



LASERJET PRO MFP

User Guide



M435nw



HP LaserJet Pro MFP M435nw

User Guide

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1 Product introduction

- [Product features](#)
- [Product views](#)
- [Control panel overview](#)

For more information:

Go to www.hp.com/support/ljMFPM435nw.

HP's all-inclusive help for the product includes the following information:

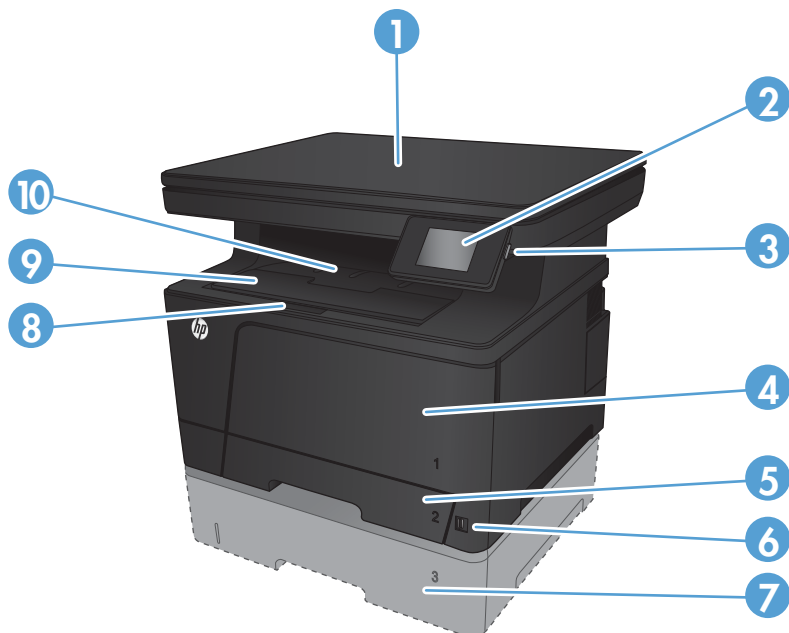
- Install and configure
- Learn and use
- Solve problems
- Download software updates
- Join support forums
- Find warranty and regulatory information

Product features

Paper handling	Tray 1 (100-sheet multipurpose tray)
	Tray 2 (250-sheet input tray)
	Optional Tray 3 (500-sheet input tray accessory)
	250-sheet output bin
	Optional duplex printing accessory
Supported operating systems	Windows XP, 32-bit
	Windows Vista, 32-bit and 64-bit
	Windows 7, 32-bit and 64-bit
	Windows 8, 32-bit and 64-bit
	Windows 2003 Server (32-bit and 64-bit), print and scan drivers only
	Windows 2008 Server (32-bit and 64-bit), print and scan drivers only
	Windows 2012 Server, print and scan drivers only
	Mac OS X v10.6.8 and later
Supported print drivers	The HP PCL 6 print driver is included on the in-box CD as the default print driver. It is automatically installed unless you select a different one.
	For more information and additional driver options, go to www.hp.com/support .
Connectivity	Hi-Speed USB 2.0
	10/100 Ethernet LAN connection
	Wireless network connection
Memory	256 MB DDR3 RAM
Control-panel display	Color graphical touch screen
Print	Prints 31 pages per minute (ppm) on A4-size paper, prints 30 ppm on Letter-size paper, and prints 15 ppm on A3-size paper
	Print resolution is up to 1200x1200 dpi
	Supports HP ePrint
	Walk-up USB printing (no computer required)
Copy	Copies at up to 31 copies per minute (cpm)
	Copy resolution is 300 dots per inch (dpi)
	Flatbed scanner supports page sizes up to 297 mm (11.7 in) in length and up to 420mm (16.5 in) in width
	Optional duplex copying
Scan	Scans in black and white or color with resolution up to 1200 dpi
	Scan to Email (no software required)
	Scan to Network Folder (no software required)
	Walk-up USB scanning (no computer required)

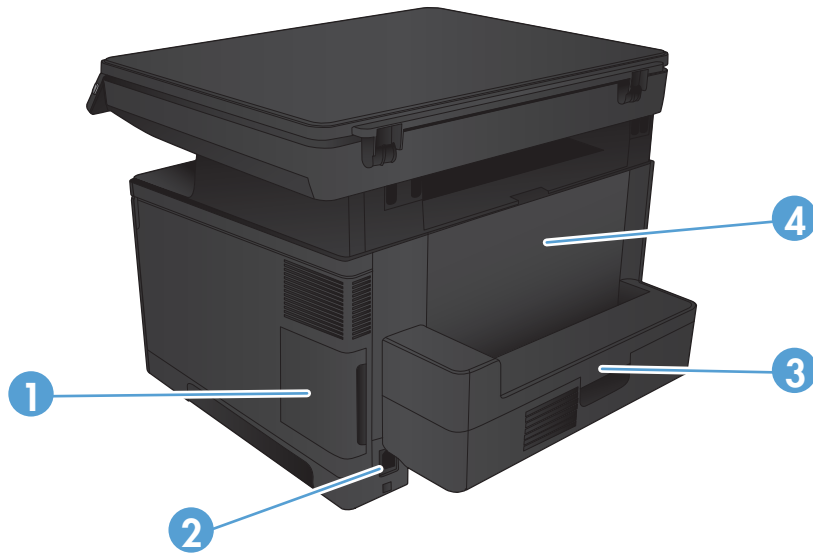
Product views

Product front view



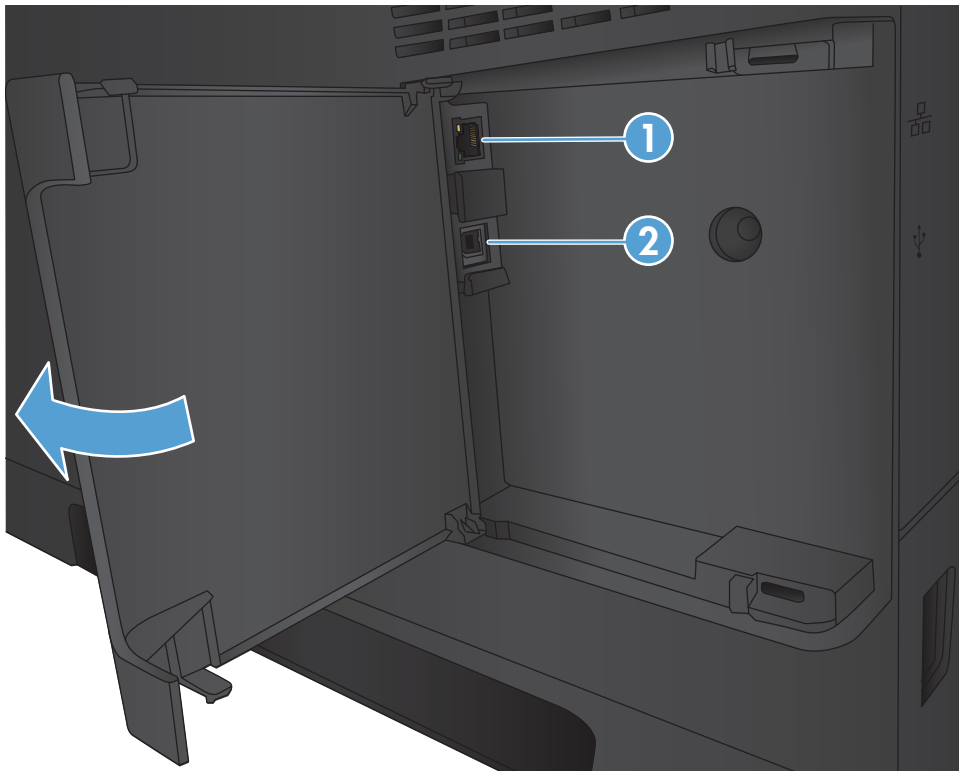
1	Scanner
2	Color touchscreen control panel (tilts up for easier viewing)
3	On/off button
4	Tray 1 (pull the handles on the sides to open)
5	Tray 2
6	Walk-up USB port (for printing and scanning without a computer)
7	Optional Tray 3 (available as an accessory)
8	Latch to open the front cover (access to the toner cartridge)
9	Output-bin extension for long paper
10	Output bin

Product back view



-
- | | |
|---|---|
| 1 | Port cover |
| 2 | Power connection |
| 3 | Optional duplex printing accessory |
| 4 | Rear door (provides access for clearing jams) |
-

Interface ports



-
- | | |
|---|-----------------------|
| 1 | Network port |
| 2 | Hi-Speed USB 2.0 port |
-

Control panel overview


Control-panel layout



1	Touchscreen display	Provides access to the product features and indicates the current status of the product
2	Help button and light	Provides access to the control-panel help system
3	On/off button	Turns the product on or off
4	Right arrow button and light	Moves the cursor to the right or moves the display image to the next screen NOTE: This button illuminates only when the current screen can use this feature.
5	Cancel button and light	Clears settings, cancels the current job, or exits the current screen NOTE: This button illuminates only when the current screen can use this feature.
6	Back button and light	Returns to the previous screen NOTE: This button illuminates only when the current screen can use this feature.
7	Left arrow button and light	Moves the cursor to the left NOTE: This button illuminates only when the current screen can use this feature.
8	Home button and light	Provides access to the Home screen
9	Wireless light	Indicates the wireless network is enabled. The light blinks while the product is establishing a connection to the wireless network.

Control-panel Home screen

The Home screen provides access to the product features, and it indicates the product status.

 **NOTE:** Depending on the product configuration, the features on the Home screen can vary. The layout might also be reversed for some languages.



1	Web Services button	Provides quick access to HP Web Services features, including HP ePrint HP ePrint is a tool that prints documents by using any email enabled device to send them to the product's email address.
2	Setup button	Provides access to the main menus
3	Wireless button	Provides access to the Wireless menu and wireless status information NOTE: When you are connected to a wireless network, this icon changes to a set of signal strength bars. NOTE: This button does not display when the product is connected to a wired network.
4	Network button	Provides access to network settings and information. From the network settings screen, you can print the Network Summary page. NOTE: This button displays only when the product is connected to a network.
5	Information button	Provides product status information. From the status summary screen, you can print the Configuration Report page.
6	Supplies button	Provides information about supplies status. From the supplies summary screen, you can print the Supplies Status page.
7	Product status	Indicates whether the product is ready or is processing a job
8	Apps button	Provides access to the Apps menu to print directly from Web applications that you have downloaded from the HP Connected Web site at www.hpconnected.com
9	USB button	Provides access to the walk-up USB feature (for printing and scanning without a computer)
10	Scan button	Provides access to the scan features
11	Copy button	Provides access to the copy features

2 Paper trays

- [Supported paper sizes and types](#)
- [Load Tray 1 \(multipurpose tray\)](#)
- [Load Tray 2](#)
- [Load Tray 3 \(accessory\)](#)

For more information:

Go to www.hp.com/support/ljMFPM435nw.

HP's all-inclusive help for the product includes the following information:

- Install and configure
- Learn and use
- Solve problems
- Download software updates
- Join support forums
- Find warranty and regulatory information

Supported paper sizes and types

- [Supported paper sizes](#)
- [Supported paper types](#)

Supported paper sizes



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

Table 2-1 Supported paper sizes

Size and dimensions	Tray 1	Tray 2	Tray 3 (optional)	Optional duplex printing
Letter 216 x 279 mm (8.5 x 11 in)	✓	✓	✓	✓
Legal 216 x 356 mm (8.5 x 14 in)	✓	✓	✓	✓
11 x 17 279 x 432 mm (11 x 17 in)	✓	✓	✓	✓
12 x 18 305 x 457 mm (12 x 18 in)	✓			
A3 297 x 420 mm (11.7 x 16.5 in)	✓	✓	✓	✓
A4 210 x 297 mm (8.3 x 11.7 in)	✓	✓	✓	✓
A5 148 x 210 mm (5.8 x 8.3 in)	✓	✓	✓	✓
A6 105 x 148 mm (4.1 x 5.8 in)	✓			
RA3 305 x 430 mm (12.0 x 16.9 in)	✓			
B4 (JIS) 257 x 364 mm (10.1 x 14.3 in)	✓	✓	✓	✓
B5 (JIS) 182 x 257 mm (7.2 x 10.1 in)	✓	✓	✓	✓
Executive 184 x 267 mm (7.3 x 10.5 in)	✓	✓	✓	✓

Table 2-1 Supported paper sizes (continued)

Size and dimensions	Tray 1	Tray 2	Tray 3 (optional)	Optional duplex printing
Postcard (JIS) 100 x 148 mm (3.9 x 5.8 in)	✓			
D Postcard (JIS) 200 x 148 mm (7.9 x 5.8 in)	✓			
8K 260 x 368 mm (10.2 x 14.5 in)	✓			
8K 270 x 390 mm (10.6 x 15.4 in)	✓			
8K 273 x 394 mm (10.8 x 15.6 in)	✓			
16K 184 x 260 mm (7.2 x 10.25 in)	✓	✓	✓	
16K 195 x 270 mm (7.7 x 10.6 in)	✓	✓	✓	✓
16K 197 x 273 mm (7.75 x 10.75 in)	✓	✓	✓	
Oficio 8.5 x 13 216 x 330 mm (8.5 x 13 in)	✓	✓	✓	✓
Envelope #10 105 x 241 mm (4.1 x 9.5 in)	✓			
Envelope Monarch 98 x 191 mm (3.9 x 7.5 in)	✓			
Envelope B5 176 x 250 mm (6.9 x 9.8 in)	✓			
Envelope C5 162 x 229 mm (6.4 x 9 in)	✓			
Envelope DL 110 x 220 mm (4.3 x 8.7 in)	✓			

Table 2-1 Supported paper sizes (continued)

Size and dimensions	Tray 1	Tray 2	Tray 3 (optional)	Optional duplex printing
Custom 76 x 127 mm to 312 x 470 mm (3.0 x 5.0 in to 12.3 x 18.5 in)	✓			
Custom 148 x 210 mm to 297 x 432 mm (5.8 x 8.3 in to 11.7 x 17 in)		✓	✓	

Supported paper types




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

Paper type	Tray 1	Tray 2	Tray 3 (optional)	Optional duplex printing
Plain	✓	✓	✓	✓
Light 60–74g	✓	✓	✓	✓
Midweight 96–110g	✓	✓	✓	✓
Heavy 111–130g	✓	✓	✓	
Extra Heavy 131–175g	✓			
Monochrome Laser Transparency	✓	✓	✓	
Labels	✓			
Letterhead	✓	✓	✓	✓
Preprinted	✓	✓	✓	✓
Prepunched	✓	✓	✓	✓
Colored	✓	✓	✓	✓
Rough	✓			
Bond	✓	✓	✓	✓
Recycled	✓	✓	✓	✓
Envelope	✓			
Cardstock 176–220g	✓			

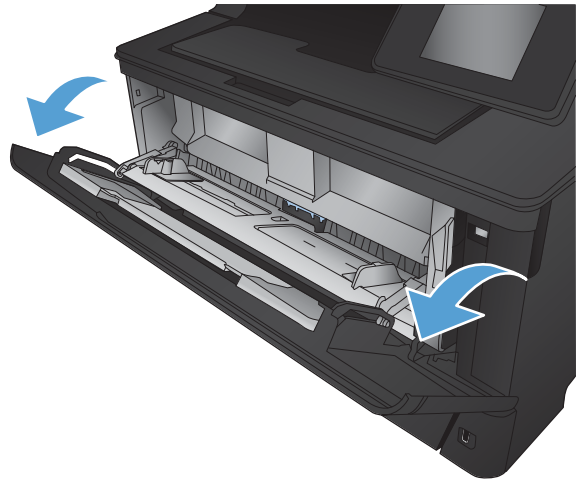
Paper type	Tray 1	Tray 2	Tray 3 (optional)	Optional duplex printing
Vellum	✓			
HP EcoSMART Lite	✓	✓	✓	✓

Load Tray 1 (multipurpose tray)

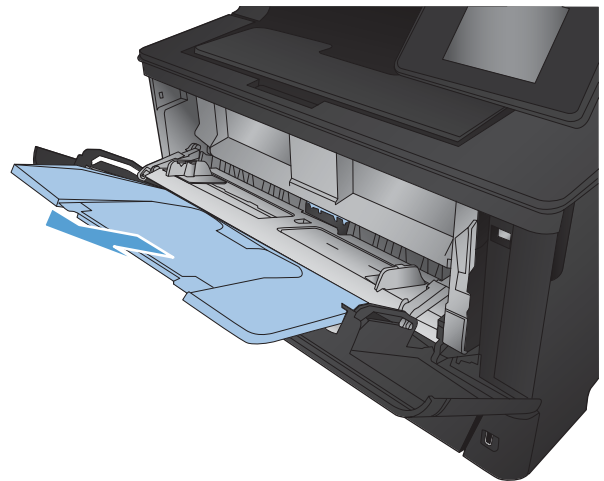
 **NOTE:** Tray 1 holds up to 100 sheets of paper, up to 75 transparencies, up to 50 sheets of labels, or up to 10 envelopes. It supports cut sheet paper weight 60–199 g/m² (16–53 lb); labels and transparencies 0.10 to 0.14 mm thick (4.7 to 5 mils thick); envelopes weight 60 to 90 g/m² (16 to 24 lb); and postcards weight 135 to 176 g/m² (36–47 lb).

For information about the correct paper orientation for loading paper in this tray, see [Tray 1 paper orientation on page 17](#).

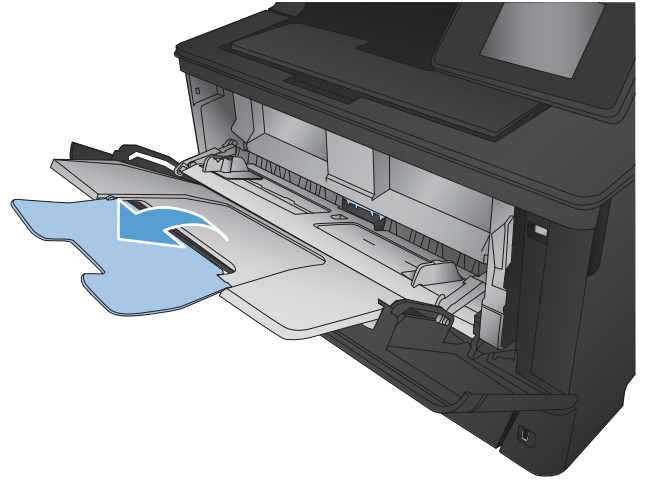
1. Open Tray 1 by grasping the handles on each side of the tray and pulling down.



