機器です。この装置は、住宅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 ー B

EMC statement (Korea)

B급 기기 (가정용 방송통신기자재)	이 기기는 가정용(B급) 전자파적합기기로서 주로 가정에서 사용하는 것을 목적으로 하며, 모든 지역에서 사용할 수 있습니다.

Power cord instructions

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

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

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

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。

Laser safety

The Center for Devices and Radiological Health (CDRH) of the U.S. Food and Drug Administration has implemented regulations for laser products manufactured since August 1, 1976. Compliance is mandatory for products marketed in the United States. The device is certified as a “Class 1” laser product under the U.S. Department of Health and Human Services (DHHS) Radiation Performance Standard according to the Radiation Control for Health and Safety Act of 1968. Since radiation emitted inside the device is completely confined within protective housings and external covers, the laser beam cannot escape during any phase of normal user operation.

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

For other US/Canada regulatory matters, please contact:

HP Inc.

1501 Page Mill Rd, Palo Alto, CA 94304, USA

Email contact: techregshelp@hp.com or Telephone contact: +1 (650) 857-1501

Laser statement for Finland

Luokan 1 laserlaite

HP LaserJet M110we, M110w, M111a, M111w, laserkirjoitin on käyttäjän kannalta turvallinen luokan 1 laserlaite. Normaalissa käytössä kirjoittimen suojakotelointi estää lasersäteen pääsyn laitteen ulkopuolelle. Laitteen turvallisuusluokka on määritetty standardin EN 60825-1 (2014) mukaisesti.

VAROITUS !

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

VARNING !

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

HUOLTO

HP LaserJet M110we, M110w, M111a, M111w - kirjoittimen sisällä ei ole käyttäjän huollettavissa olevia kohteita. Laitteen saa avata ja huoltaa ainoastaan sen huoltamiseen koulutettu henkilö. Tällaiseksi huoltotoimenpiteeksi ei katsota väriainekasetin vaihtamista, paperiradan puhdistusta tai muita käyttäjän käsikirjassa lueteltuja, käyttäjän tehtäväksi tarkoitettuja ylläpitotoimia, jotka voidaan suorittaa ilman erikoistyökaluja.

VARO !

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

VARNING !

Om laserprinterns skyddshölje öppnas då apparaten är i funktion, utsättas användaren för osynlig laserstrålning. Betrakta ej strålen.

Tiedot laitteessa käytettävän laserdiodin säteilyominaisuuksista: Aallonpituus 775-795 nm Teho 5 m W Luokan 3B laser.

Nordic Statements (Denmark, Finland, Norway, Sweden)

Denmark:

Apparatets stikprop skal tilsuttes en stikkontakt med jord, som giver forbindelse til stikproppens jord.

Finland:

Laite on liitettävä suojakoskettimilla varustettuun pistorasiaan.

Norway:

Apparatet må tilkoples jordet stikkontakt.

Sweden:

Apparaten skall anslutas till jordat uttag.

GS statement (Germany)

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

Das Gerät ist kein Bildschirmarbeitsplatz gemäß BildscharbV. Bei ungünstigen Lichtverhältnissen (z. B. direkte Sonneneinstrahlung) kann es zu Reflexionen auf dem Display und damit zu Einschränkungen der Lesbarkeit der dargestellten Zeichen kommen.

Die Bilddarstellung dieses Gerätes ist nicht für verlängerte Bildschirmtätigkeiten geeignet.

Eurasian Conformity (Armenia, Belarus, Kazakhstan, Kyrgyzstan, Russia)

EAC

Өндіруші және өндіру мерзімі

HP Inc. Мекенжайы: 1501 Page Mill Road, Palo Alto, California 94304, U.S.

Өнімнің жасалу мерзімін табу үшін өнімнің қызмет көрсету жапсырмасындағы 10 таңбадан тұратын сериялық нөмірін қараңыз.

4-ші, 5-ші және 6-шы сандар өнімнің жасалған жылы мен аптасын көрсетеді. 4-ші сан жылын көрсетеді, мысалы «3» саны «2013» дегенді білдіреді.

5-ші және 6-шы сандары берілген жылдың қай аптасында жасалғанын көрсетеді, мысалы, «12» саны «12-ші» апта дегенді білдіреді.

Жергілікті өкілдіктері:

Ресей: ООО "ЭйчПи Инк",
Ресей Федерациясы, 125171, Мәскеу, Ленинград шоссесі, 16А блок 3,
Телефон/факс: +7 495 797 35 00 / +7 499 92132 50

Қазақстан: "ЭйчПи Глобал Трэйдинг Би.Ви." компаниясының Қазақстандағы филиалы, Қазақстан Республикасы, 050040, Алматы к., Бостандық ауданы, Әл-Фараби даңғылы, 77/7,
Телефон/факс: +7 727 355 35 52

EAC

Производитель и дата производства

HP Inc. Адрес: 1501 Page Mill Road, Palo Alto, California 94304, U.S.

