HP LaserJet Enterprise 600 M601, M602, and M603 Series Printer

User Guide

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Conventions used in this guide

TIP: Tips provide helpful hints or shortcuts.

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

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

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

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1 Product basics

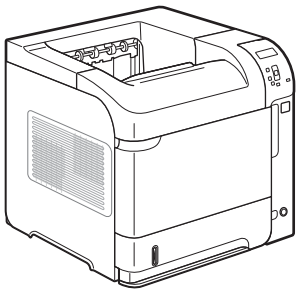
- Product comparison
- Environmental features
- Accessibility features
- Product views

Product comparison

HP LaserJet Enterprise 600 M601 models

M601n printer

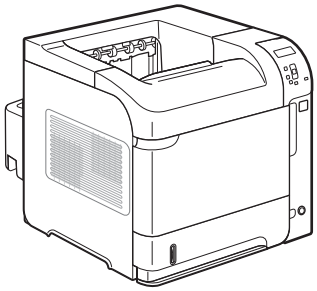
CE989A



- Prints up to 45 pages per minute (ppm) on Letter size paper and 43 ppm on A4 size paper
- Embedded HP Jetdirect networking
- Contains 512 megabytes (MB) of random access memory (RAM). Expandable to 1 gigabyte (GB).
- Tray 1 holds up to 100 sheets
- Tray 2 holds up to 500 sheets
- 500-sheet face-down output bin
- 100-sheet face-up output bin
- 4-line color graphical control-panel display
- Hi-speed USB 2.0 port
- Host USB printing port
- Walk-up USB printing port
- One open dual inline memory module (DIMM) slot

M601dn printer

CE990A



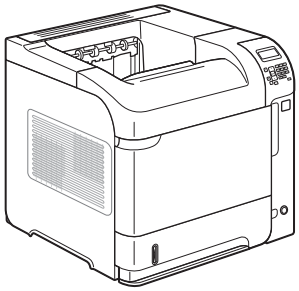
Has the same features as the HP LaserJet Enterprise 600 M601n printer, plus the following:

- Duplex-printing accessory for automatic printing on both sides

HP LaserJet Enterprise 600 M602 models

M602n printer

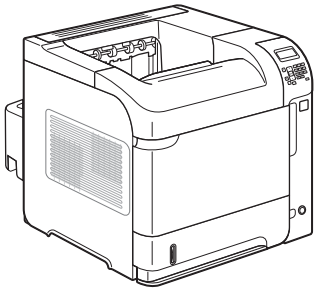
CE991A



- Prints up to 52 pages per minute (ppm) on Letter size paper and 50 ppm on A4 size paper
- Embedded HP Jetdirect networking
- Contains 512 megabytes (MB) of random access memory (RAM). Expandable to 1 gigabyte (GB).
- Tray 1 holds up to 100 sheets
- Tray 2 holds up to 500 sheets
- 500-sheet face-down output bin
- 100-sheet face-up output bin
- 4-line color graphical control-panel display
- Numeric keypad
- Hi-speed USB 2.0 port
- Host USB printing port
- Walk-up USB printing port
- One open dual inline memory module (DIMM) slot
- Hardware interface pocket

M602dn printer

CE992A

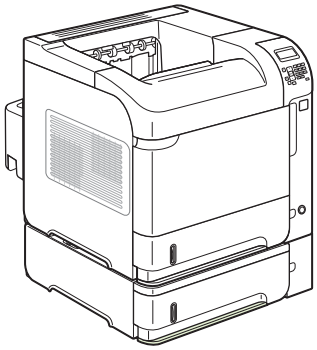


Has the same features as the HP LaserJet Enterprise 600 M602n printer, plus the following:

- Duplex-printing accessory for automatic printing on both sides

M602x printer

CE993A



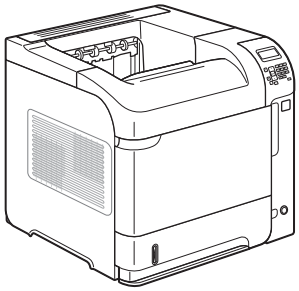
Has the same features as the HP LaserJet Enterprise 600 M602n printer, plus the following:

- Duplex-printing accessory for automatic printing on both sides
- One additional 500-sheet input tray (Tray 3)

HP LaserJet Enterprise 600 M603 models

M603n printer

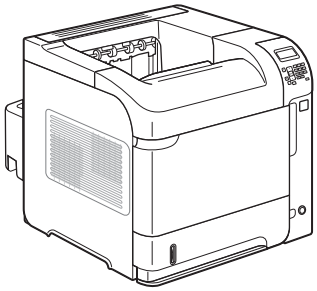
CE994A



- Prints up to 62 pages per minute (ppm) on Letter size paper and 60 ppm on A4 size paper
- Embedded HP Jetdirect networking
- Contains 512 megabytes (MB) of random access memory (RAM). Expandable to 1 gigabyte (GB).
- Tray 1 holds up to 100 sheets
- Tray 2 holds up to 500 sheets
- 500-sheet face-down output bin
- 100-sheet face-up output bin
- 4-line color graphical control-panel display
- Numeric keypad
- Hi-speed USB 2.0 port
- Host USB printing port
- Walk-up USB printing port
- One open dual inline memory module (DIMM) slot
- Hardware interface pocket