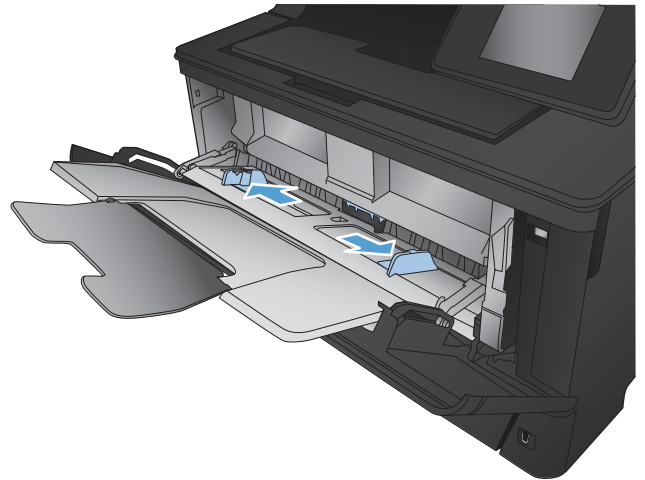
2. Slide out the tray extension.



3. For long paper, fold out the tray extension to support the paper.

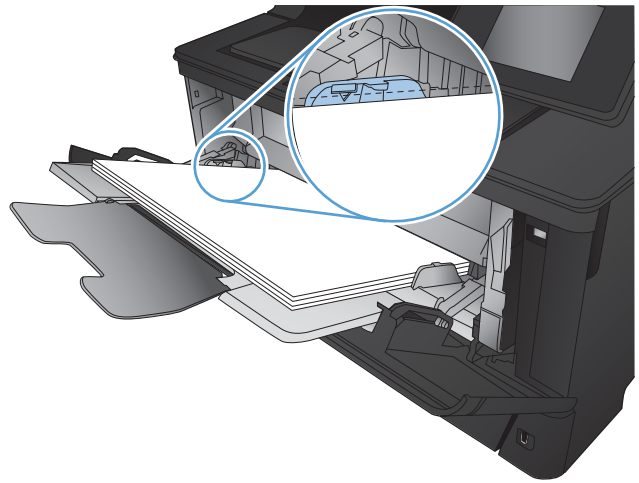


4. Open the paper guides.

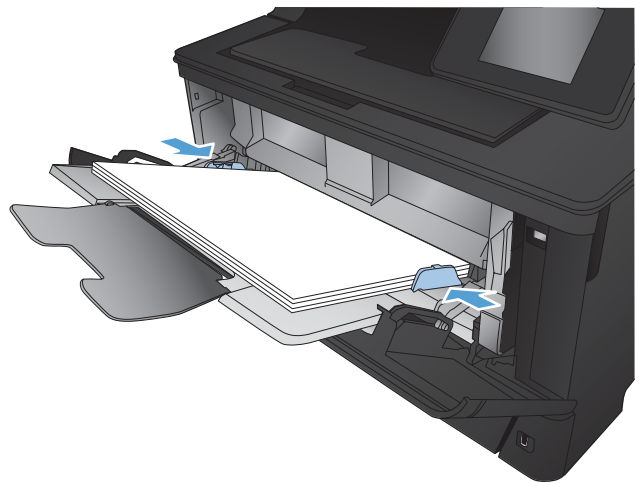



5. Load the paper into the tray. Make sure that the paper fits under the tabs and below the maximum-height indicators.

The way you should orient the paper in the tray varies depending on the paper size. For additional information, see [Tray 1 paper orientation on page 17](#).

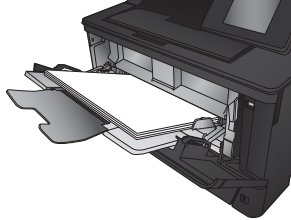
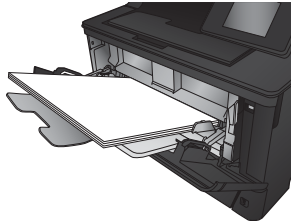
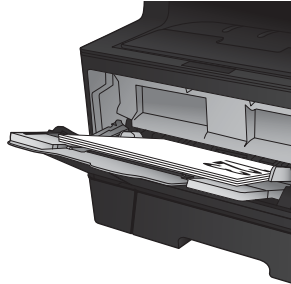
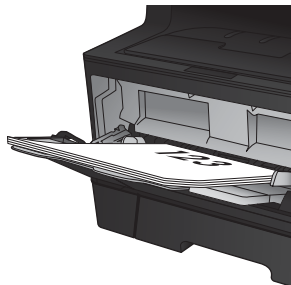


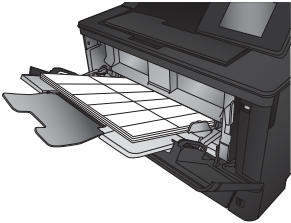
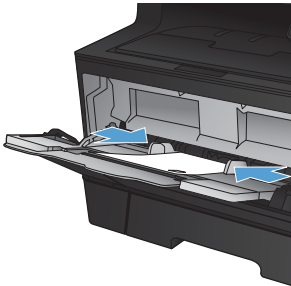
6. Adjust the paper guides so that they lightly touch the paper stack but do not bend the paper.



 **NOTE:** To avoid jams, do not add paper to Tray 1 while the product is printing. Do not close Tray 1 while the product is printing.

Tray 1 paper orientation

Paper type	Paper size	How to load paper
Cut sheet paper	Letter, A4, A5, B5, Executive, 16K, and custom sizes	Long edge leading into the product 
	A3, B4, 11 x 17, Legal, Oficio 8.5 x 13, and custom sizes	Short edge leading into the product 
Preprinted, prepunched, or letterhead	Letter, A4, A5, B5, Executive, 16K, and custom sizes	Face-up Long edge leading into the product with the top of the page to the right of the tray 
	A3, B4, 11 x 17, Legal, Oficio 8.5 x 13, and custom sizes	Face-up Top edge leading into the product 

Paper type	Paper size	How to load paper
Labels	Any compatible label size	Face up 
Envelopes	Any compatible envelope size	Face-up Top edge toward the right of the tray, postage end entering the product last 

Load Tray 2

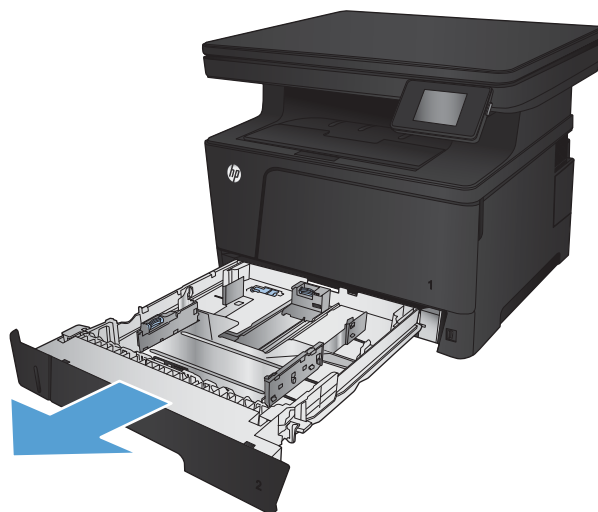
Tray 2 holds up to 250 sheets of 75 g/m² (20 lb) paper. If the paper is heavier, the tray does not hold as many sheets. Do not overfill the tray. It supports cut sheet paper weight 60–120 g/m² (16–32 lb).

For information about the correct paper orientation for loading paper in this tray, see [Tray 2 paper orientation on page 22](#).

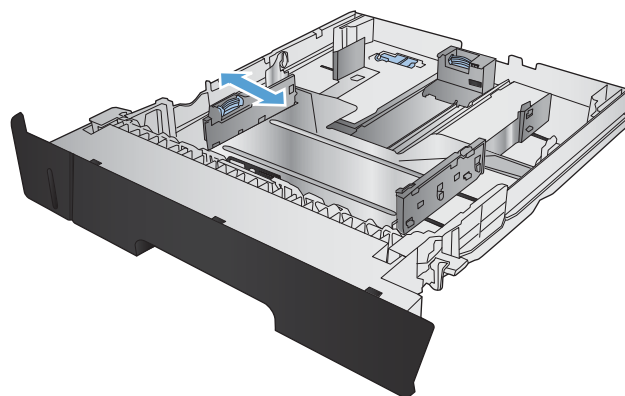
⚠ CAUTION: Do not print envelopes, labels, or unsupported sizes of paper from Tray 2. Print these types of paper only from Tray 1.

1. Pull the tray out and lift up slightly to remove it completely from the product.

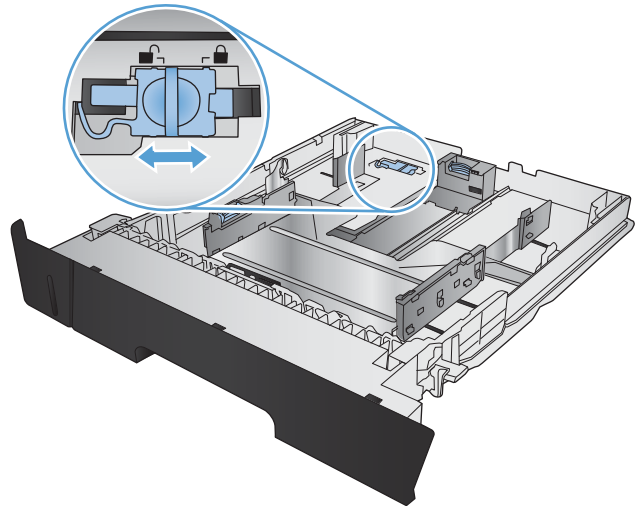
NOTE: Do not open the tray while it is in use.



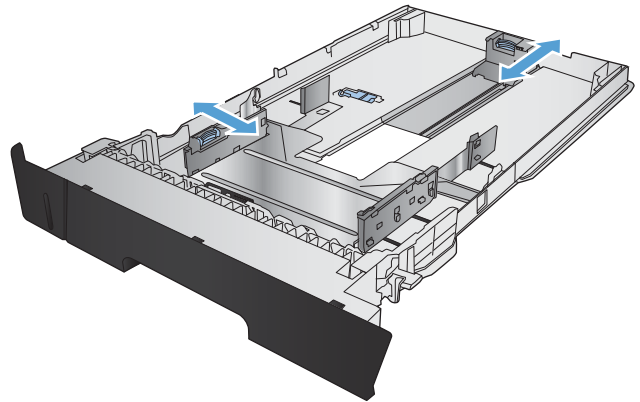
2. Pinch the release that is located on the left guide and slide the side guides to the correct paper size.



3. If you are loading B4, A3, 11 x 17, Legal, or Oficio 8.5 x 13 size paper, unlock the rear tray guide using the slide lock at the back of the tray.



4. Adjust the tray length to the correct paper size.

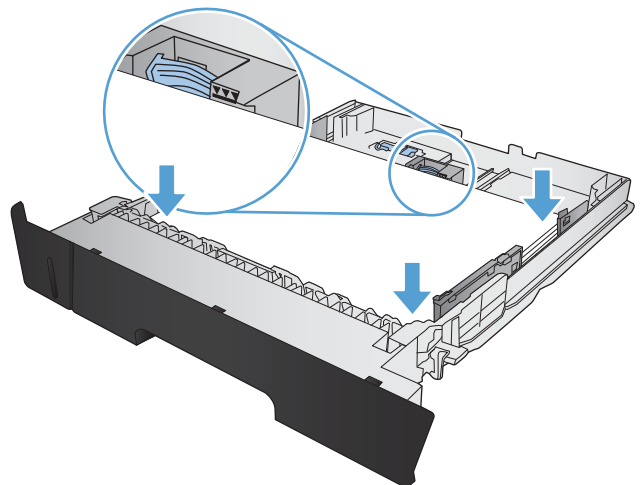


5. Load paper into the tray. Check the paper to make sure the guides lightly touch the stack, but do not bend the paper.

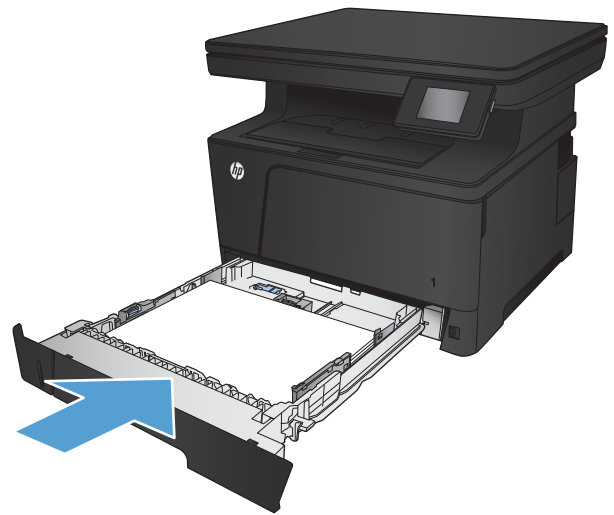
The way you should orient the paper in the tray varies depending on the paper size. For additional information, see [Tray 2 paper orientation on page 22](#).


NOTE: To prevent jams, do not overfill the tray. Be sure the top of the stack is below the tray full indicator.

NOTE: If the tray is not adjusted correctly, an error message might display during printing or the paper might jam.



6. Slide the tray completely into the product.



7. On the product control panel, configure the paper size and type to match the paper loaded in the tray.
 - a. From the Home screen on the product control panel, touch the Setup  button.
 - b. Open the following menus:
 - [System Setup](#)
 - [Paper Setup](#)
 - [Tray 2](#)
 - c. Touch [Paper Size](#) and select the correct size.
 - d. Touch [Paper Type](#) and select the correct type.


Tray 2 paper orientation

Paper type	Paper size	How to load paper
Cut sheet paper	Letter, A4, A5, B5, Executive, 16K, and custom sizes	Long edge along the front of the tray
		
	A3, B4, 11 x 17, Legal, Oficio 8.5 x 13, and custom sizes	Long edge along the side of the tray
		
Preprinted, prepunched, or letterhead	Letter, A4, A5, B5, Executive, 16K, and custom sizes	Face-down Top edge at the right of the tray
		
	A3, B4, 11 x 17, Legal, Oficio 8.5 x 13, and custom sizes	Face-down Top edge at the front of the tray
		

Load Tray 3 (accessory)

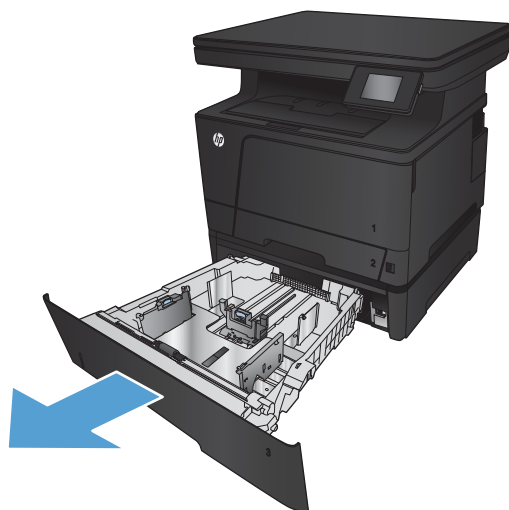
Optional Tray 3 holds up to 500 sheets of 75 g/m² (20 lb) paper. If the paper is heavier, the tray does not hold as many sheets. Do not overfill the tray. It supports cut sheet paper weight 60–120 g/m² (16–32 lb).

For information about the correct paper orientation for loading paper in this tray, see [Tray 3 paper orientation on page 26](#).

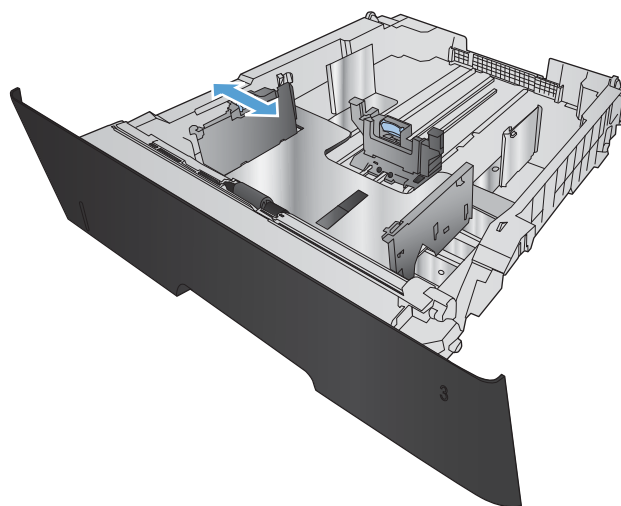
 **NOTE:** Do not print envelopes, labels, or unsupported sizes of paper from Tray 3. Print these types of paper only from Tray 1.

1. Pull the tray out and lift up slightly to remove it completely from the product.

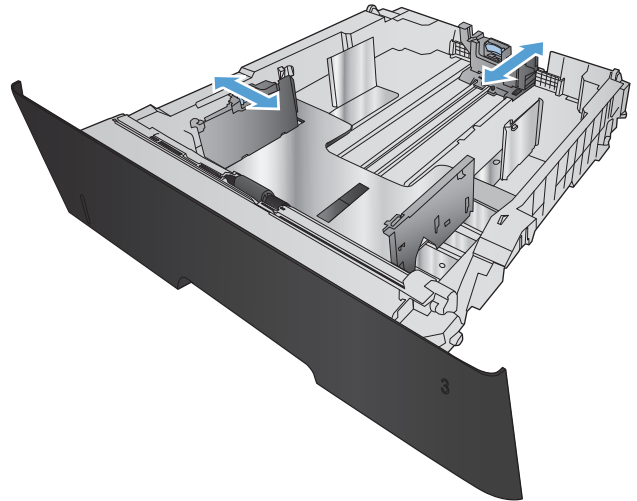
NOTE: Do not open the tray while it is in use.