Дата производства зашифрована в 10-значном серийном номере, расположенном на наклейке со служебной информацией изделия.

4-я, 5-я и 6-я цифры обозначают год и неделю производства. 4-я цифра обозначает год, например, «3» обозначает, что изделие произведено в «2013» году.

5-я и 6-я цифры обозначают номер недели в году производства, например, «12» обозначает «12-ю» неделю.

Местные представители:

Россия: ООО "ЭйчПи Инк",
Российская Федерация, 125171, г. Москва, Ленинградское шоссе, 16А, стр.3,
Телефон/факс: +7 495 797 35 00 / +7 499 92132 50

Казахстан: Филиал компании "ЭйчПи Глобал Трэйдинг Би.Ви.", Республика Казахстан, 050040, г. Алматы, Бостандыкский район, проспект Аль-Фараби, 77/7, Телефон/факс: + 7 727 355 35 52

Wireless statements

FCC compliance statement—United States

Exposure to radio frequency radiation

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

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

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

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

Australia statement

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

Belarus

В соответствии с Постановлением Совета Министров Республики Беларусь от 24 мая 2017 года № 383 (об описании и порядке применения знака соответствия к техническому регламенту Республики Беларусь) продукция, требующая подтверждения соответствия техническому регламенту Республики Беларусь, размещенная на рынке Республики Беларусь, должна быть маркирована знаком соответствия TP BY.

Brazil ANATEL statement

Este equipamento não tem direito à proteção contra interferência prejudicial e não pode causar interferência em sistemas devidamente autorizados.

Para maiores informações consulte o site da ANATEL – www.anatel.gov.br

Canadian statements

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

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

China CMIIT Wireless Statement

中国无线电发射设备通告

型号核准代码显示在产品本体的铭牌上。

Exposure to Radio Frequency Radiation (Canada)

⚠ WARNING! Exposure to Radio Frequency Radiation The radiated output power of this device is below the Industry Canada radio frequency exposure limits. Nevertheless, the device should be used in such a manner that the potential for human contact is minimized during normal operation.

To avoid the possibility of exceeding the Industry Canada radio frequency exposure limits, human proximity to the antennas should not be less than .

AVERTISSEMENT! Exposition aux émissions de fréquences radio. La puissance de sortie émise par ce périphérique est inférieure aux limites fixées par Industrie Canada en matière d'exposition aux fréquences radio. Néanmoins, les précautions d'utilisation du périphérique doivent être respectées afin de limiter tout risque de contact avec une personne.

European Regulatory Notice

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

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

Notice for use in Japan

この機器は技術基準適合証明又は工事設計認証を受けた無線設備を搭載しています。

Notice for use in Russia

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

Mexico statement

Aviso para los usuarios de México

“La operación de este equipo está sujeta a las siguientes dos condiciones: (1) es posible que este equipo o dispositivo no cause interferencia perjudicial y (2) este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su operación no deseada."

Para saber el modelo de la tarjeta inalámbrica utilizada, revise la etiqueta regulatoria de la impresora.

Taiwan statement

取得審驗證明之低功率射頻器材，非經核准，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。低功率射頻器材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。前述合法通信，指依電信管理法規定作業之無線電通信。低功率射頻器材須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

Thailand Wireless Statement

เครื่องวิทยุคมนาคมนี้มีระดบั การแผ่คลื่นแม่เหล็กไฟฟ้ าสอดคล้องตามมาตรฐานความปลอดภยั ต่อสุขภาพของมนุษย์จากการ ใช้เครื่องวิทยุคมนาคมที่คณะกรรมการกิจการโทรคมนาคมแห่งชาติประกาศกำหนด

This radio communication equipment has the electromagnetic field strength in compliance with the Safety Standard for the Use of Radio Communication Equipment on Human Health announced by the National Telecommunications Commission.

Vietnam Telecom wireless marking for ICTQC Type approved products

HP
B00502010
ICT

Dynamic Security Enabled Printers

This printer is intended to work only with cartridges that have a new or reused HP chip. A reused HP chip enables the use of reused, remanufactured, and refilled cartridges.

The printer uses dynamic security measures to block cartridges using a non-HP chip. Periodic firmware updates delivered over the internet will maintain the effectiveness of the dynamic security measures and block cartridges that previously worked.

Updates can improve, enhance, or extend the printer’s functionality and features, protect against security threats, and serve other purposes, but these updates can also block cartridges using a non-HP chip from working in the printer, including cartridges that work today. Unless you are enrolled in certain HP programs such as Instant

Ink or use other services that require automatic online firmware updates, most HP printers can be configured to receive updates either automatically or with a notification that allows you to choose whether to update or not. For more information on dynamic security and how to configure online firmware updates, please go to www.hp.com/learn/ds.

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