M603dn printer

CE995A

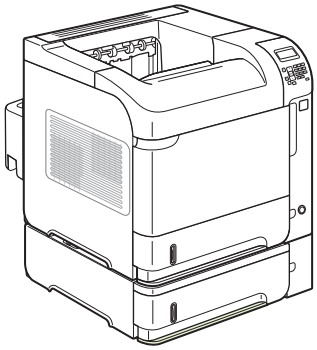


Has the same features as the HP LaserJet Enterprise 600 M603n printer, plus the following:

- Duplex-printing accessory for automatic printing on both sides

M603xh printer

CE996A



Has the same features as the HP LaserJet Enterprise 600 M603n printer, plus the following:

- Duplex-printing accessory for automatic printing on both sides
- One additional 500-sheet input tray (Tray 3)
- 250 GB HP Encrypted High Performance Hard Disk (replaces the 512 MB of RAM memory that is in the n and dn models)

Environmental features

Duplex	Save paper by using duplex printing as your default print setting.
Print multiple pages per sheet	Save paper by printing two or more pages of a document side-by-side on one sheet of paper. Access this feature through the printer driver.
Recycling	Reduce waste by using recycled paper. Recycle print cartridges by using the HP return process.
Energy savings	Save energy by initiating sleep mode for the product.
HP Smart Web printing	Use HP Smart Web printing to select, store, and organize text and graphics from multiple Web pages and then edit and print exactly what you see onscreen. It gives you the control you need for printing meaningful information while minimizing waste. Download HP Smart Web printing from this Web site: www.hp.com/go/smartweb.
Job storage	Use the job storage features to manage print jobs. By using job storage, you activate printing while you are at the shared product, eliminating lost print jobs that are then reprinted.

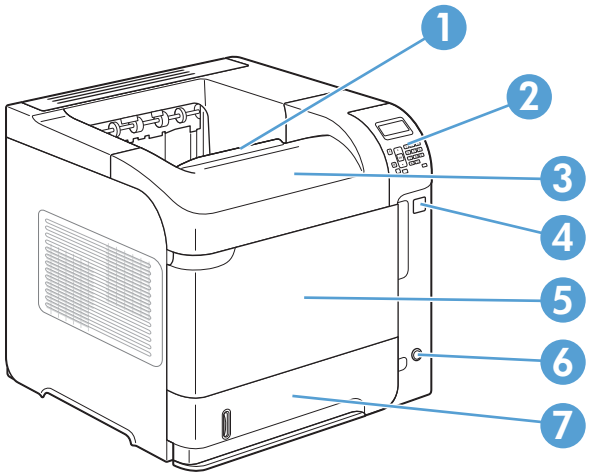
Accessibility features

The product includes several features that aid you with accessibility issues.

- Online user guide that is compatible with text screen-readers.
- Print cartridges can be installed and removed by using one hand.
- All doors and covers can be opened by using one hand.
- Paper can be loaded in Tray 1 by using one hand.

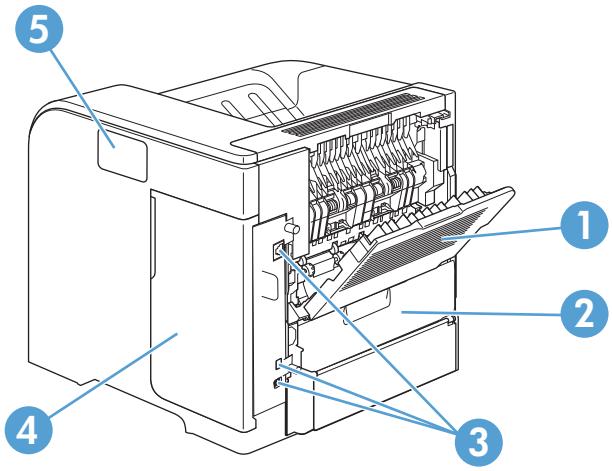
Product views

Front view



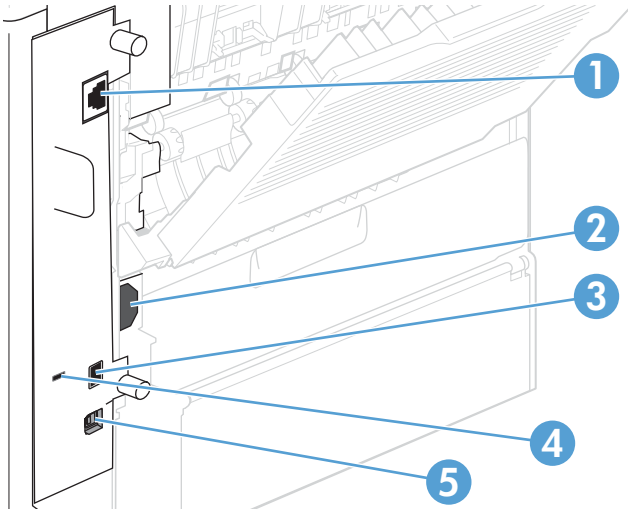
1	Top output bin
2	Control panel (the M602 and M603 models include a numeric keypad)
3	Top cover (provides access to the print cartridge)
4	Walkup USB printing port
5	Tray 1 (pull to open)
6	On/off button
7	Tray 2