2. Pinch the release that is located on the left guide and slide the side guides to the correct paper size.



3. Adjust the paper length to the correct paper size.

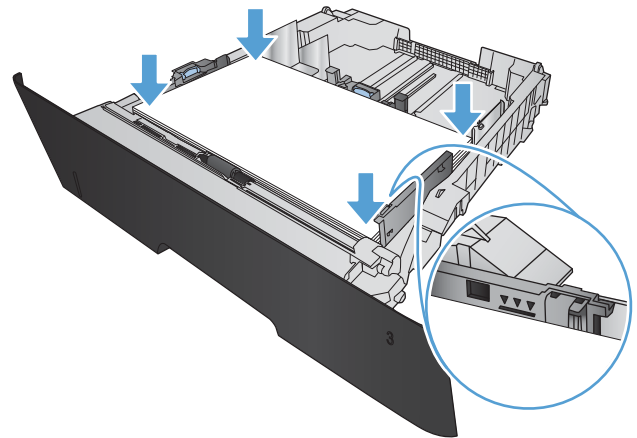


4. Load paper into the tray. Check the paper to make sure the guides lightly touch the stack, but do not bend the paper.

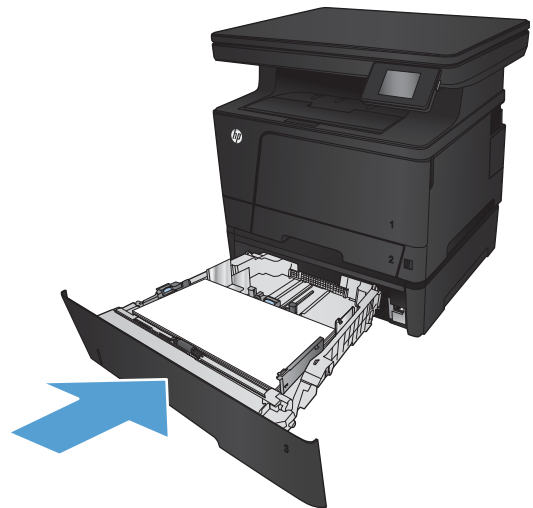
The way you should orient the paper in the tray varies depending on the paper size. For additional information, see [Tray 3 paper orientation on page 26](#).


NOTE: To prevent jams, do not overfill the tray. Be sure the top of the stack is below the tray full indicator.

NOTE: If the tray is not adjusted correctly, an error message might display during printing or the paper might jam.



5. Slide the tray completely into the product.



6. On the product control panel, configure the paper size and type to match the paper loaded in the tray.
 - a. From the Home screen on the product control panel, touch the Setup  button.
 - b. Open the following menus:
 - System Setup
 - Paper Setup
 - Tray 3
 - c. Touch [Paper Size](#) and select the correct size.
 - d. Touch [Paper Type](#) and select the correct type.

Tray 3 paper orientation

Paper type	Paper size	How to load paper
Cut sheet paper	Letter, A4, A5, B5, Executive, 16K, and custom sizes	Long edge along the front of the tray 
	A3, B4, 11 x 17, Legal, Oficio 8.5 x 13, and custom sizes	Long edge along the side of the tray 
Preprinted, prepunched, or letterhead	Letter, A4, A5, B5, Executive, 16K, and custom sizes	Face-down Top edge at the right of the tray 
	A3, B4, 11 x 17, Legal, Oficio 8.5 x 13, and custom sizes	Face-down Top edge at the front of the tray 

3 Print

- [Print tasks \(Windows\)](#)
- [Print tasks \(Mac OS X\)](#)
- [Web-based printing](#)
- [Set up HP Wireless Direct Printing](#)
- [Use walk-up USB printing](#)

For more information:

Go to www.hp.com/support/ljMFPM435nw.

HP's all-inclusive help for the product includes the following information:

- Install and configure
- Learn and use
- Solve problems
- Download software updates
- Join support forums
- Find warranty and regulatory information

Print tasks (Windows)

- [How to print \(Windows\)](#)
- [Automatically print on both sides \(Windows\)](#)
- [Manually print on both sides \(Windows\)](#)
- [Print multiple pages per sheet \(Windows\)](#)
- [Select the paper type \(Windows\)](#)
- [Additional printing information](#)

How to print (Windows)

The following procedure describes the basic printing process for Windows.

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



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

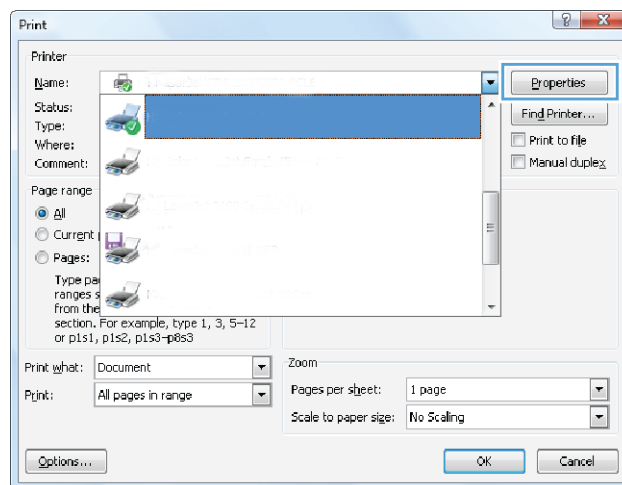
3. Click or tap the tabs in the print driver to configure the available options.
4. Click or tap the **OK** button to return to the **Print** dialog box. Select the number of copies to print from this screen.
5. Click or tap the **OK** button to print the job.

Automatically print on both sides (Windows)

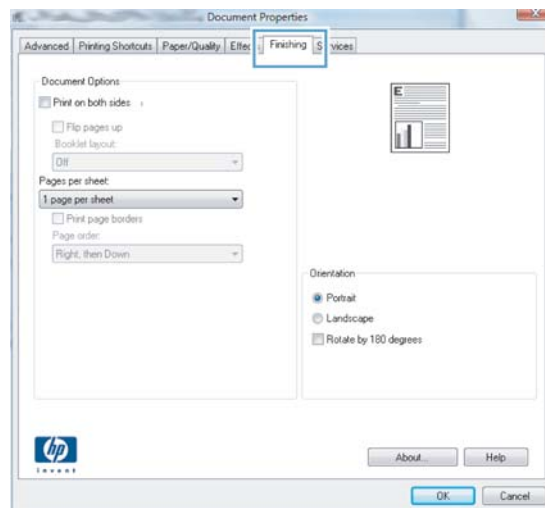
Use this procedure for products that have an automatic duplexer installed. If the product does not have an automatic duplexer installed, or to print on paper types that the duplexer does not support, you can print on both sides manually.

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

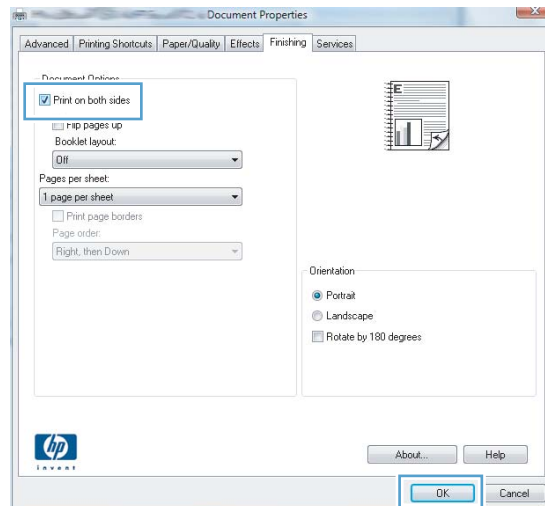
NOTE: The name of the button varies for different software programs.



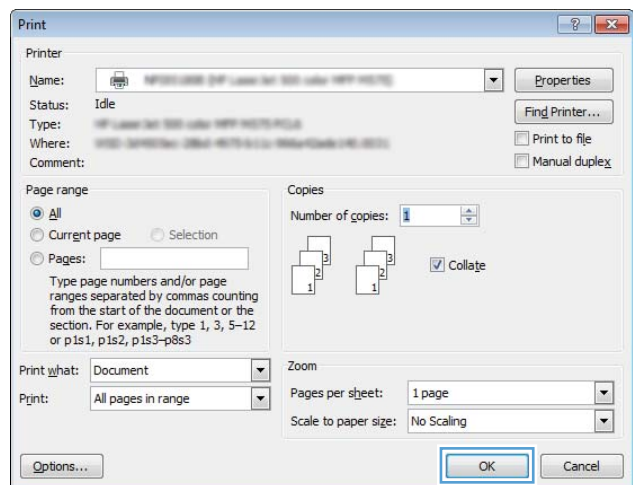
3. Click or tap the **Finishing** tab.



4. Select the **Print on both sides** check box. Click the **OK** button to close the **Document Properties** dialog box.



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

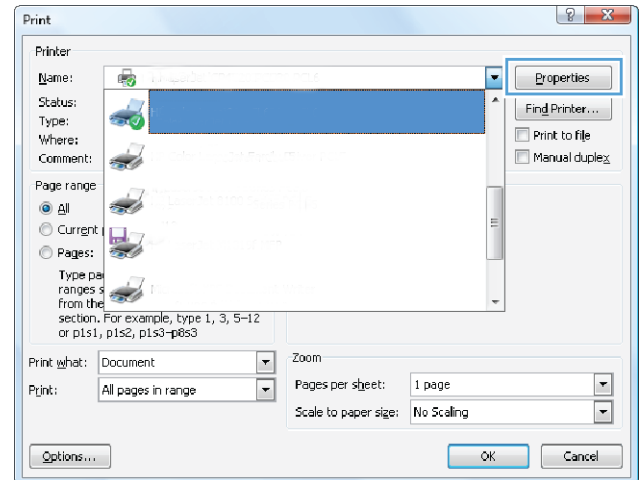


Manually print on both sides (Windows)

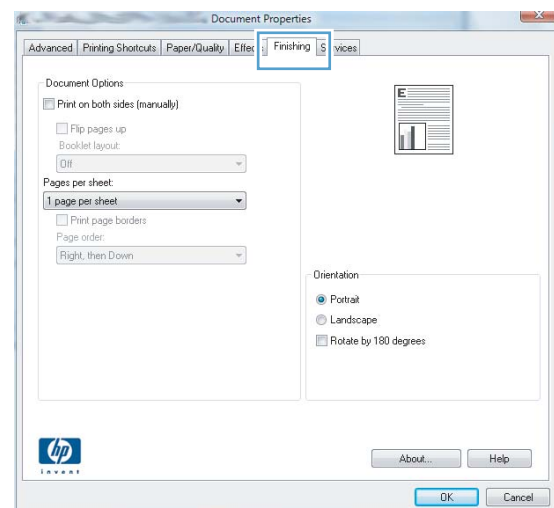
Use this procedure for products that do not have an automatic duplexer installed or to print on paper that the duplexer does not support.

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

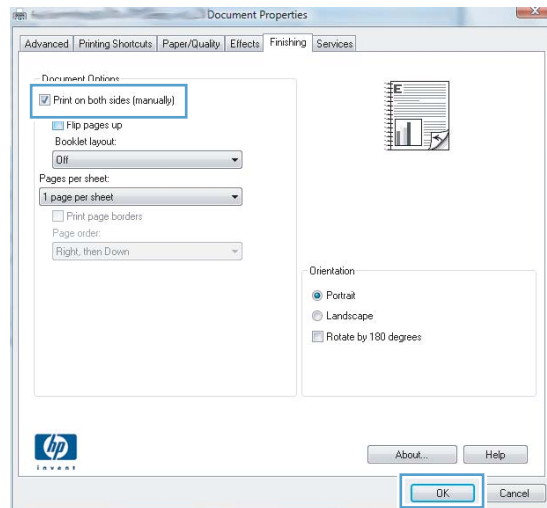
NOTE: The name of the button varies for different software programs.



3. Click or tap the **Finishing** tab.



4. Select the **Print on both sides (manually)** check box. Click the **OK** button to print the first side of the job.



5. Retrieve the printed stack from the output bin, and place it with the printed-side facing down in Tray 1.

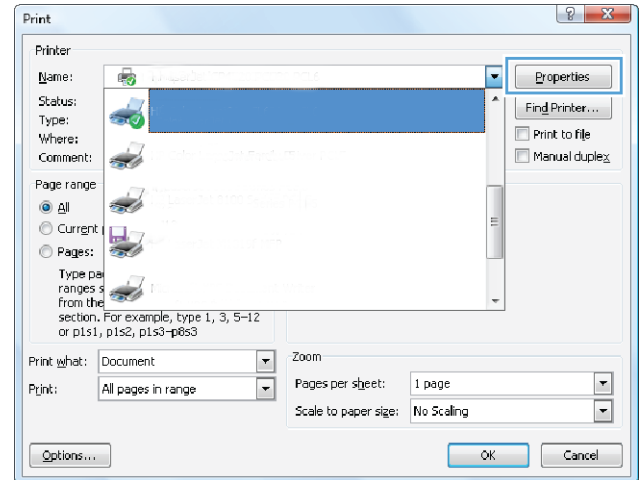


6. If prompted, touch the appropriate control panel button to continue.

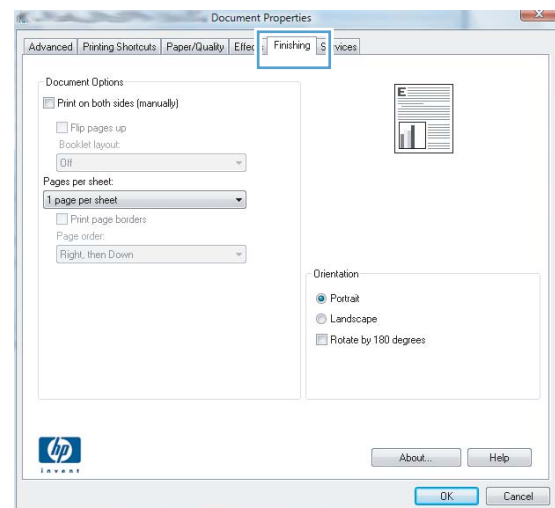
Print multiple pages per sheet (Windows)

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

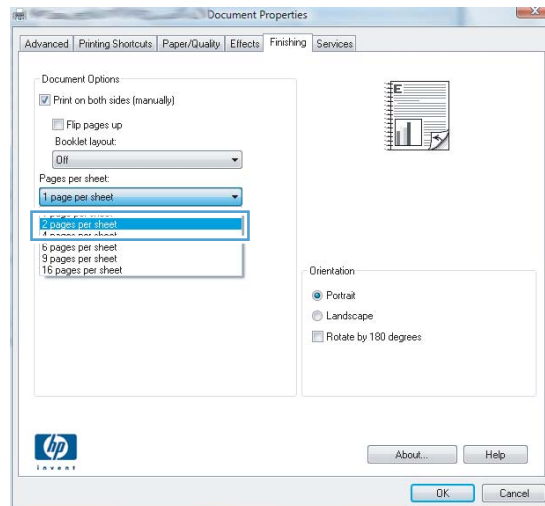
NOTE: The name of the button varies for different software programs.



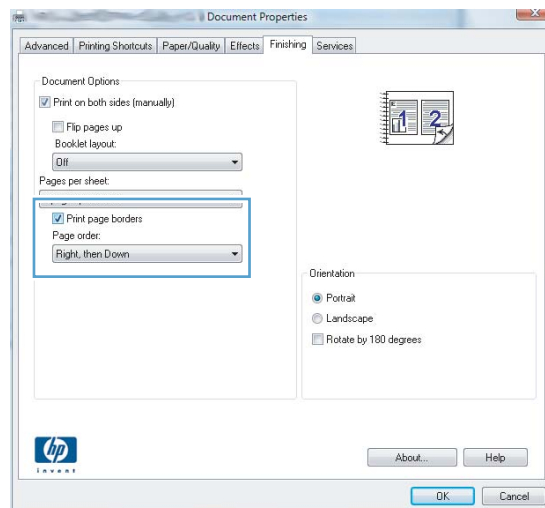
3. Click or tap the **Finishing** tab.



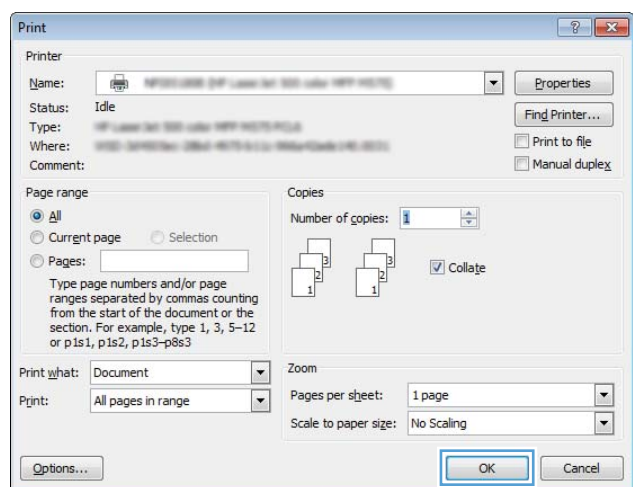
4. Select the number of pages per sheet from the **Pages per sheet** drop-down list.



5. Select the correct **Print page borders**, **Page order**, and **Orientation** options. Click the **OK** button to close the **Document Properties** dialog box.



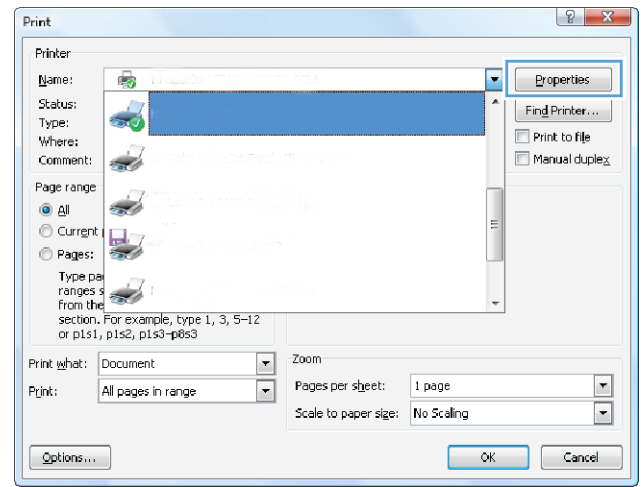
6. In the **Print** dialog box, click the **OK** button to print the job.