Rear view



1	Rear output bin (pull to open)
2	Duplex accessory cover (remove this to install the duplex printing accessory)
3	Interface ports
4	Right cover (provides access to the DIMM slot)
5	Hardware integration pocket (M602 and M603 models only)

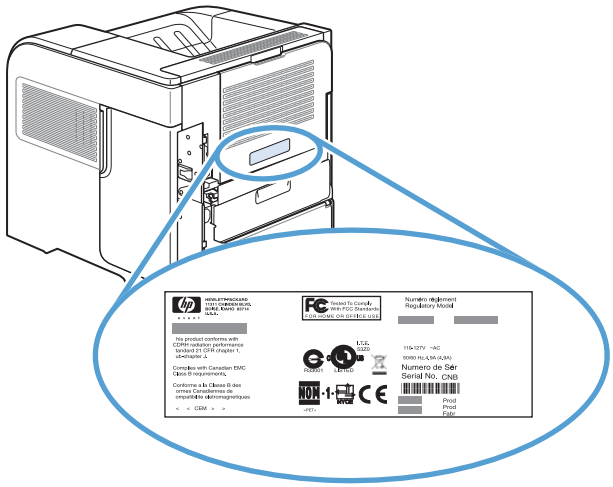
Interface ports



1	RJ-45 Network connection
2	Power connection
3	Host USB connection, for adding fonts and other third-party solutions (this connection might have a removable cover)
4	Slot for a cable-type security lock
5	Hi-speed USB 2.0 connection, for connecting directly to a computer

Serial number and model number location

The label that contains the model and serial numbers is on the back of the product.

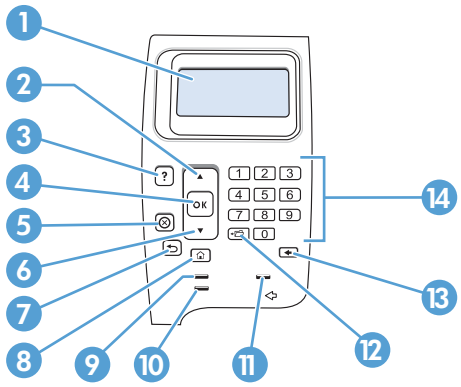


2 Control panel menus

- Control-panel layout
- Retrieve Job from USB menu
- Retrieve Job from Device Memory menu
- Supplies menu
- Trays menu
- Administration menu
- Device Maintenance menu

Control-panel layout

Use the control panel to obtain product and job status information and to configure the product.



Number	Button or light	Function
1	Control-panel display	Shows status information, menus, help information, and error messages
2	▲ Up arrow	Navigates to the previous item in the list, or increases the value of numeric items
3	? Help button	Provides information about the message on the control-panel display
4	OK button	• Saves the selected value for an item • Performs the action that is associated with the item that is highlighted on the control-panel display • Clears an error condition when the condition is clearable
5	⊗ Stop button	Cancels the current print job and clears the pages from the product
6	▼ Down arrow	Navigates to the next item in the list, or decreases the value of numeric items
7	⮌ Back arrow	Backs up one level in the menu tree or backs up one numeric entry
8	Home button	Opens and closes the menus.
9	◯ Ready light	• **On**: The product is online and ready to accept data to print. • **Off**: The product cannot accept data because it is offline (paused) or has experienced an error. • **Blinking**: The product is going offline. The product stops processing the current job and expels all of the active pages from the paper path.
10	⧗ Data light	• **On**: The product has data to print, but is waiting to receive all of the data. • **Off**: The product has no data to print. • **Blinking**: The product is processing or printing the data.
11	⚠ Attention light	• **On**: The product has experienced a problem. See the control-panel display. • **Off**: The product is functioning without error. • **Blinking**: Action is required. See the control-panel display.

Number	Button or light	Function
12	Folder or STAR (Secure Transaction Access Retrieval) button NOTE: This item is not included for the M601 models.	Provides quick access to the **Retrieve Job** menu
13	Backspace button NOTE: This item is not included for the M601 models.	Returns values to their defaults and exits the help screen
14	Numeric keypad NOTE: This item is not included for the M601 models.	Enter numeric values

Retrieve Job from USB menu

NOTE: You must enable this feature by using the control-panel menus or the HP Embedded Web Server before it can be used.

To enable this feature by using the control-panel menus, open the **Administration** menu, open the **Retrieve From USB Settings** sub menu, and then select the **Enable** option. To enable this feature by using the HP Embedded Web Server, click the **Print** tab.

To display: At the product control panel, press the Home button, and then select the **Retrieve Job from USB** menu.

First level	Second level	Values
Select a file or folder	<Job name>	**Copies**

Retrieve Job from Device Memory menu

To display: At the product control panel, press the Home button, and then select the **Retrieve Job from Device Memory** menu.

First level	Second level	Values
All Jobs (With PIN)	Print	Copies
	Print and Delete	Copies
	Delete	
All Jobs (No PIN)	Print	Copies
	Print and Delete	Copies
	Delete	Yes
		No
<Job name with PIN>	Print	Copies
	Print and Delete	Copies
	Delete	
<Job name without PIN>	Print	Copies
	Print and Delete	Copies
	Delete	Yes
		No

Supplies menu

To display: At the product control panel, press the Home button, and then select the **Supplies** menu.

In the following table, asterisks (*) indicate the factory default setting.

Table 2-1 Supplies menu

First level	Second level	Third level	Fourth level	Values
Manage Supplies	Print Supplies Status			
	Supply Settings	Black Cartridge	Very Low Settings	Stop Prompt to continue Continue*
			Low Threshold Settings	1-100% Default values for the CE390A cartridge: • M601 = 8% • M602 = 11% • M603 = 20% Default values for the CE390X cartridge: • M602 = 5% • M603 = 9%
		Maintenance Kit	Very Low Settings	Stop Prompt to continue Continue*
			Low Threshold Settings	1-100% Default = 10%
	Supply Messages	Low Message		On* Off
		Level Gauge		On* Off
	Reset Supplies	New Maintenance Kit		No Yes
Black Cartridge				The status is displayed.
Maintenance Kit				The status is displayed.

Trays menu

To display: At the product control panel, press the Home button, and then select the **Trays** menu.

In the following table, asterisks (*) indicate the factory default setting.

Table 2-2 Trays menu

First level	Second level	Values
Manage Trays	Use Requested Tray	Exclusively*
		First
	Manually Feed Prompt	Always*
		Unless Loaded
	Size/Type Prompt	Display*
		Do Not Display
	Use Another Tray	Enabled*
		Disabled
	Alternative Letterhead Mode	Disabled*
		Enabled
	Duplex Blank Pages	Auto *
		Yes
	Tray 2 Model	Standard Tray*
		Custom Tray
	Image Rotation	Standard*
		Alternate
	Override A4/Letter	Yes*
		No
Envelope Feeder Size		Select a size from the list.
Envelope Feeder Type		Select a type from the list.
Tray <X> Size		Select a size from the list.
Tray <X> Type		Select a type from the list.

Administration menu

Reports menu

To display: At the product control panel, press the Home button, select the **Administration** menu, and then select the **Reports** menu.

Table 2-3 Reports menu

First level	Second level
Configuration/Status Pages	Administration Menu Map
	Configuration Page
	Supplies Status Page
	Usage Page
	File Directory Page
	Current Settings Page
Other Pages	PCL Font List
	PS Font List

General Settings menu

To display: At the product control panel, press the Home button, select the **Administration** menu, and then select the **General Settings** menu.

In the following table, asterisks (*) indicate the factory default setting.

Table 2-4 General Settings menu

First level	Second level	Third level	Fourth level	Values
Date/Time Settings	Date/Time Format	Date Format		DD/MMM/YYYY MMM/DD/YYYY YYYY/MMM/DD
		Time Format		12 hour (AM/PM) 24 hours
	Date/Time	Date	Month Day Year	Select values from the lists.
		Time	Hour Minute AM/PM	Select values from the lists.
		Time Zone		Select the time zone from the list.

Table 2-4 General Settings menu (continued)

First level	Second level	Third level	Fourth level	Values
		Adjust for Daylight Savings		On*
				Off
Energy Settings	Sleep Timer Settings	Sleep/Auto Off Timer		Enabled*
				Disabled
		Sleep/Auto Off After		If you enabled the sleep/auto off timer, enter a value between 0 and 120 minutes.
				Default value: 30 minutes
		Wake/Auto On Events		All Events*
				Network port
				Power button only
Print Quality	Image Registration	Adjust Tray <X>	Print Test Page	
			X1 Shift	-5.00 mm to 5.00 mm
			Y1 Shift	
			X2 Shift	
			Y2 Shift	
	Adjust Paper Types	Select from a list of paper types that the product supports. The available options are the same for each paper type.	Print Mode	Select from a list of print modes.
			Resistance Mode	Normal
				Up
				Down
			Humidity Mode	Normal
				High
		Restore Modes		
	Optimize	Line Detail		Normal*
				Alternate 1
				Alternate 2
				Alternate 3
				Off
		Restore Optimize		

Table 2-4 General Settings menu (continued)

First level	Second level	Third level	Fourth level	Values
	Resolution			300 x 300 dpi
				600 x 600 dpi
				FastRes 1200*
				ProRes 1200
	REt			Off
				On*
	Economode			Off*
				On
	Toner Density			Range: 1 - 5
				Default = 3
Quiet Mode				Off*
				On
Jam Recovery				Auto*
				Off
				On
Manage Stored Jobs	Quick Copy Job Storage Limit			1-100
				Default = 32
	Quick Copy Job Held Timeout			Off*
				1 Hour
				4 Hours
				1 Day
				1 Week
	Default Folder Name			
	Sort Stored Jobs By			Job Name*
				Date
Restore Factory Settings				

Retrieve From USB Settings menu

To display: At the product control panel, press the Home button, select the **Administration** menu, and then select the **Retrieve From USB Settings** menu.

Table 2-5 Retrieve From USB Settings menu

First level	Values
Enable Retrieve from USB	Enabled
	Disabled*

General Print Settings menu

To display: At the product control panel, press the Home button, select the **Administration** menu, and then select the **General Print Settings** menu.