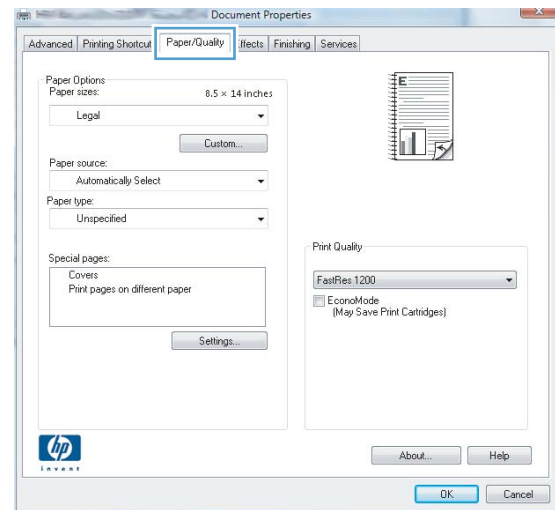
Select the paper type (Windows)

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

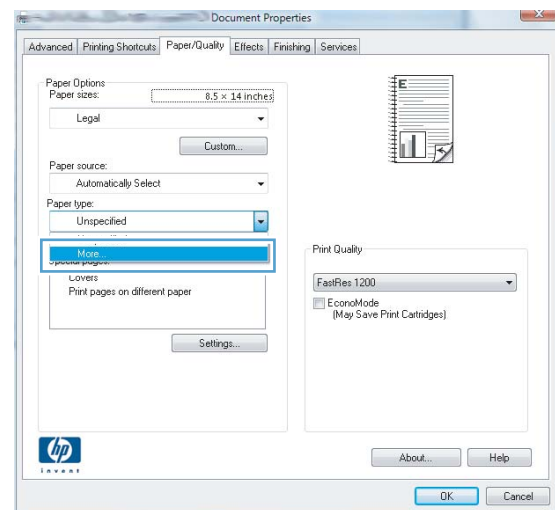
NOTE: The name of the button varies for different software programs.



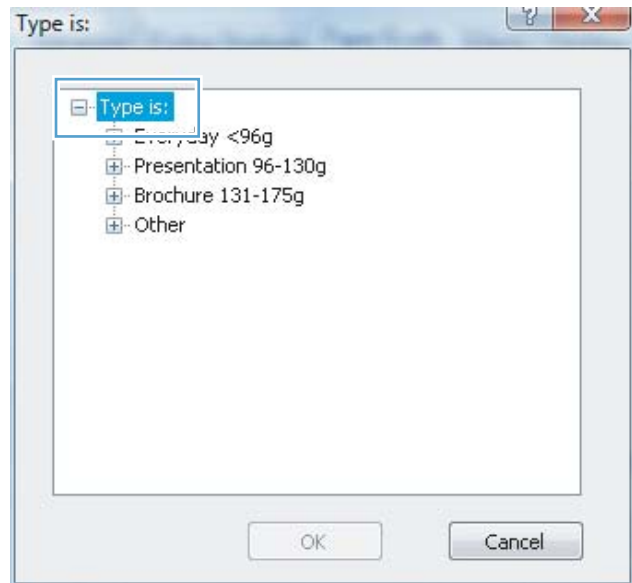
3. Click or tap the **Paper/Quality** tab.



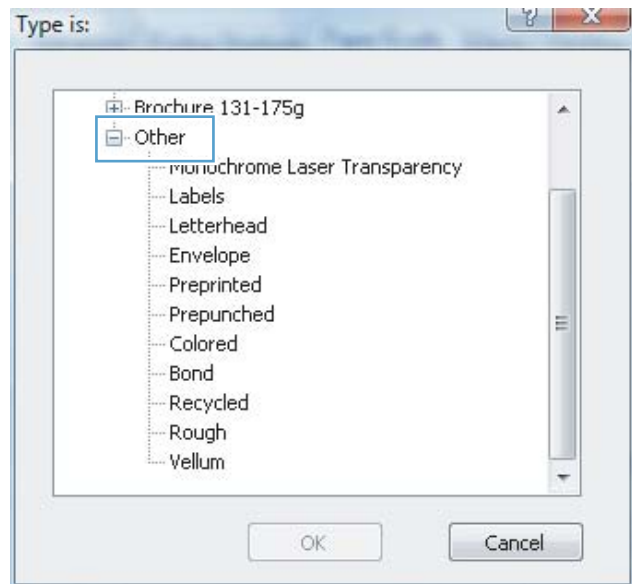
4. From the **Paper type** drop-down list, click the **More...** option.



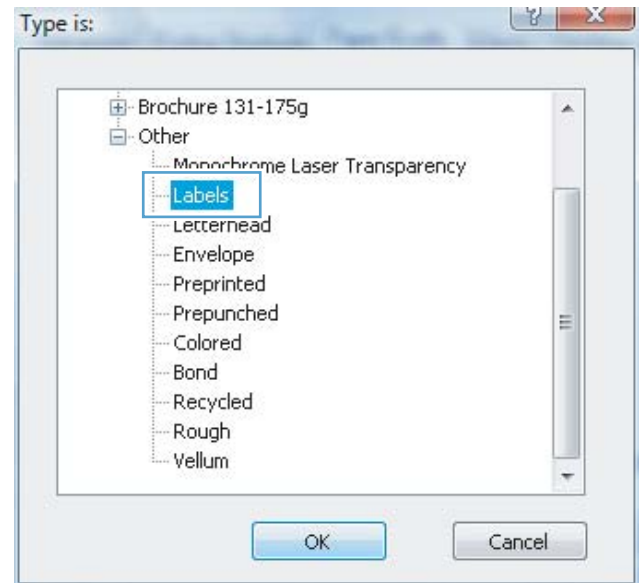
5. Expand the list of **Type is:** options.



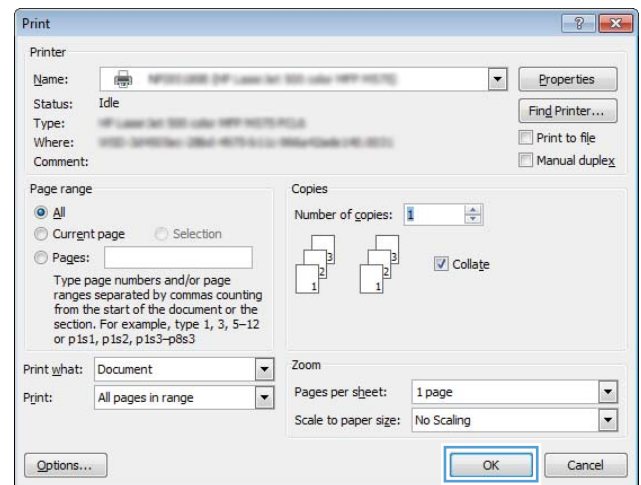
6. Expand the category of paper types that best describes your paper.



7. Select the option for the type of paper you are using, and then click the **OK** button.



8. Click the **OK** button to close the **Document Properties** dialog box. In the **Print** dialog box, click the **OK** button to print the job.



Additional printing information

Go to www.hp.com/support to visit the support Web site for this product, and for details about performing specific print tasks, such as the following:

- Create and use printing shortcuts or presets
- Select the paper size, or use a custom paper size
- Select the page orientation
- Create a booklet
- Scale a document to fit a specific paper size
- Print the first or last pages of the document on different paper
- Print watermarks on a document

Print tasks (Mac OS X)

- [How to print \(Mac OS X\)](#)
- [Automatically print on both sides \(Mac OS X\)](#)
- [Manually print on both sides \(Mac OS X\)](#)
- [Print multiple pages per sheet \(Mac OS X\)](#)
- [Select the paper type \(Mac OS X\)](#)
- [Additional printing information](#)

How to print (Mac OS X)

The following procedure describes the basic printing process for Mac OS X.

1. Click the **File** menu, and then click the **Print** option.
2. In the **Printer** menu, select the product.
3. Open the menus drop-down list or click **Show Details**, and then select other menus to adjust the print settings.
4. Click the **Print** button.

Automatically print on both sides (Mac OS X)

 **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. In the **Printer** menu, select the product.
3. Open the menus drop-down list or click **Show Details**, and then click the **Layout** menu.
4. Select a binding option from the **Two-Sided** drop-down list.
5. Click the **Print** button.

Manually print on both sides (Mac OS X)

 **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. In the **Printer** menu, select this product.
3. Open the menus drop-down list or click **Show Details**, and then click the **Manual Duplex** menu.
4. Click the **Manual Duplex** box, and select a binding option.
5. Click the **Print** button.

6. Go to the product, and remove any blank paper that is in Tray 1.
7. Retrieve the printed stack from the output bin and place it with the printed-side facing down in the input tray.
8. If prompted, touch the appropriate control panel button to continue.

Print multiple pages per sheet (Mac OS X)

1. Click the **File** menu, and then click the **Print** option.
2. In the **Printer** menu, select the product.
3. Open the menus drop-down list or click **Show Details**, and then click the **Layout** menu.
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.

Select the paper type (Mac OS X)

1. Click the **File** menu, and then click the **Print** option.
2. In the **Printer** menu, select the product.
3. Open the menus drop-down list or click **Show Details**, and then click the **Finishing** menu.
4. Select a type from the **Media-type** drop-down list.
5. Click the **Print** button.

Additional printing information

Go to www.hp.com/support to visit the support Web site for this product, and for details about performing specific print tasks, such as the following:

- Create and use printing shortcuts or presets
- Select the paper size, or use a custom paper size
- Select the page orientation
- Create a booklet
- Scale a document to fit a specific paper size
- Print the first or last pages of the document on different paper
- Print watermarks on a document


Web-based printing

Several options are available for remote printing over the Internet. For more information about these options, see the support Web site for this product.

HP ePrint

Use HP ePrint to print documents by sending them as an email attachment to the product's email address from any email enabled device.

To use HP ePrint, the product must meet these requirements:

- The product must be connected to a wired or wireless network and have Internet access.
- HP Web Services must be enabled on the product, and the product must be registered with HP Connected.
 1. From the Home screen on the product control panel, touch the Web Services  button.
 2. Touch the [Enable Web Services](#) button. The product enables Web Services, and then prints an information page.

The information page contains the printer code that you use to register your HP product at HP Connected.
 3. Go to www.hpconnected.com to create an HP ePrint account and complete the setup process.


For more information, go to www.hp.com/support to review additional support information for your product.

HP ePrint software

The HP ePrint software makes it easy to print from a desktop or laptop computer to any HP ePrint-capable product. After installing the software, open the **Print** option from within your application, and then select **HP ePrint** from the installed printers list. This software makes it easy to find HP ePrint-enabled products that are registered to your HP Connected account. The target HP product can be at your desk or in a remote location, such as a branch office or across the globe.

For Windows, the HP ePrint software also supports traditional direct IP printing to local network printers on the network (LAN or WAN) to supported PostScript® products.

Go to www.hp.com/go/eprintsoftware for drivers and information.


 **NOTE:** The HP ePrint software is a PDF workflow utility for Mac, and is not technically a print driver. HP ePrint software for Mac supports print paths only through HP Connected and does not support direct IP printing to local network printers.

AirPrint

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

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

To use AirPrint, the product must be connected to the same wireless network as the Apple device. For more information about using AirPrint and about which HP products are compatible with AirPrint, go to www.hp.com/go/airprint.

 **NOTE:** AirPrint does not support USB connections.


Set up HP Wireless Direct Printing

The HP Wireless Direct Printing feature lets you print from your wireless mobile device directly to an HP Wireless Direct-enabled product without requiring connection to an established network or the Internet. Use HP Wireless Direct to print wirelessly from the following devices:

- iPhone, iPad, or iPod touch using Apple AirPrint or the HP ePrint mobile app
- Mobile devices that run Android or Symbian using the HP ePrint Home & Biz application
- Windows or Mac OS X laptop computers can connect via HP Wireless Direct and print by using HP print drivers or by using Apple AirPrint

For more information on HP Wireless Direct, go to www.hp.com/go/wirelessprinting, and then click **HP Wireless Direct**.

To set up HP Wireless Direct from the control panel, complete the following steps:

1. From the Home screen on the product control panel, touch the Wireless  button.
2. Open the following menus:
 - [Wireless Menu](#)
 - [Wireless Direct Settings](#)
 - [Wireless Direct On/Off](#)
3. Touch the [On](#) menu item.

Use walk-up USB printing

1. Insert the USB flash drive into the walk-up USB port on the product.
2. The [USB Flash Drive](#) menu opens. Touch the arrow buttons to scroll through the options.
 - [Print Documents](#)
 - [View and Print Photos](#)
 - [Scan to USB Drive](#)
3. To print a document, touch the [Print Documents](#) screen, and then touch the name of the folder on the USB drive where the document is stored. When the summary screen opens, you can touch it to adjust the settings. Touch the [Print](#) button to print the document.
4. To print photos, touch the [View and Print Photos](#) screen, and then touch the preview image to select each photo that you want to print. Touch the [Done](#) button. When the summary screen opens, you can touch it to adjust the settings. Touch the [Print](#) button to print the photos.
5. Retrieve the printed job from the output bin, and remove the USB flash drive.

4 Copy

- [Make a copy](#)
- [Copy on both sides \(duplex\)](#)
- [Optimize copy quality](#)

For more information:

Go to www.hp.com/support/ljMFPM435nw.

HP's all-inclusive help for the product includes the following information:

- Install and configure
- Learn and use
- Solve problems
- Download software updates
- Join support forums
- Find warranty and regulatory information

Make a copy

1. Load the document on the scanner glass according to the indicators on the product.



NOTE: For best results, load small-size paper (letter, A4, or smaller) with the long edge of the paper along the left side of the scanner glass.

2. From the Home screen on the product control panel, touch the [Copy](#) button.
3. Touch the arrows to change the number of copies, or touch the existing number and type the number of copies.
4. Touch the [Start Copy](#) button to start copying.

Copy on both sides (duplex)

1. Load the document on the scanner glass according to the indicators on the product.



NOTE: For best results, load small-size paper (letter, A4, or smaller) with the long edge of the paper along the left side of the scanner glass.

2. From the Home screen on the product control panel, touch the **Copy** button.
3. Touch the **Settings** button.
4. Scroll to and touch the **Two-Sided** button.
5. Touch the arrow buttons to scroll through the options, and then touch an option to select it.
6. Touch the **Start Copy** button to start copying.
7. The product prompts you to load the next original document. Place it on the glass, and then touch the **OK** button.
8. Repeat this process until you have scanned the last page. Touch the **Done** button to finish printing the copies.

Optimize copy quality

Use the product control panel to optimize copy quality for different types of documents. The following copy-quality settings are available:

- **Auto Select:** Use this setting when you are not concerned about the quality of the copy. This is the default setting.
 - **Mixed:** Use this setting for documents that contain a mixture of text and graphics.
 - **Text:** Use this setting for documents that contain mostly text.
 - **Picture:** Use this setting for documents that contain mostly graphics.
1. Load the document on the scanner glass according to the indicators on the product.
 2. From the Home screen on the product control panel, touch the **Copy** button.
 3. Touch the **Settings** button, and then scroll to and touch the **Optimize** button. Touch the arrow buttons to scroll through the options, and then touch an option to select it.
 4. Touch the **Start Copy** button to start copying.

5 Scan

- [Scan by using the HP Scan software \(Windows\)](#)
- [Scan by using the HP Scan software \(Mac OS X\)](#)
- [Scan to a destination](#)

For more information:

Go to www.hp.com/support/ljMFPM435nw.

HP's all-inclusive help for the product includes the following information:

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Scan by using the HP Scan software (Windows)

Use the HP Scan software to initiate scanning from software on your computer. You can save the scanned image as a file, send it through email, or send it to another software application.

1. Load the document on the scanner glass according to the indicators on the product.

 **NOTE:** For best results, load small-size paper (letter, A4, or smaller) with the long edge of the paper along the left side of the scanner glass.

2. Click **Start**, and then click **Programs** (or **All Programs** in Windows XP).
3. Click **HP**, and then click **HP Scan**.
4. Select a scanning shortcut, and adjust the settings if necessary.
5. Click **Scan**.

 **NOTE:** Click **Advanced Settings** to gain access to more options.

Click **Create New Shortcut** to create a customized set of settings and save it in the list of shortcuts.

Scan by using the HP Scan software (Mac OS X)

Use the HP Scan software to initiate scanning from software on your computer.

1. Load the document on the scanner glass according to the indicators on the product.



NOTE: For best results, load small-size paper (letter, A4, or smaller) with the long edge of the paper along the left side of the scanner glass.

2. Open the **HP Scan** software, which is located in the **HP** folder inside the **Applications** folder.
3. Follow the on-screen instructions to scan the document.
4. When you have scanned all the pages, click the **Done** button to save them to a file.

Scan to a destination

- [Scan to a USB flash drive](#)
- [Set up scan to network folder and scan to email features](#)
- [Scan to email](#)
- [Scan to a network folder](#)

Scan to a USB flash drive

1. Load the document on the scanner glass according to the indicators on the product.



NOTE: For best results, load small-size paper (letter, A4, or smaller) with the long edge of the paper along the left side of the scanner glass.

2. Insert a USB flash drive into the walk-up USB port.
3. From the Home screen on the product control panel, touch the **Scan** button.
4. Touch the **Scan to USB Drive** screen.
5. Touch the **Scan** button to scan and save the file. The product creates a folder named **HPSCANS** on the USB drive, and it saves the file in .PDF or .JPG format using an automatically generated file name.




NOTE: When the summary screen opens, you can touch it to adjust settings.

You also can change the folder name.