In the following table, asterisks (*) indicate the factory default setting.

Table 2-6 Print Settings menu

First level	Second level	Values
Manual Feed		Enabled
		Disabled*
Courier Font		Regular*
		Dark
Wide A4		Enabled
		Disabled*
Print PS Errors		Enabled
		Disabled*
Print PDF Errors		Enabled
		Disabled*
Personality		Auto*
		PCL
		PS
		PDF
PCL	Form Length	Range: 5 – 128
		Default = 60
	Orientation	Portrait*
		Landscape
	Font Source	Internal*
		USB
	Font Number	Range: 0 – 110
		Default = 0

Table 2-6 Print Settings menu (continued)

First level	Second level	Values
	Font Pitch	Range: 0.44 – 99.99 Default = 10.00
	Font Point Size	Range: 4.00 – 999.75 Default = 12.00
	Symbol Set	Select from a list of symbol sets.
	Append CR to LF	No* Yes
	Suppress Blank Pages	No* Yes
	Media Source Mapping	Standard* Classic

Default Print Options menu

To display: At the product control panel, press the Home button, select the **Administration** menu, and then select the **Default Print Options** menu.

In the following table, asterisks (*) indicate the factory default setting.

First level	Second level	Values
Number of Copies		
Default Paper Size		Select from a list of sizes that the product supports.
Default Custom Paper Size	Unit of Measure	Inches
		mm
	X Dimension	
	Y Dimension	
Output Bin		Select from a list of available output bins.
Sides		1-sided*
		2-sided
2-Sided Format		Book-style*
		Flip-style
Edge-To-Edge		Enabled
		Disabled*

Display Settings menu

To display: At the product control panel, press the Home button, select the **Administration** menu, and then select the **Display Settings** menu.

In the following table, asterisks (*) indicate the factory default setting.

Table 2-7 Display Settings menu

First level	Second level	Values
Display Brightness		Range -10 to 10
Language		Select from a list of languages that the product supports.
Show IP Address		Display
		Hide
Inactivity Timeout		Range: 10 – 300 seconds
		Default = 60 seconds

Table 2-7 Display Settings menu (continued)

First level	Second level	Values
Clearable Warnings		On Job*
Continuable Events		Auto continue (10 seconds)* Press OK to continue

Manage Supplies menu

To display: At the product control panel, press the Home button, select the **Administration** menu, and then select the **Manage Supplies** menu.

In the following table, asterisks (*) indicate the factory default setting.

Table 2-8 Manage Supplies menu

First level	Second level	Third level	Values
Print Supplies Status			
Supply Settings	Black Cartridge	Very Low Settings	Stop Prompt to continue Continue*
		Low Threshold Settings	1-100% Default values for the CE390A cartridge: • M601 = 8% • M602 = 11% • M603 = 20% Default values for the CE390X cartridge: • M602 = 5% • M603 = 9%
	Maintenance Kit	Very Low Settings	Stop Prompt to continue Continue*
		Low Threshold Settings	1-100% Default = 10%
Supply Messages	Low Message		On* Off

Table 2-8 Manage Supplies menu (continued)

First level	Second level	Third level	Values
	Level Gauge		On*
			Off
Reset Supplies	New Maintenance Kit		No
			Yes

Manage Trays menu

To display: At the product control panel, press the Home button, select the **Administration** menu, and then select the **Manage Trays** menu.

In the following table, asterisks (*) indicate the factory default setting.

Table 2-9 Manage Trays menu

First level	Values
Use Requested Tray	Exclusively*
	First
Manually Feed Prompt	Always*
	Unless Loaded
Size/Type Prompt	Display*
	Do Not Display
Use Another Tray	Enabled*
	Disabled
Alternative Letterhead Mode	Disabled*
	Enabled
Duplex Blank Pages	Auto *
	Yes
Tray 2 Model	Standard Tray
	Custom Tray
Image Rotation	Standard
	Alternate
Override A4/Letter	Yes*
	No

Stapler/Stacker Settings menu

To display: At the product control panel, press the Home button, select the **Administration** menu, and then select the **Stapler/Stacker Settings** menu.

In the following table, asterisks (*) indicate the factory default setting.

Table 2-10 Stapler/Stacker Settings menu

First level	Values
Stapling	None*
	Top left or right
	Top left
	Top right
Staples Very Low	Continue*
	Stop

Multi-Bin Mailbox Settings menu

To display: At the product control panel, press the Home button, select the **Administration** menu, and then select the **Multi-Bin Mailbox Settings** menu.

In the following table, asterisks (*) indicate the factory default setting.

Table 2-11 Multi-Bin Mailbox Settings menu

First level	Values
Operation Mode	Mailbox*
	Stacker
	Job Separator
	Collator

Network Settings menu

To display: At the product control panel, press the Home button, select the **Administration** menu, and then select the **Network Settings** menu.

In the following table, asterisks (*) indicate the factory default setting.

Table 2-12 Network Settings menu

First level	Values
I/O Timeout	Range: 5 – 300 sec Default = 15
Jetdirect Menu	See the table that follows for details.