Set up scan to network folder and scan to email features

To use these scan features, the product must be connected to a network. These scan features are not available until you configure them. To configure these features, use the Scan to Network Folder Setup Wizard (Windows) and the Scan to Email Setup Wizard (Windows), which are installed in the HP program group for the product as part of the full software installation. You can also use the HP Embedded Web Server to configure these features. The following instructions describe configuring the scan features by using the HP Embedded Web Server.

1. From the Home screen on the product control panel, touch the Network  button to find the product IP address.
2. To open the HP Embedded Web Server, enter the product IP address into the address line of a Web browser.



NOTE: You can also access the HP Embedded Web Server from the HP Device Toolbox for Windows or the HP Utility for Mac OS X.

3. Click the **Scan** tab.
4. Click the **Network Folder Setup** link in the left pane of the screen.
5. To set up a new folder, click the **New** button.
6. Complete the fields on this screen.
7. Click the **Save and Test** button at the bottom of the screen to save the settings and test the setup.
8. Click the **Scan to E-mail Setup** link in the left pane of the screen.

9. Click the **Outgoing E-mail Profiles** link, and then click the **New** button.
10. Complete the fields on this screen. Ask your network administrator or your Internet service provider for the SMTP Server information. If the SMTP server requires authentication, you also need to know the SMTP User ID and password.
11. Click the **Save and Test** button at the bottom of the screen to save the settings and test the setup.
12. You can add contacts to the Email Address Book or configure other default email settings. These steps are optional. Click the **E-mail Address Book** link and the **E-mail Options** links in the left pane of the screen to set up these features.

Scan to email

Use the product control panel to scan a file directly to an email address. The scanned file is sent to the address as an email message attachment.



NOTE: In order to use this feature, the product must be connected to a network and the Scan to Email feature must be configured by using the Scan to Email Setup Wizard (Windows) or the HP Embedded Web Server.

1. Load the document on the scanner glass according to the indicators on the product.
2. From the Home screen on the product control panel, touch the **Scan** button.
3. Touch the **Scan to E-mail** item.
4. Touch the **Send an E-mail** item.
5. Select the **From** address that you want to use. This is also known as an “outgoing email profile.”



NOTE: If the PIN feature has been set up, enter the PIN and touch the **OK** button. However, a PIN is not required to use this feature.

6. Touch the **To** button and pick the address or group to which you want to send the file. Touch the **Done** button when finished.
7. Touch the **Subject** button if you would like to add a subject line
8. Touch the **Next** button.
9. The control panel screen displays the scan settings.
 - If you want to change any of the settings, touch the **Settings** button, and then change the settings.
 - If the settings are correct, go to the next step.
10. Touch the **Scan** button to start the scan job.

Scan to a network folder

Use the product control panel to scan a document and save it to a folder on the network.



NOTE: In order to use this feature, the product must be connected to a network and the Scan to Network Folder feature must be configured by using the Scan to Network Folder Setup Wizard (Windows) or the HP Embedded Web Server.

1. Load the document on the scanner glass according to the indicators on the product.
Load the document on the scanner glass according to the indicators on the product.
2. From the Home screen on the product control panel, touch the [Scan](#) button.
3. Touch the [Scan to Network Folder](#) item.
4. In the list of network folders, select the folder to which you want to save the document.
5. The control panel screen displays the scan settings.
 - If you want to change any of the settings, touch the [Settings](#) button, and then change the settings.
 - If the settings are correct, go to the next step.
6. Touch the [Scan](#) button to start the scan job.

6 Manage the product

- [Change the product connection type \(Windows\)](#)
- [Use HP Web Services applications](#)
- [HP Device Toolbox \(Windows\)](#)
- [HP Utility for Mac OS X](#)
- [Use HP Web Jetadmin software](#)
- [Product security features](#)
- [Economy settings](#)
- [A Cartridge is low or Cartridge is very low message displays on the product control panel](#)
- [Replace the toner cartridge](#)

For more information:

Go to www.hp.com/support/ljMFPM435nw.

HP's all-inclusive help for the product includes the following information:

- Install and configure
- Learn and use
- Solve problems
- Download software updates
- Join support forums
- Find warranty and regulatory information


Change the product connection type (Windows)

If you are already using the product and you wish to change the way it is connected, use the **Reconfigure your HP Device** shortcut on your computer desktop to change the connection. For example, you can reconfigure the product to use a different wireless address, to connect to a wired or wireless network, or change from a network connection to a USB connection. You can change the configuration without inserting the product CD. After you select the type of connection you wish to make, the program goes directly to the portion of the product setup procedure that needs to change.

Use HP Web Services applications

Several innovative applications are available for this product that you can download directly from the Internet. For more information and to download these applications go to the HP Connected Web site at www.hpconnected.com.

To use this feature, the product must be connected to a computer or network that has an Internet connection. HP Web Services must be enabled on the product. Follow this procedure to enable HP Web Services:

1. From the Home screen on the product control panel, touch the Web Services  button.
2. Touch the [Enable Web Services](#) button.

After you download an application from the HP Connected Web site, it is available in the [Apps](#) menu on the product control panel. This process enables both HP Web Services and the [Apps](#) menu.

HP Device Toolbox (Windows)

Use the HP Device Toolbox for Windows to check product status or to view or change product settings from your computer. This tool opens the HP Embedded Web Server for the product.



NOTE: This tool is available only if you performed a full installation when you installed the product. Depending on how the product is connected, some features might not be available.

1. Click the **Start** button, and then click the **Programs** item.
2. Click your HP product group, and then click the **HP Device Toolbox** item.

Tab or section	Description
Home tab Provides product, status, and configuration information.	<ul style="list-style-type: none">• Device Status: Shows the product 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 product configuration page.• Network Summary: Shows the information found on the product network configuration page.• Reports: Print the configuration and supplies status pages that the product generates.• Event Log: Shows a list of all product events and errors.
System tab Provides the ability to configure the product from your computer.	<ul style="list-style-type: none">• Device Information: Provides basic product and company information.• Paper Setup: Change the default paper-handling settings for the product.• Print Quality: Change the default print-quality settings for the product.• EcoSMART Console: Change the default times for entering Sleep mode or Auto Power Down mode. Configure which events cause the product to wake.• Paper Types: Configure print modes that correspond to the paper types that the product accepts.• System Setup: Change the system defaults for the product.• Service: Perform the cleaning procedure on the product.• Save and Restore: Save the current settings for the product to a file on the computer. Use this file to load the same settings onto another product or to restore these settings to this product at a later time.• Administration: Set or change the product password. Enable or disable product features. <p>NOTE: The System tab can be password-protected. If this product is on a network, always consult with the administrator before changing settings on this tab.</p>
Print tab Provides the ability to change default print settings from your computer.	<ul style="list-style-type: none">• Printing: Change the default product print settings, such as number of copies and paper orientation. These are the same options that are available on the control panel.• PCL5c: View and change the PCL5c settings.• PostScript: Turn off or on the Print PS Errors feature.


Tab or section	Description
Scan tab	<p data-bbox="628 226 1193 249">Configure the Scan to Network Folder and Scan to E-mail features.</p> <ul style="list-style-type: none"> <li data-bbox="628 275 1430 327">• Network Folder Setup: Configure folders on the network to which the product can save a scanned file. <li data-bbox="628 352 1331 375">• Scan to E-mail Setup: Begin the process to set up the Scan to E-mail feature. <li data-bbox="628 401 1458 453">• Outgoing E-mail Profiles: Set an email address that will appear as the “from” address for all emails sent from the product. Configure the SMTP Server information. <li data-bbox="628 478 1270 501">• E-mail Address Book: Add or delete entries in the email address book. <li data-bbox="628 527 1401 579">• E-mail Options: Configure a default subject line and body text. Configure default scan settings for emails.
<p data-bbox="277 604 411 627">Networking tab</p> <p data-bbox="277 657 608 705">Provides the ability to change network settings from your computer.</p>	<p data-bbox="628 604 1458 682">Network administrators can use this tab to control network-related settings for the product when it is connected to an IP-based network. It also allows the network administrator to set up Wireless Direct functionality. This tab does not appear if the product is directly connected to a computer.</p>
HP Web Services tab	Use this tab to set up and use various Web tools with the product.

HP Utility for Mac OS X

Use the HP Utility for Mac OS X to check product status or to view or change product settings from your computer.

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

Open HP Utility

1. At the computer, open the Apple  menu, click the **System Preferences** menu, and then click the **Print & Fax** icon or the **Print & Scan** icon.
2. Select the product in the left side of the window.
3. Click the **Options & Supplies** button.
4. Click the **Utility** tab.
5. Click the **Open Printer Utility** button.

HP Utility features

The HP Utility toolbar is at the top of every page. It includes these items:

- **Devices:** Click this button to show or hide Mac products found by the HP Utility in the **Printers** pane at the left side of the screen.
- **All Settings:** Click this button to return to the HP Utility main page.
- **HP Support:** Click this button to open a browser and go to the HP support Web site for the product.
- **Supplies:** Click this button to open the HP SureSupply Web site.
- **Registration:** Click this button to open the HP registration Web site.
- **Recycling:** Click this button to open the HP Planet Partners Recycling Program Web site.

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.

Menu	Item	Description
Information And Support	Supplies Status	Show the product supplies status and provides links for ordering supplies online.
	Device Information	Show information about the currently selected product, including the product Service ID (if assigned), the firmware version (FW Version), the Serial Number, and the IP address.
	File Upload	Transfer files from the computer to the product. You can upload the following types of files: <ul style="list-style-type: none">• HP LaserJet printer command language (.PRN)• Portable document format (.PDF)• Postscript (.PS)• Text (.TXT)

Menu	Item	Description
	HP Connected	Access the HP Connected Web site.
	Upload Fonts	Upload fonts from your computer to the product.
Printer Settings	Auto-off	Configure the product to automatically turn off after a period of inactivity. You can adjust the number of minutes after which the product turns off.
	Network Settings	Configure the network settings, such as the IPv4 settings, IPv6 settings, Bonjour settings, and other settings.
	Supplies Management	Configure how the product 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 product. NOTE: USB connections are not supported.
Information	Message Center	Display error events that have occurred with the product.
Scan Settings	Scan to E-mail	Open the HP Embedded Web Server (EWS) page for configuring settings for scanning to email. NOTE: USB connections are not supported.
	Scan to Network Folder	Open the HP Embedded Web Server (EWS) page for configuring settings for scanning to a network folder. NOTE: USB connections are not supported.

Use HP Web Jetadmin software

HP Web Jetadmin is an award-winning, industry-leading tool for efficiently managing a wide variety of networked HP products, including printers, multifunction products, and digital senders. This single solution allows you to remotely install, monitor, maintain, troubleshoot, and secure your printing and imaging environment — ultimately increasing business productivity by helping you save time, control costs, and protect your investment.

HP Web Jetadmin upgrades are periodically made available to provide support for specific product features. Go to www.hp.com/go/webjetadmin and click the **Self Help and Documentation** link to learn more about upgrades.


Product security features

The product supports security standards and recommended protocols that help you keep the product secure, protect critical information on your network, and simplify the way you monitor and maintain the product.

For in-depth information about HP's secure imaging and printing solutions, visit www.hp.com/go/secureprinting. The site provides links to white papers and FAQ documents about security features.


Set or change the product password

Use the HP Embedded Web Server to set a password or change an existing password for a product on a network.


1. From the Home screen on the product control panel, touch the Network  button to find the product IP address.
2. To open the HP Embedded Web Server, enter the product IP address into the address line of a Web browser.

 **NOTE:** You can also access the HP Embedded Web Server from the HP Device Toolbox for Windows or the HP Utility for Mac OS X.

3. Click the **Settings** tab, and click the **Security** link.

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

4. Enter the new password in the **New Password** box and in the **Verify Password** box.
5. At the bottom of the window, click the **Apply** button to save the password.

 **NOTE:** For products connected with a USB cable to a Windows computer, use the HP Device Toolbox to change the product password:

1. Click the **Start** button, and then click the **Programs** item.
 2. Click your HP product group, and then click the **HP Device Toolbox** item.
 3. Click the **System** tab.
 4. Click **Administration**, and locate the area to change the password.
-

Economy settings

- [Print with EconoMode](#)
- [Set the Sleep Delay](#)
- [Set the Auto Power Down delay](#)

Print with EconoMode

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


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



NOTE: If this option is not available in your print driver, you can set it using the HP Embedded Web Server.

1. From the software program, select the **Print** option.
2. Select the product, and then click the **Properties** or **Preferences** button.
3. Click the **Paper/Quality** tab.
4. Click the **EconoMode** check box.


Set the Sleep Delay

1. From the Home screen on the product control panel, touch the Setup  button.
2. Open the following menus:
 - [System Setup](#)
 - [Energy Settings](#)
 - [Sleep Delay](#)
3. Select the time for the sleep delay.



NOTE: The default value is **15 Minutes**.

Set the Auto Power Down delay

1. From the Home screen on the product control panel, touch the Setup  button.
2. Open the following menus:
 - [System Setup](#)
 - [Energy Settings](#)
 - [Auto Power Down](#)
 - [Power Down Delay](#)
3. Select the time for the power-down delay.



NOTE: The default value is *30 Minutes*.

4. The product automatically wakes from the auto power-down mode when it receives jobs or when you touch the screen on the product control panel. You can change which events cause the product to wake. Open the following menus:
 - [System Setup](#)
 - [Energy Settings](#)
 - [Auto Power Down](#)
 - [Wake Events](#)

To turn off a wake event, select the event, clear the check box next to it and then touch the **Done** button.

A Cartridge is low or Cartridge is very low message displays on the product control panel

Black cartridge is low: The product indicates when a toner cartridge level is low. Actual toner cartridge life remaining may vary. Consider having a replacement available to install when print quality is no longer acceptable. The toner 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.


Black cartridge is very low: The product indicates when the toner cartridge level is very low. Actual toner cartridge life remaining may vary. Consider having a replacement available to install when print quality is no longer acceptable. The toner 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 product reacts when supplies reach the Very Low state. You do not have to re-establish these settings when you install a new toner cartridge.

Enable or disable the Very Low settings

You can enable or disable the default settings at any time, and you do not have to re-enable them when you install a new toner cartridge.

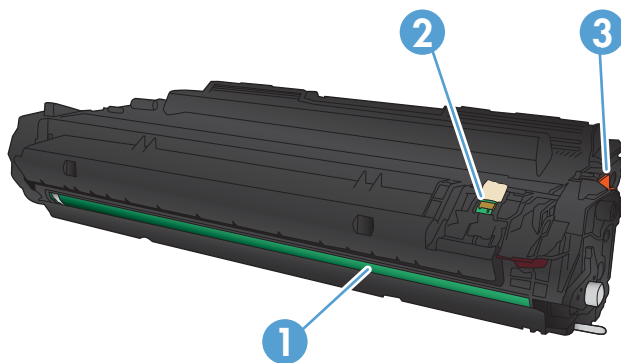
1. From the Home screen on the product control panel, touch the Setup  button.
2. Open the following menus:
 - System Setup
 - Supply Settings
 - Black Cartridge
 - Very Low Setting
3. Select one of the following options:
 - Select the **Continue** option to set the product to alert you that the toner cartridge is very low, but to continue printing.
 - Select the **Stop** option to set the product to stop printing until you replace the toner cartridge.
 - Select the **Prompt** option to set the product to stop printing and prompt you to replace the toner cartridge. You can acknowledge the prompt and continue printing. A customer configurable option on this product is "Prompt to Remind Me in 100 pages, 200 pages, 300 pages, 400 pages, or never." This option is provided as a customer convenience and is not an indication these pages will have acceptable print quality.

Once an HP toner cartridge has reached **Very Low**, HP’s Premium Protection Warranty on that toner cartridge has ended. All print defects or cartridge failures incurred when an HP toner cartridge is used in **Continue** at very low mode will not be considered to be defects in materials or workmanship in the toner cartridge under the HP Print Cartridge Warranty Statement.

Replace the toner cartridge

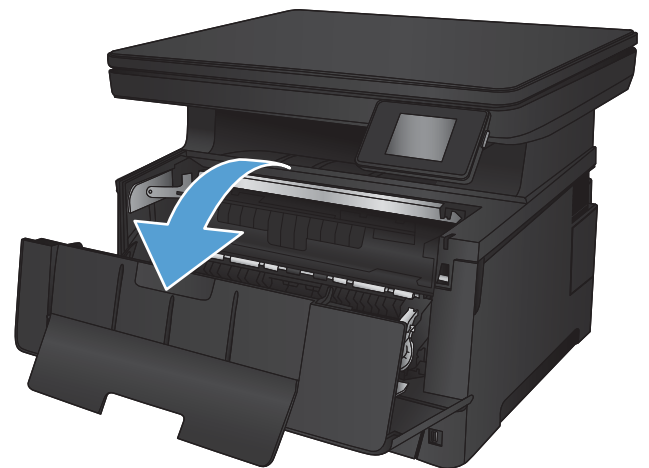
Continue printing with the current cartridge until redistributing the toner no longer yields acceptable print quality. To redistribute the toner, remove the toner cartridge from the printer and gently rock the cartridge back and forth about its horizontal axis. For graphical representation, see cartridge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

The following illustration shows the toner-cartridge components.

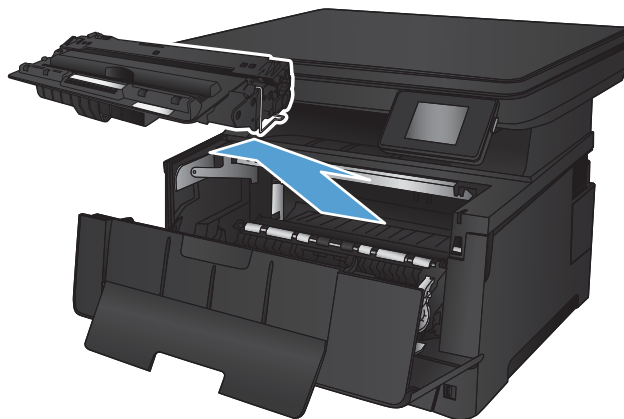


1	Imaging drum (Be careful not to touch the imaging drum.)
2	Memory chip
3	Sealing tape

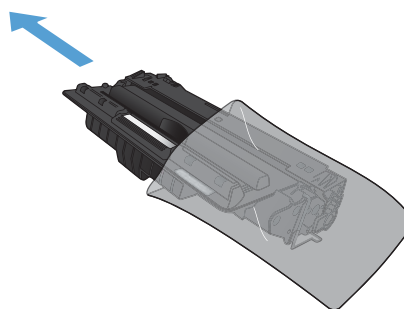
1. Open the front door.