Table 2-13 Jetdirect Menu

First level	Second level	Third level	Fourth level	Values
Information	Print Sec Page			Yes No*
TCP/IP	Enable			On* Off
	Host Name			
	IPV4 Settings	Config Method		Bootp DHCP* Auto IP Manual
		Manual Settings NOTE: This menu is available only if you select the **Manual** option under the **Config Method** menu.	IP Address	Enter the address.
			Subnet Mask	Enter the address.
			Default Gateway	Enter the address.
		Default IP		Auto IP* Legacy
		DHCP Release		No* Yes
		DHCP Renew		No* Yes
		Primary DNS		
		Secondary DNS		

Table 2-13 Jetdirect Menu (continued)

First level	Second level	Third level	Fourth level	Values
	IPV6 Settings	Enable		Off
				On*
		Address	Manual Settings	Enable
				Address
		DHCPV6 Policy		Router Specified
				Router Unavailable*
				Always
		Primary DNS		
		Secondary DNS		
	Proxy Server			
	Proxy Port			
	Idle Timeout			
Security	Secure Web			HTTPS Required*
				HTTPS Optional
	IPSEC			Keep
				Disable*
	802.1X			Reset
				Keep*
	Reset Security			Yes
				No*
Diagnostics	Embedded Tests	LAN HW Test		Yes
				No*
		HTTP Test		Yes
				No*
		SNMP Test		Yes
				No*
		Data Path Test		Yes
				No*
		Select All Tests		Yes
				No*
		Execution Time [H]		Range: 1 – 60 hours
				Default = 1 hour

Table 2-13 Jetdirect Menu (continued)

First level	Second level	Third level	Fourth level	Values
		Execute		No*
				Yes
	Ping Test	Dest Type		IPV4
				IPV6
		Dest IPv4		
		Dest IPv6		
		Packet Size		
		Timeout		
		Count		
		Print Results	Yes	
			No	
		Execute	Yes	
			No	
	Ping Results	Packets Sent		
		Packets Received		
		Percent Lost		
		RTT Min		
		RTT Max		
		RTT Average		
		Ping in Progress	Yes	
			No	
		Refresh	Yes	
			No	
Link Speed				Auto*
				10T Half
				10T Full
				100TX Half
				100TX Full
				1000T Full

Troubleshooting menu

To display: At the product control panel, press the Home button, select the **Administration** menu, and then select the **Troubleshooting** menu.

In the following table, asterisks (*) indicate the factory default setting.

Table 2-14 Troubleshooting menu

First level	Second level	Third level	Values
Print Event Log			
View Event Log			
Print Paper Path Page			
Print Quality Pages	Print Fuser Test Page		
Diagnostic Tests	Paper Path Sensors	Select from a list of the product sensors.	
	Paper Path Test	Print Test Page	
		Source	Select from a list of the available trays.
		Destination	Select from a list of the available bins.
		Duplex	Off*
			On
		Copies	1*
			10
			50
			100
			500
		Stacking	Off
			On
	Manual Sensor Test		
	Manual Tray/Bin Sensor Test		
	Component Test		
	Print/Stop Test		Range: 0 – 60,000

Device Maintenance menu

Backup/Restore menu

To display: At the product control panel, press the Home button, select the **Device Maintenance** menu, and then select the **Backup/Restore** menu.

In the following table, asterisks (*) indicate the factory default setting.

Table 2-15 Backup/Restore menu

First level	Second level	Third level	Values
Backup Data	Scheduled Backups	Enable Scheduling	Enter a time
		Days Between	Enter the number of days
	Backup Now		
	Export Last Backup		
Restore Data			Insert a USB drive that contains the backup file.

Calibrate/Cleaning menu

To display: At the product control panel, press the Home button, select the **Device Maintenance** menu, and then select the **Calibrate/Cleaning** menu.

In the following table, asterisks (*) indicate the factory default setting.

Table 2-16 Calibrate/Cleaning menu

First level	Second level	Values
Cleaning Settings	Auto Cleaning	Off*
		On
	Cleaning Interval	From the list, select the number of pages at which to automatically clean the product.
	Cleaning Size	Letter
		A4
Print Cleaning Page		

USB Firmware Upgrade menu

To display: At the product control panel, press the Home button, select the **Device Maintenance** menu, and then select the **USB Firmware Upgrade** menu.

Insert a USB storage device with a firmware upgrade bundle into the USB port, and follow the on-screen instructions.

Service menu

To display: At the product control panel, press the Home button, select the **Device Maintenance** menu, and then select the **Service** menu.

The **Service** menu is locked and requires a PIN for access. This menu is intended for use by authorized service personnel.

3 Software for Windows

- Supported operating systems and printer drivers for Windows
- Select the correct printer driver for Windows
- Change print job settings for Windows
- Remove the printer driver from Windows
- Supported utilities for Windows
- Software for other operating systems

Supported operating systems and printer drivers for Windows

The product supports the following Windows operating systems:

- Windows XP (32-bit and 64-bit)
- Windows Server 2008 (32-bit and 64-bit)
- Windows Vista (32-bit and 64-bit)
- Windows 7 (32-bit and 64-bit)

The installation program on the software CD that came with the product supports the following Windows operating systems:

- Windows XP Service Pack 2 or greater (32-bit)
- Windows Server 2008 (32-bit and 64-bit)
- Windows Server 2008 R2 (64-bit)
- Windows Vista (32-bit and 64-bit)
- Windows 7, including Starter Edition (32-bit and 64-bit)

NOTE: You also can install the product software on 64-bit Windows XP and 64-bit Windows Server 2003 operating systems by using the Windows Add Printer feature.

The product supports the following Windows printer drivers:

- HP PCL 6 (this is the default printer driver)
- HP postscript emulation Universal Print Driver (HP UPD PS)
- HP PCL 5 Universal Print Driver (HP UPD PCL 5)
- HP PCL 6 Universal Print Driver (HP UPD PCL 6)

The printer drivers include online Help that has instructions for common printing tasks and also describes the buttons, checkboxes, and drop-down lists that are in the printer driver.

NOTE: For more information about the UPD, see www.hp.com/go/upd.

Select the correct printer driver for Windows

Printer drivers provide access to the product features and allow the computer to communicate with the product (using a printer language). The following printer drivers are available at www.hp.com/go/lj600Series_software.

HP PCL 6 driver	• 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	• 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	• 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 printer models • Preferred when printing to multiple printer models from a mobile Windows computer
HP UPD PCL 6	• Recommended for printing in all Windows environments • Provides the overall best speed, print quality, and printer 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 software programs that are based on PCL 5

HP Universal Print Driver (UPD)

The HP Universal Print Driver (UPD) for Windows is a single driver that gives you instant access to virtually any HP LaserJet product, from any location, without downloading separate drivers. It is built on proven HP print driver technology and has been tested thoroughly and used with many software programs. It is a powerful solution that performs consistently over time.

The HP UPD communicates directly with each HP product, gathers configuration information, and then customizes the user interface to show the product's unique, available features. It automatically enables features that are available for the product, such as two-sided printing and stapling, so you do not need to enable them manually.

For more information, go to www.hp.com/go/upd.

UPD installation modes

Traditional mode	• Use this mode if you are installing the driver from a CD for a single computer. • When installed from the CD that comes with the product, UPD operates like traditional printer drivers. It operates with a specific product. • If you use this mode, you must install UPD separately for each computer and for each product.
Dynamic mode	• To use this mode, download UPD from the Internet. See www.hp.com/go/upd. • Dynamic mode allows you to use a single driver installation, so you can discover and print to HP products in any location. • Use this mode if you are installing UPD for a workgroup.

Change print job settings for Windows

Priority for print settings

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

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

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

Change the settings for all print jobs until the software program is closed

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

The steps can vary; this procedure is most common.

Change the default settings for all print jobs

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

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

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

   Windows 7: Click **Start**, and then click **Devices and Printers**.
2. Right-click the driver icon, and then select **Printing Preferences**.

Change the product configuration settings

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

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

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

Windows 7: Click **Start**, and then click **Devices and Printers**.

2. Right-click the driver icon, and then select **Properties** or **Printer properties**.
3. Click the **Device Settings** tab.

Remove the printer driver from Windows

Windows XP

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

Windows Vista

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

Windows 7

1. Click **Start**, **Control Panel**, and then under the **Programs** heading, click **Uninstall a program**.
2. Find and select the product from the list.
3. Select the **Uninstall** option.

Supported utilities for Windows

Priority for print settings

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

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

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

HP Embedded Web Server

The product is equipped with the HP Embedded Web Server, which provides access to information about product and network activities. This information appears in a Web browser, such as Microsoft Internet Explorer, Netscape Navigator, Apple Safari, or Mozilla Firefox.

The HP Embedded Web Server resides on the product. It is not loaded on a network server.

The HP Embedded Web Server provides an interface to the product that anyone who has a network-connected computer and a standard Web browser can use. No special software is installed or configured, but you must have a supported Web browser on your computer. To gain access to the HP Embedded Web Server, type the IP address for the product in the address line of the browser. (To find the IP address, print a configuration page. For more information about printing a configuration page, see Print information pages on page 146).

For a complete explanation of the features and functionality of the HP Embedded Web Server, see Use the HP Embedded Web Server on page 147.

HP ePrint

With HP ePrint , you can print anywhere, anytime, from a mobile phone, laptop, or any other mobile device. HP ePrint works with any email-capable device. If you can e-mail, you can print to an HP ePrint-enabled product. For more details, go to www.hpeprintcenter.com.

NOTE: The product must be connected to a network and have Internet access to use HP ePrint.

HP ePrint is disabled as a default setting in the product. Use this procedure to enable it.

1. Type the product IP address into the address line of a Web browser to open the HP Embedded Web Server.
2. Click the **Web Services** tab.
3. Select the option to enable Web Services.

Software for other operating systems

OS	Software
UNIX	For HP-UX and Solaris networks, go to www.hp.com/go/jetdirectunix_software to install model scripts using the HP Jetdirect printer installer (HPPI) for UNIX. For the latest model scripts, go to www.hp.com/go/unixmodelscripts.
Linux	For information, go to www.hplip.net.
SAP devices	For drivers, go to www.hp.com/go/sap/drivers. For information, go to www.hp.com/go/sap/print.