2. Remove the used toner cartridge.

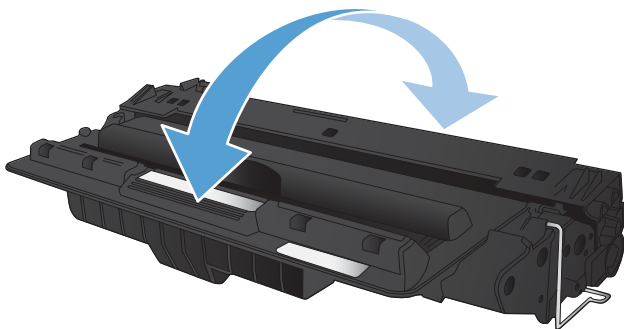


3. Remove the new toner cartridge from the bag. Place the used toner cartridge in the bag for recycling.

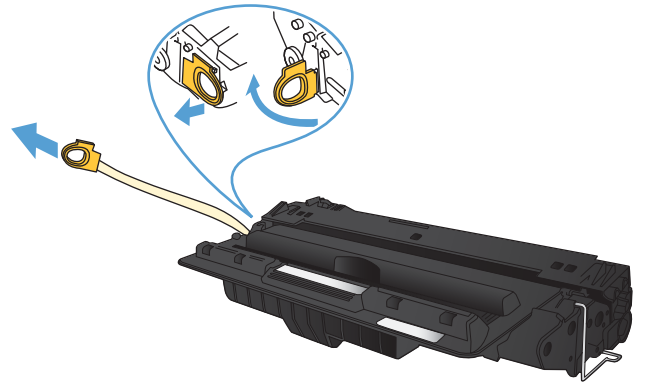


4. Grasp both sides of the toner cartridge and distribute the toner by gently rocking the cartridge.

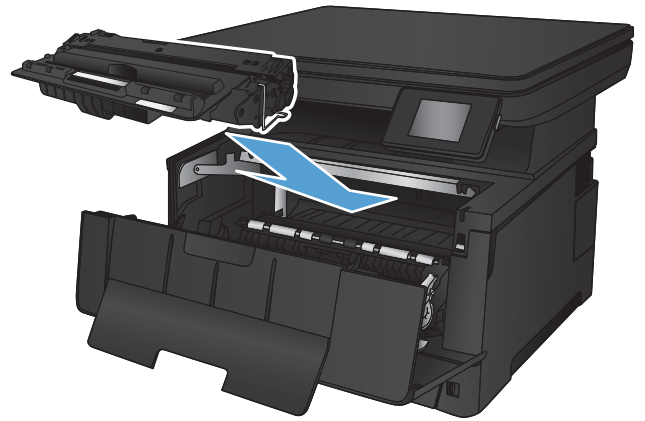
CAUTION: Do not touch the imaging drum.



5. Remove the sealing tape. Bend the tab on the left side of the cartridge until the tab breaks loose. Pull the tab until all the tape is removed from the cartridge. Place the tab and tape in the toner-cartridge box to return for recycling.



6. Align the toner cartridge with the tracks inside the product, insert the toner cartridge until it is firmly seated.



7. Close the front door.



7 Solve problems

- [Control panel help system](#)
- [Restore the factory-set defaults](#)
- [Solve paper feed or jam problems](#)
- [Clear jams in Tray 1](#)
- [Clear jams in Tray 2](#)
- [Clear jams in Tray 3 \(accessory\)](#)
- [Clear jams in the toner-cartridge area](#)
- [Clear jams in the rear door and fuser area](#)
- [Clear jams in the output bin](#)
- [Clear jams in the optional duplexer](#)
- [Improve print quality](#)
- [Improve copy and scan quality](#)
- [Solve wired network problems](#)

For more information:

Go to www.hp.com/support/ljMFPM435nw.

HP's all-inclusive help for the product includes the following information:

- Install and configure
- Learn and use
- Solve problems
- Download software updates
- Join support forums
- Find warranty and regulatory information

Control panel help system

The product has a built-in Help system that explains how to use each screen. To open the Help system, touch the Help ? button in the upper-right corner of the screen.

For some screens, the Help opens to a global menu where you can search for specific topics. You can browse through the menu structure by touching the buttons in the menu.


Some Help screens include animations that guide you through procedures, such as clearing jams.


For screens that contain settings for individual jobs, the Help opens to a topic that explains the options for that screen.

If the product alerts you of an error or warning, touch the Help ? button to open a message that describes the problem. The message also contains instructions to help solve the problem.

Restore the factory-set defaults

Restoring the factory-set defaults returns all of the product and network settings to the factory defaults. It will not reset the page count, tray size, or language. To restore the product to the factory-default settings, follow these steps.

 **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. On the product control panel, touch the Setup  button.
2. Scroll to and touch the [Service](#) menu.
3. Scroll to and touch the [Restore Defaults](#) button, and then touch the [OK](#) button.

The product automatically restarts.

Solve paper feed or jam problems

If the product has recurring problems with paper feeding or with jams, use the following information to reduce the number of occurrences.

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. Check the product control panel to see if the product is waiting for you to acknowledge a prompt to feed the paper manually. Load paper, and continue.
6. 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.


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 product, clear the jam and then print a configuration page to test the product.
2. Check that the tray is configured for the correct paper size and type on the product control panel. Adjust paper settings if necessary.
3. Turn the product off, wait 30 seconds, and then turn it on again.
4. Print a cleaning page to remove excess toner from inside the product.

- a. From the Home screen on the product control panel, touch the Setup  button.
- b. Touch the [Service](#) menu.
- c. Touch the [Cleaning Page](#) button.
- d. Load plain letter or A4 paper when you are prompted.
- e. Touch the [OK](#) button to begin the cleaning process.

The product prints the first side and then prompts you to remove the page from the output bin and reload it in Tray 1, keeping the same orientation. Wait until the process is complete. Discard the page that prints.

5. Print a configuration page to test the product.
 - a. From the Home screen on the product control panel, touch the Setup  button.
 - b. Touch the [Reports](#) menu.
 - c. Touch the [Configuration Report](#) button.

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

Prevent paper jams

To reduce the number of paper jams, try these solutions.

1. Use only paper that meets HP specifications for this product.
2. Use paper that is not wrinkled, folded, or damaged. If necessary, use paper from a different package.
3. Use paper that has not previously been printed or copied on.
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 so they are touching the paper stack without bending it.
6. Make sure that the tray is fully inserted in the product.
7. If you are printing on heavy, embossed, or perforated paper, use the manual feed feature and feed sheets one at a time.
8. Verify that the tray is configured correctly for the paper type and size.
9. Make sure the printing environment is within recommended specifications.

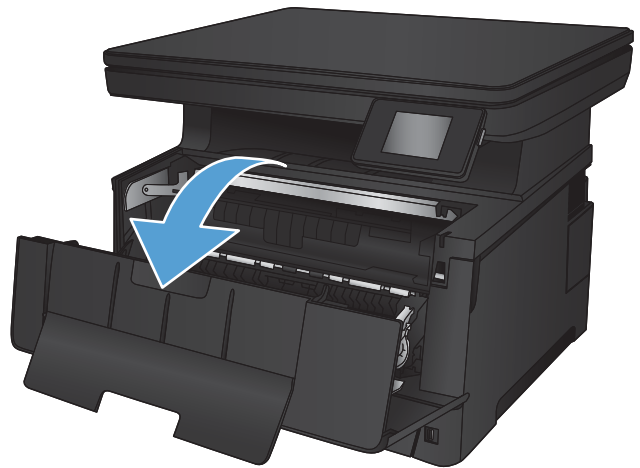
Clear jams in Tray 1

1. If most of the sheet of paper is visible in the tray, slowly pull the jammed paper out of the product using both hands.

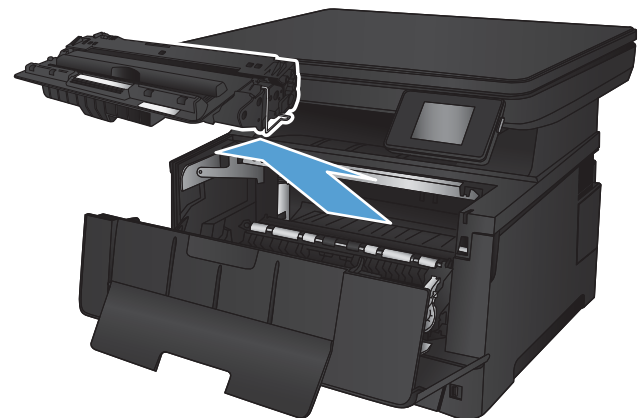
If most of the sheet of paper has been pulled inside the product or no paper is visible, continue with the following steps.



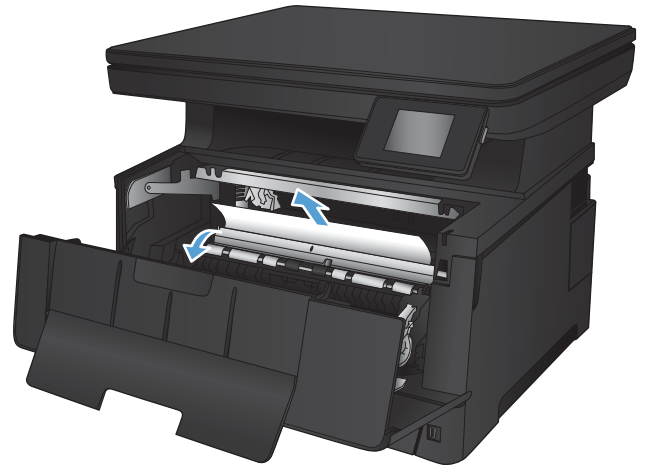
2. Open the front door.



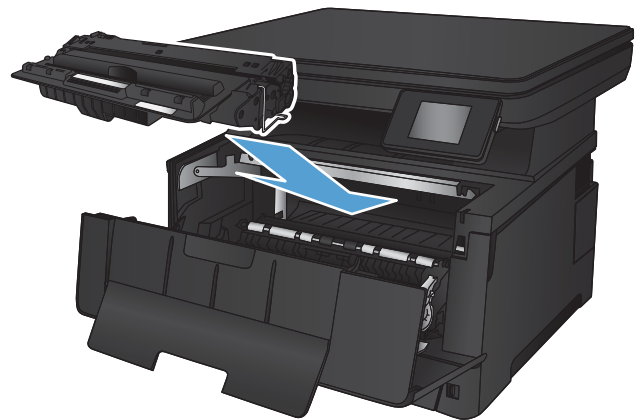
3. Remove the toner cartridge.



4. Lift the jam-plate and carefully remove any jammed paper. Use both hands to remove jammed paper to avoid tearing the paper.



5. Reinsert the toner cartridge.

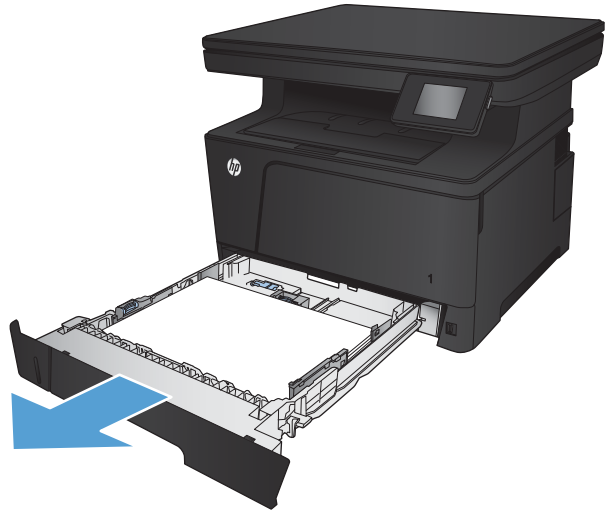


6. Close the front door.

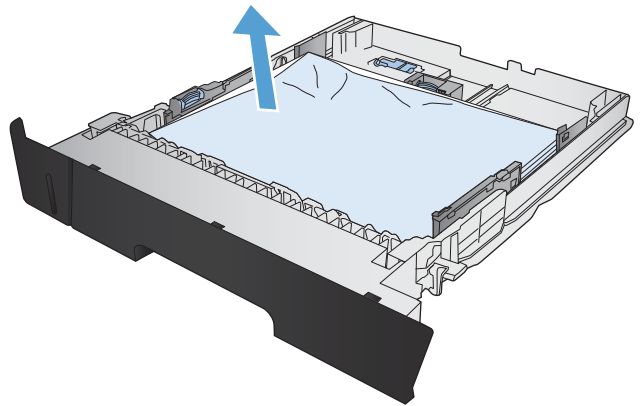


Clear jams in Tray 2

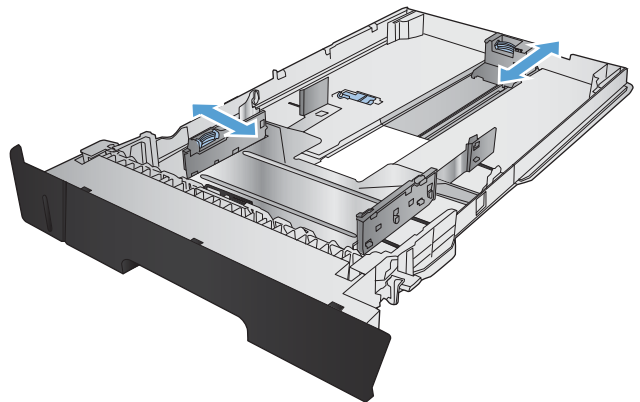
1. Remove the tray from the product.



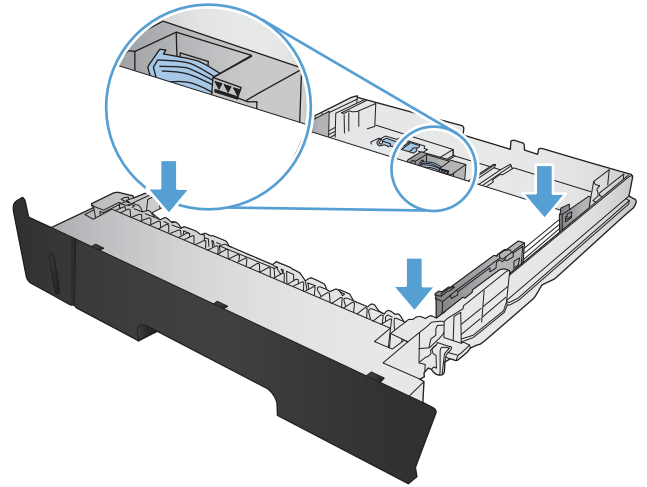
2. Remove the paper from the tray, and discard any damaged paper.



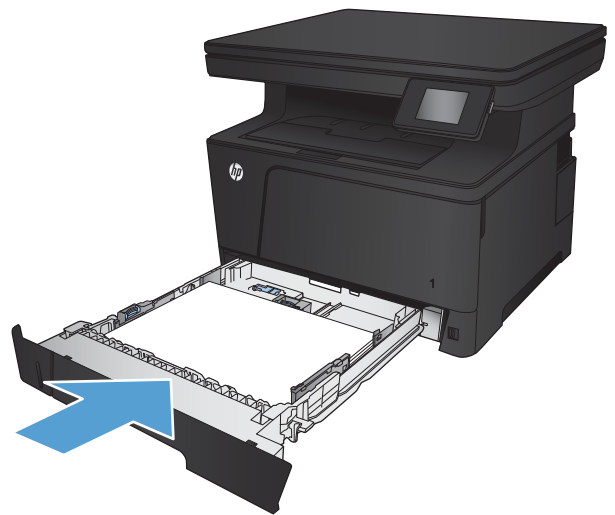
3. Make sure the paper guides are adjusted for the correct paper size. If necessary, unlock the tray using the slide lock at the rear of the tray, and then adjust to the correct paper size.



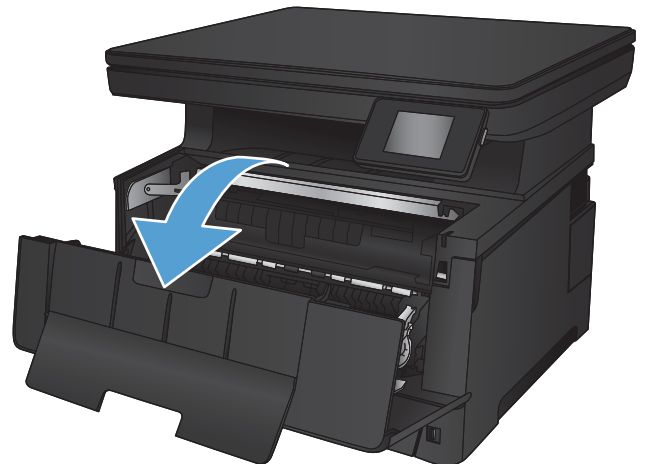
4. Load the paper into the tray. Make sure that the stack is flat at all four corners and that the top of the stack is below the maximum-height indicators.



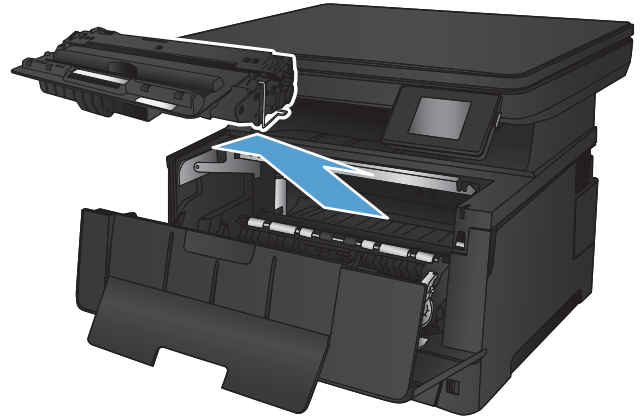
5. Reinsert and close the tray.



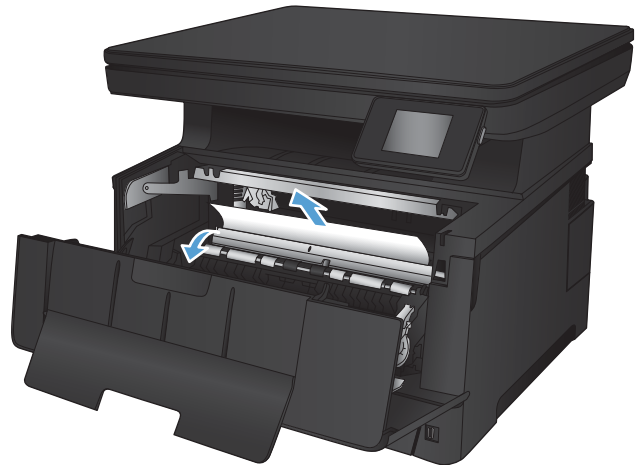
6. Open the front door.



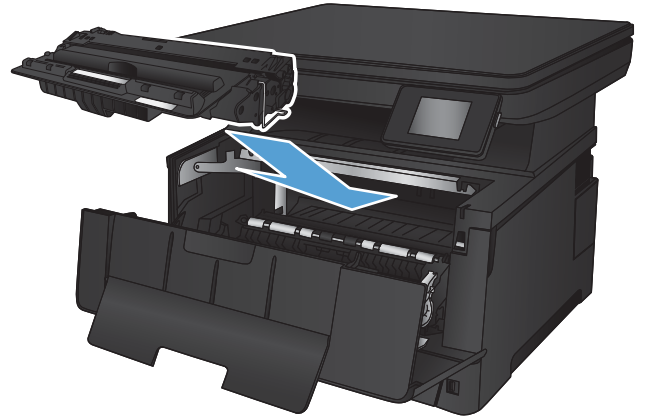
7. Remove the toner cartridge.



8. Lift the jam-plate and carefully remove any jammed paper. Use both hands to remove jammed paper to avoid tearing the paper.



9. Reinsert the toner cartridge.

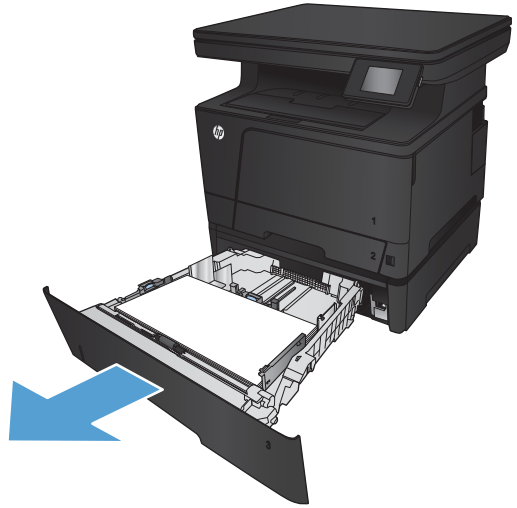


10. Close the front door.

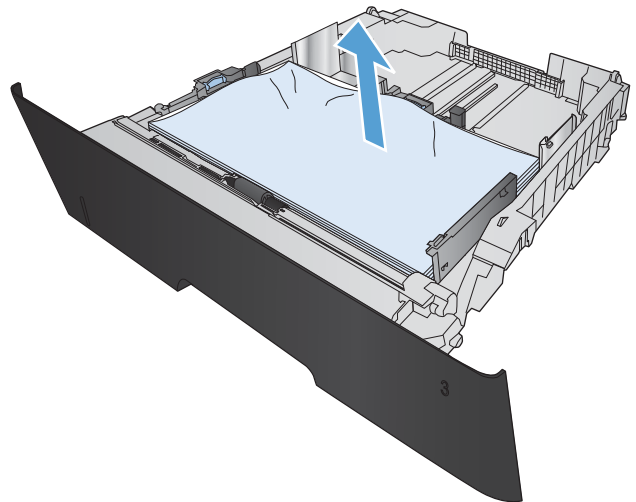


Clear jams in Tray 3 (accessory)

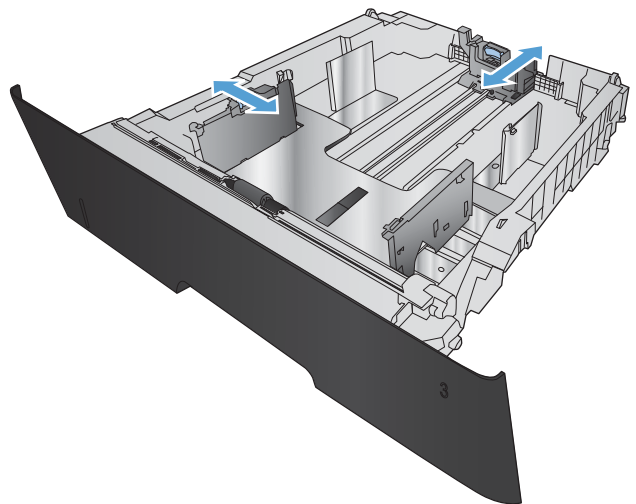
1. Remove the tray from the product.



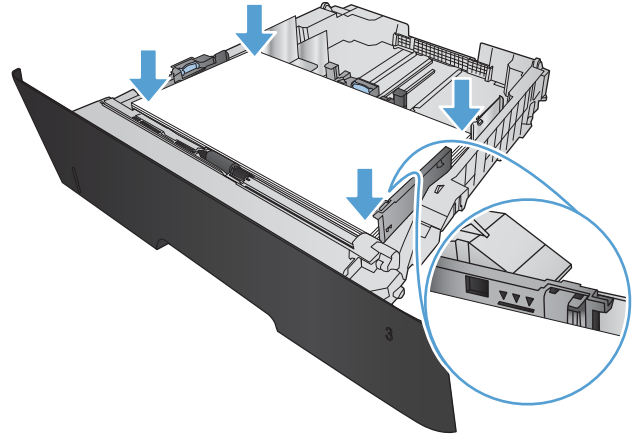
2. Remove the paper from the tray, and discard any damaged paper.



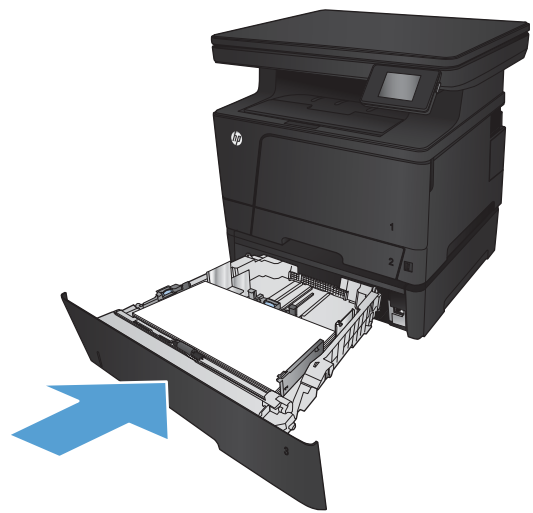
3. Make sure the paper guides are adjusted for the correct paper size.



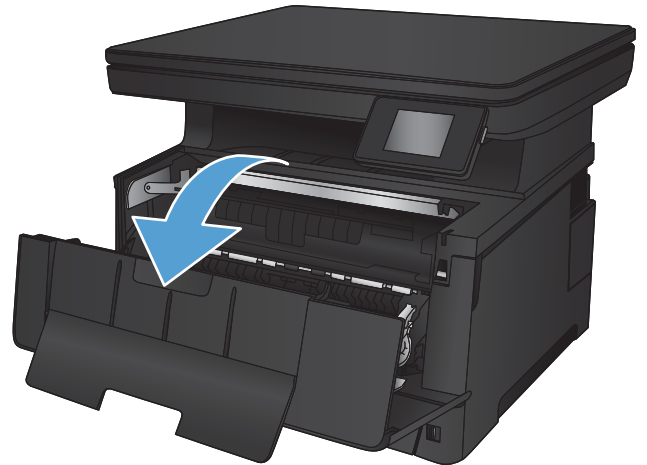
4. Load the paper into the tray. Make sure that the stack is flat at all four corners and that the top of the stack is below the maximum-height indicators.



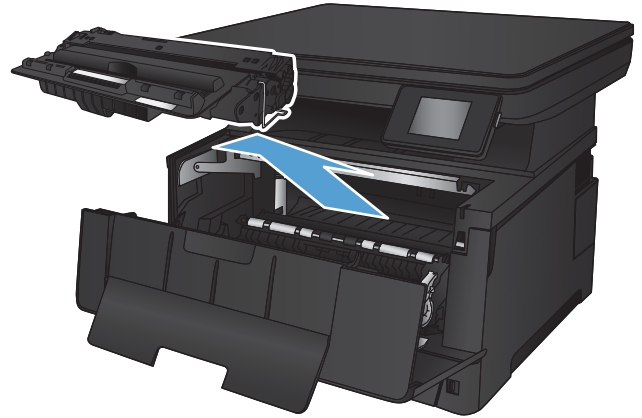
5. Reinsert and close the tray.



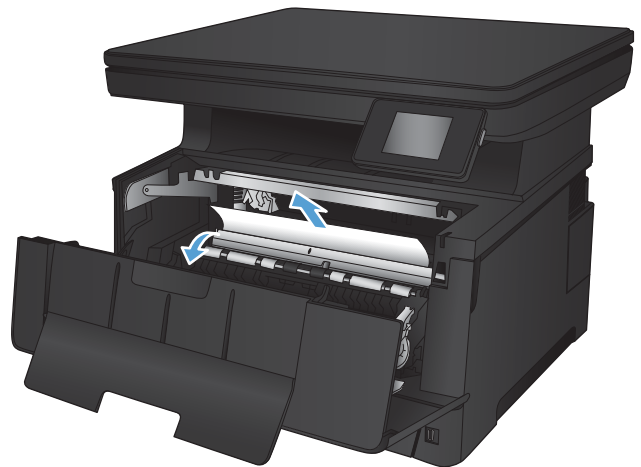
6. Open the front door.



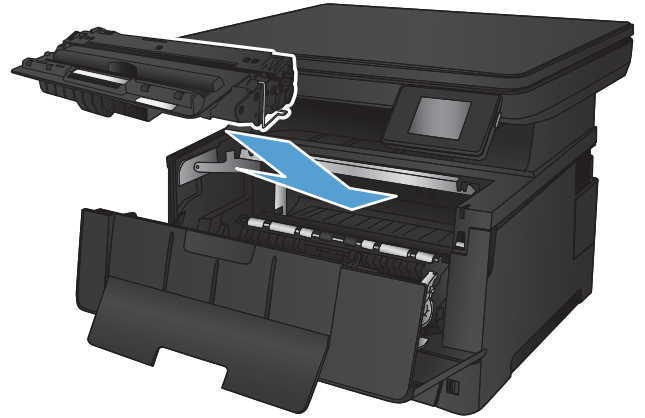
7. Remove the toner cartridge.



8. Lift the jam-plate and carefully remove any jammed paper. Use both hands to remove jammed paper to avoid tearing the paper.



9. Reinsert the toner cartridge.

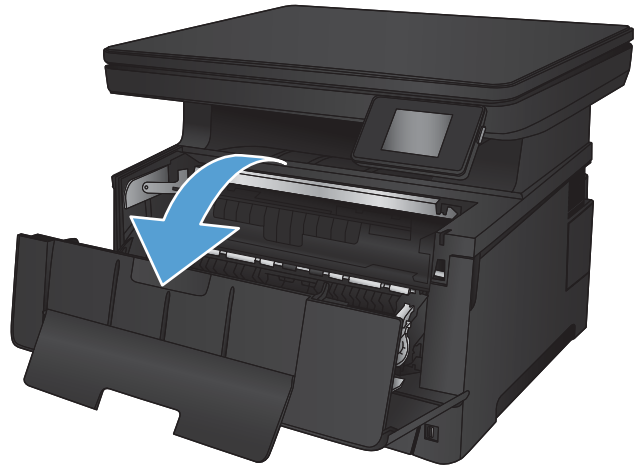


10. Close the front door.

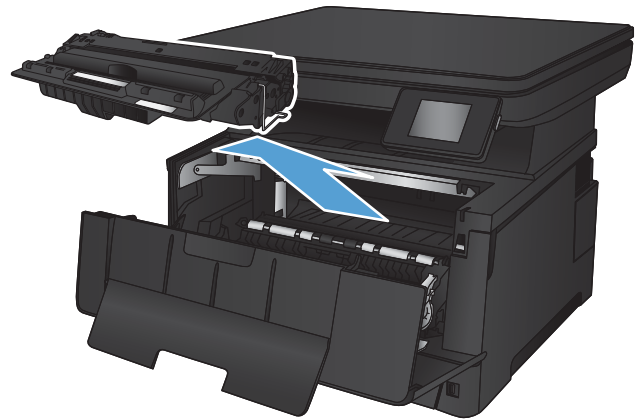


Clear jams in the toner-cartridge area

1. Open the front door.



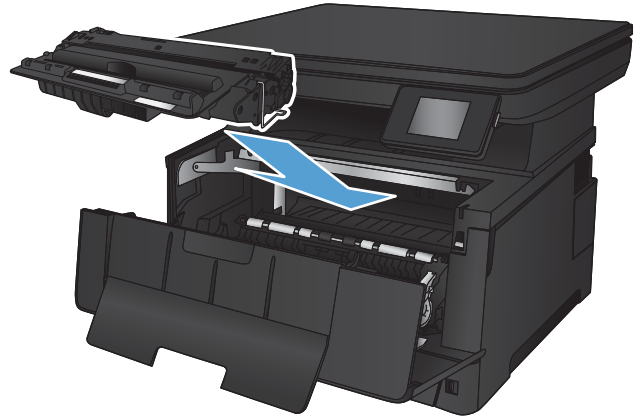
2. Remove the toner cartridge.



3. Lift the jam-plate and carefully remove any jammed paper. Use both hands to remove jammed paper to avoid tearing.



4. Reinsert the toner cartridge.

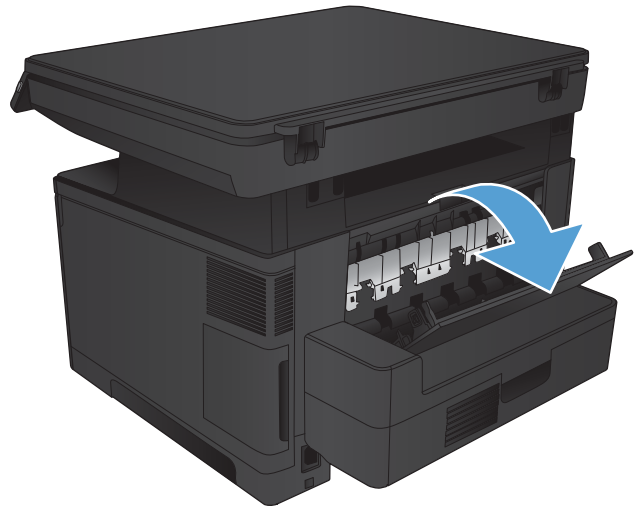


5. Close the front door.

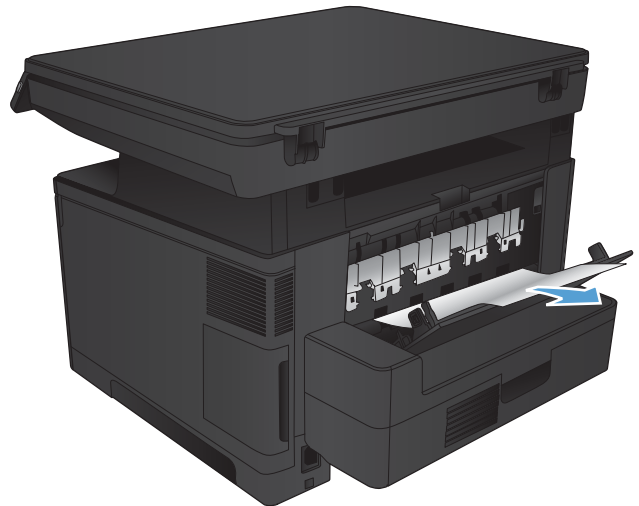


Clear jams in the rear door and fuser area

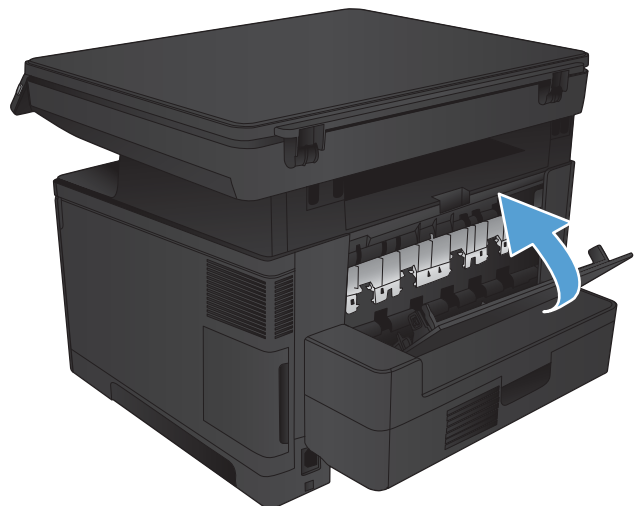
1. Open the rear door to check for jammed paper.



2. Remove any jammed paper. Use both hands to pull out the paper to avoid tearing.



3. Close the rear door.

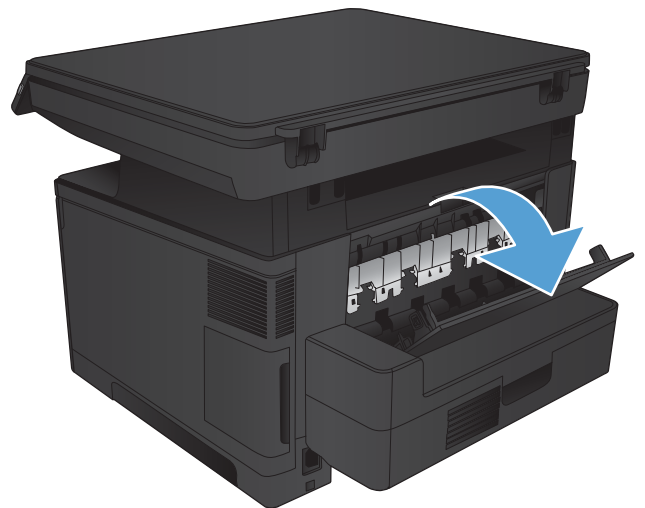


Clear jams in the output bin

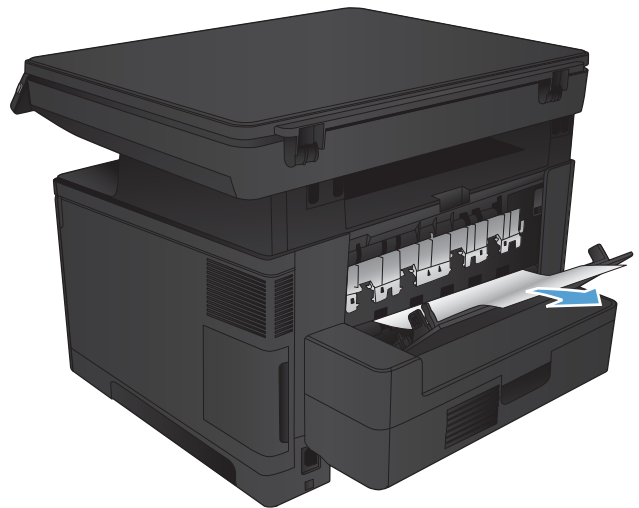
1. If paper is visible in the output bin, grasp the leading edge with both hands and slowly remove it.



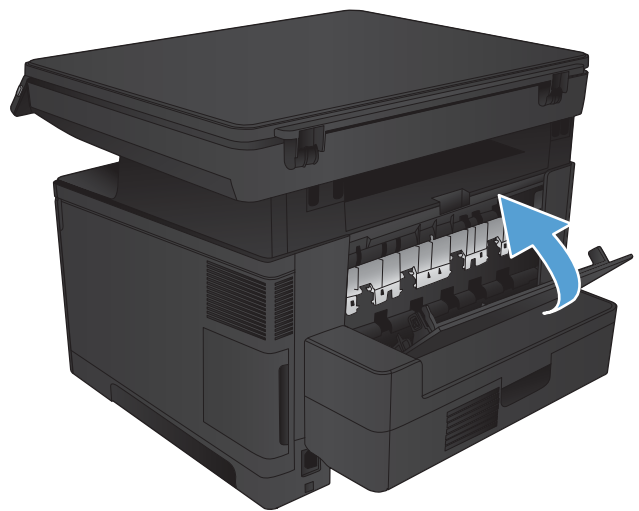
2. Open the rear door to check for jammed paper.



3. Remove any jammed paper. Use both hands to pull out the paper to avoid tearing.

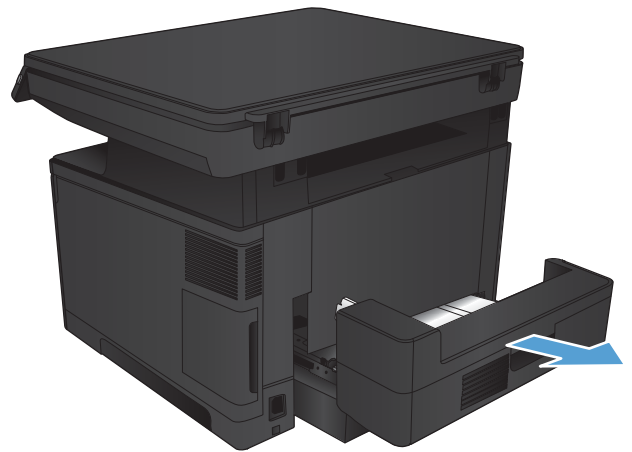


4. Close the rear door.

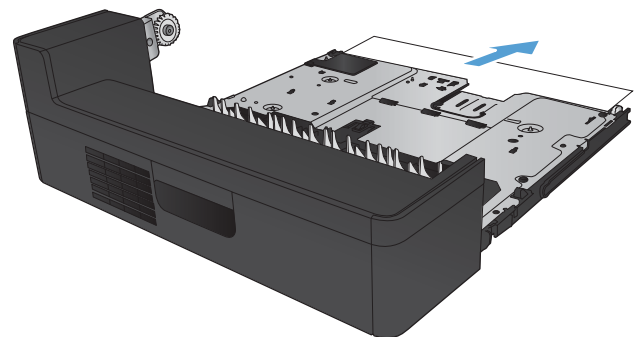


Clear jams in the optional duplexer

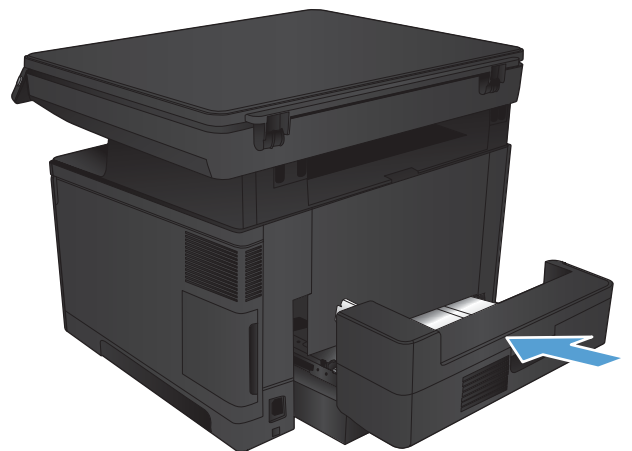
1. Remove the duplexer.



2. Remove any paper from the duplexer.



3. Reinstall the duplexer.



Improve print quality

- [Print from a different software program](#)
- [Check the paper-type setting for the print job](#)
- [Check the toner-cartridge status](#)
- [Print a cleaning page](#)
- [Inspect the toner cartridge for damage](#)
- [Check the paper and printing environment](#)
- [Check the EconoMode settings](#)
- [Try a different print driver](#)

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 if you are printing from a software program and the pages have any of these problems:

- smeared print
- fuzzy print
- dark print
- curled paper
- scattered dots of toner
- loose toner
- small areas of missing toner

Check the paper-type setting (Windows)

1. From the software program, select the **Print** option.
2. Select the product, and then click the **Properties** or **Preferences** button.
3. Click the **Paper/Quality** tab.
4. From the **Paper type** drop-down list, click the **More...** option.
5. Expand the list of **Type is:** options.
6. Expand the category of paper types that best describes your paper.

7. Select the option for the type of paper you are using, and click the **OK** button.
8. 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 (Mac OS X)


1. Click the **File** menu, and then click the **Print** option.
2. In the **Printer** menu, select the product.
3. Open the menus drop-down list or click **Show Details**, and then click the **Finishing** menu.
4. Select a type from the **Media-type** drop-down list.
5. Click the **Print** button.

Check the toner-cartridge status

Check the supplies status page for the following information:

- Estimated percentage of cartridge life remaining
- Approximate pages remaining
- Part numbers for HP toner cartridges
- Number of pages printed

Use the following procedure to print the supplies status page:

1. From the Home screen on the product control panel, touch the Supplies  button.
2. Touch the **Report** button to print the supplies status page.
3. Check the percent of life remaining for 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 supplies status page indicates when a supply level is very low. After an HP supply has reached the very low threshold, HP's premium protection warranty on that supply 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 supplies status page lists the genuine HP part numbers.

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

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


HP cannot recommend the use of non-HP supplies, either new or remanufactured. Because they are not HP products, HP cannot influence their design or control their quality. If you are using a refilled or remanufactured toner cartridge and are not satisfied with the print quality, replace the toner cartridge with a genuine HP toner cartridge.

Print a cleaning page

Print a cleaning page to remove dust and excess toner from the fuser if you are having any of the following problems:

- Specks of toner are on the printed pages.
- Toner is smearing on the printed pages.
- Repeated marks occur on the printed pages.


Use the following procedure to print a cleaning page.

1. From the Home screen on the product control panel, touch the Setup  button.
2. Touch the [Service](#) menu.
3. Touch the [Cleaning Page](#) button.
4. Load plain letter or A4 paper when you are prompted.
5. Touch the [OK](#) button to begin the cleaning process.

The product prints the first side and then prompts you to remove the page from the output bin and reload it in Tray 1, keeping the same orientation. Wait until the process is complete. Discard the page that prints.

Inspect the toner cartridge for damage

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

 **CAUTION:** Do not touch the roller (imaging drum) on the cartridge. 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. If the imaging drum does not appear to be damaged, rock the toner cartridge gently several times and reinstall it. Print a few pages to see if the problem has resolved.

Check the paper and printing environment

Use paper that meets HP specifications

Use different paper if you are having any of the following problems:

- The printing is too light or seems faded in areas.
- Specks of toner are on the printed pages.
- Toner is smearing on the printed pages.

- Printed characters seem misformed.
- Printed pages are curled.

Always use a paper type and weight that this product supports. In addition, follow these guidelines when selecting paper:

- 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 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.

Check the product environment

Verify that the product is operating within the environmental specifications listed in the product Warranty and Legal Guide.

Check the EconoMode settings

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 toner cartridge. If print quality begins to degrade and is no longer acceptable, consider replacing the toner cartridge.



NOTE: This feature is available with the PCL 6 print driver for Windows. If you are not using that driver, you can enable the feature by using the HP Embedded Web Server.

Follow these steps if the entire page is too dark or too light.

1. From the software program, select the **Print** option.
2. Select the product, and then click the **Properties** or **Preferences** button.
3. Click the **Paper/Quality** tab, and locate the **Print Quality** area.
4. If the entire page is too dark, use these settings:
 - Select the **600 dpi** option.
 - Select the **EconoMode** check box to enable it.

If the entire page is too light, use these settings:

- Select the **FastRes 1200** option.
 - Clear the **EconoMode** check box to disable it.
5. Click the **OK** button to close the **Document Properties** dialog box. In the **Print** dialog, click the **OK** button to print the job.

Try a different print driver

You might need to use a different print driver if the printed page has unexpected lines in graphics, missing text, missing graphics, incorrect formatting, or substituted fonts.

Download additional print drivers from the support Web site for this product.

HP PCL 6 driver	<ul style="list-style-type: none">• Provided as the default driver. This driver is automatically installed unless you select a different one.• Recommended for all Windows environments• Provides the overall best speed, print quality, and product-feature support for most users• Developed to align with the Windows Graphic Device Interface (GDI) for the best speed in Windows environments• Might not be fully compatible with third-party and custom software programs that are based on PCL 5
HP UPD PS driver	<ul style="list-style-type: none">• Recommended for printing with Adobe® software programs or with other highly graphics-intensive software programs• Provides support for printing from postscript emulation needs, or for postscript flash font support
HP UPD PCL 5	<ul style="list-style-type: none">• Recommended for general office printing in Windows environments• Compatible with previous PCL versions and older HP LaserJet products• The best choice for printing from third-party or custom software programs• The best choice when operating with mixed environments, which require the product to be set to PCL 5 (UNIX, Linux, mainframe)• Designed for use in corporate Windows environments to provide a single driver for use with multiple product models• Preferred when printing to multiple product models from a mobile Windows computer
HP UPD PCL 6	<ul style="list-style-type: none">• Recommended for printing in all Windows environments• Provides the overall best speed, print quality, and product feature support for most users• Developed to align with Windows Graphic Device Interface (GDI) for best speed in Windows environments• Might not be fully compatible with third-party and custom solutions based on PCL5

Improve copy and scan quality

Check the scanner glass for dirt and smudges

Over time, specks of debris might collect on the scanner glass and white plastic backing, which can affect performance. Use the following procedure to clean the scanner.

1. Press the power button to turn the product off, and then disconnect the power cable from the electrical outlet.
2. Open the scanner lid.
3. Clean the scanner glass and the white plastic backing underneath the scanner lid with a soft cloth or sponge that has been moistened with nonabrasive glass cleaner.

⚠ CAUTION: Do not use abrasives, acetone, benzene, ammonia, ethyl alcohol, or carbon tetrachloride on any part of the product; these can damage the product. Do not place liquids directly on the glass or platen. They might seep and damage the product.

4. Dry the glass and white plastic parts with a chamois or a cellulose sponge to prevent spotting.
5. Connect the power cable to an outlet, and then press the power button to turn the product on.

Check the paper settings

1. From the Home screen on the product control panel, touch the **Copy** button.
2. Touch the **Settings** button, and then scroll to and touch the **Paper** button.
3. From the list of paper sizes, touch the name of the paper size that is in the tray.
4. From the list of paper types, touch the name of the paper type that is in the tray.
5. Touch the **Start Copy** button to start copying.

Optimize for text or pictures

The following copy-quality settings are available:

- **Auto Select:** Use this setting when you are not concerned about the quality of the copy. This is the default setting.
 - **Mixed:** Use this setting for documents that contain a mixture of text and graphics.
 - **Text:** Use this setting for documents that contain mostly text.
 - **Picture:** Use this setting for documents that contain mostly graphics.
1. Load the document on the scanner glass according to the indicators on the product.
 2. From the Home screen on the product control panel, touch the **Copy** button.
 3. Touch the **Settings** button, and then scroll to and touch the **Optimize** button. Touch the arrow buttons to scroll through the options, and then touch an option to select it.
 4. Touch the **Start Copy** button to start copying.

Edge-to-edge copying

The product cannot print fully edge-to-edge. There is a 4 mm (1/6 inch) unprintable border around the page.

Considerations for printing or scanning documents with cropped edges:

- When the original is smaller than the output size, move the original 4 mm (1/6 inch) away from the corner indicated by the icon on the scanner. Recopy or scan in this position.
- When the original is the size of the printed output that you want, use the [Reduce/Enlarge](#) feature to reduce the image so the copy is not cropped.

Solve wired network problems

Check the following items to verify that the product is communicating with the network. Before beginning, print a configuration page from the product control panel and locate the product IP address that is listed on this page.

- [Poor physical connection](#)
- [The computer is using the incorrect IP address for the product](#)
- [The computer is unable to communicate with the product](#)
- [The product is using incorrect link and duplex settings for the network](#)
- [New software programs might be causing compatibility problems](#)
- [The computer or workstation might be set up incorrectly](#)
- [The product is disabled, or other network settings are incorrect](#)



NOTE: HP does not support peer-to-peer networking, as the feature is a function of Microsoft operating systems and not of the HP print drivers. For more information, go to Microsoft at www.microsoft.com.

Poor physical connection

1. Verify that the product is attached to the correct network port using a cable of the correct length.
2. Verify that cable connections are secure.
3. Look at the network port connection on the back of the product, and verify that the amber activity light and the green link-status light are lit.
4. If the problem continues, try a different cable or port on the hub.

The computer is using the incorrect IP address for the product

1. Open the printer properties and click the **Ports** tab. Verify that the current IP address for the product is selected. The product IP address is listed on the product configuration page.
2. If you installed the product using the HP standard TCP/IP port, select the box labeled **Always print to this printer, even if its IP address changes**.
3. If you installed the product using a Microsoft standard TCP/IP port, use the hostname instead of the IP address.
4. If the IP address is correct, delete the product and then add it again.

The computer is unable to communicate with the product

1. 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**.
 - b. Type `ping` followed by the IP address for your product.

For Mac OS X, open the Network Utility, and then supply the IP address in the correct field in the **Ping** pane.
 - c. If the window displays round-trip times, the network is working.
2. If the ping command failed, verify that the network hubs are on, and then verify that the network settings, the product, and the computer are all configured for the same network.

The product is using incorrect link and duplex settings for the network

HP recommends leaving these settings in automatic mode (the default setting). If you change these settings, you must also change them for your network.

New software programs might be causing compatibility problems

Verify that any new software programs are correctly installed and that they use the correct print driver.

The computer or workstation might be set up incorrectly

1. Check the network drivers, print drivers, and the network redirection settings.
2. Verify that the operating system is configured correctly.

The product is disabled, or other network settings are incorrect

1. Review the configuration page to check the status of the network protocol. Enable it if necessary.
2. Reconfigure the network settings if necessary.

8 Parts, supplies, and accessories

- [Order parts, accessories, and supplies](#)
- [Customer self-repair parts](#)
- [Accessories](#)

For more information:

Go to www.hp.com/support/ljMFPM435nw.

HP's all-inclusive help for the product includes the following information:

- Install and configure
- Learn and use
- Solve problems
- Download software updates
- Join support forums
- Find warranty and regulatory information

Order parts, accessories, and supplies

HP original toner cartridges 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.

Customer self-repair parts

The following customer self-repair parts are available for the product.

- Parts listed as **Mandatory** self-replacement are to be installed by customers, unless you are willing to pay HP service personnel to perform the repair. For these parts, on-site or return-to-depot support is not provided under the HP product warranty.
- Parts listed as **Optional** self-replacement can be installed by HP service personnel at your request for no additional charge during the product warranty period.

Item	Description	Self-replacement options	Part number
HP 93A Black LaserJet Toner Cartridge	Replacement toner cartridge	Mandatory	CZ192-67901
Tray 1 Roller Kit	Replacement rollers for Tray 1	Optional	A3E42-65018
Tray 2 Roller Kit	Replacement rollers for Tray 2	Optional	A3E42-65019
Tray 3 Roller Kit	Replacement rollers for optional Tray 3	Optional	A3E42-65011
Tray 2 Assembly Kit	Replacement Tray 2	Mandatory	RM2-0629-000
Optional accessory Duplex unit	Replacement optional duplex printing accessory	Mandatory	A3E46-67901
Optional accessory 500 Sheet Feeder Tray 3	Replacement optional 500-sheet feeder (Tray 3)	Mandatory	A3E47-67901

Accessories

Item	Description	Part number
HP LaserJet 1 x 500 Paper Feeder	500-sheet paper feeder (optional Tray 3)	A3E47A
HP LaserJet Duplex Printing Accessory	Optional automatic duplexer	A3E46A
USB cable	2-meter standard USB-compatible device connector	C6518A

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