4 Use the product with Mac

- Software for Mac
- Basic print tasks with Mac
- Solve problems with a Mac

Software for Mac

Supported operating systems and printer drivers for Mac

The product supports the following Mac operating systems:

- Mac OS X 10.5 and 10.6

NOTE: For Mac OS X 10.5 and later, PPC and Intel® Core™ Processor Macs are supported. For Mac OS X 10.6, Intel Core Processor Macs are supported.

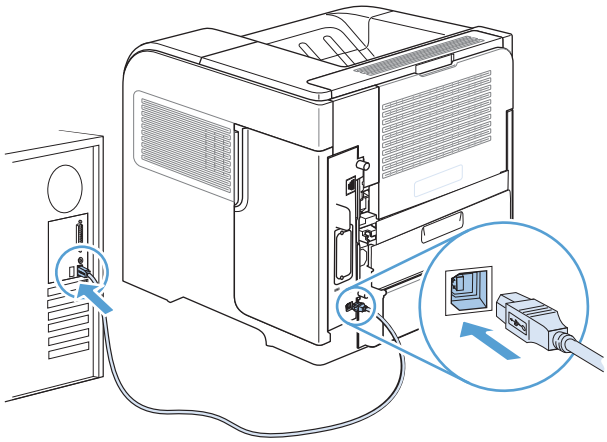
The HP LaserJet software installer provides PostScript® Printer Description (PPD) files, Printer Dialog Extensions (PDEs), and the HP Utility for use with Mac OS X computers. The HP printer PPD and PDE files, in combination with the built-in Apple PostScript printer drivers, provide full printing functionality and access to specific HP printer features.

Install software for Mac operating systems

Install software for Mac computers connected directly to the product

This product supports a USB 2.0 connection. Use an A-to-B type USB cable. HP recommends using a cable that is no longer than 2 m (6.5 ft).

1. Connect the USB cable to the product and the computer.



2. Install the software from the CD. Click the product icon, and follow the onscreen instructions.

   If you did not add a pirnter during the CD install process, continue with the next step.

3. At the computer, open the Apple menu , click the **System Preferences** menu, and then click the **Print & Fax** icon.

4. Click the plus (+) symbol in the lower left corner of the **Printer Names** column, select the product from the **Add Printer** window, and then make sure that the product driver is listed in the **Print Using** area.

5. Click **Add** to create the printer queue.

NOTE: For Mac OS X 10.5 and 10.6, the installation procedure should automatically configure the installed options.

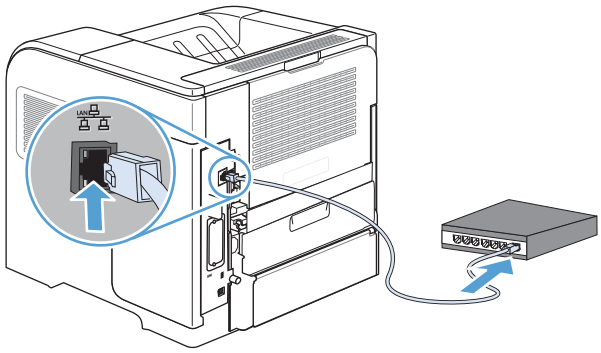
6. Print a page from any program to make sure that the software is correctly installed.

NOTE: If the installation failed, reinstall the software.

Install software for Mac computers on a wired network

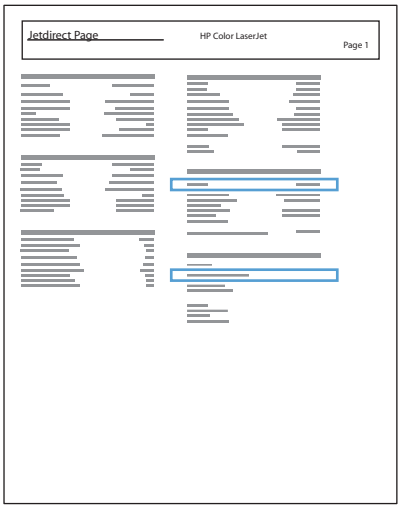
Configure the IP address

1. Connect the network cable to the product and to the network.



2. Wait for 60 seconds before continuing. During this time, the network recognizes the product and assigns an IP address or host name for the product.
3. At the product control panel, press the Home button.
4. Open the following menus:
   - Administration
   - Reports
   - Configuration/Status Pages
   - Configuration Page

5. Find the IP address on the Embedded Jetdirect page.



6. **IPv4**: If the IP address is 0.0.0.0, or 192.0.0.192, or 169.254.x.x, you must manually configure the IP address. Otherwise, the network configuration was successful.

   IPv6: If the IP address begins with "fe80:", the product should be able to print. If not, you must manually configure the IP address.

Install the software

1. Install the software from the CD. Click the product icon, and follow the onscreen instructions.

   If you did not add a pirnter during the CD install process, continue with the next step.

2. At the computer, open the Apple menu , click the **System Preferences** menu, and then click the **Print & Fax** icon.

3. Click the plus (+) symbol in the lower left corner of the **Printer Names** column.

   By default, Mac OS X uses the Bonjour method to find the driver and add the product to the printer pop-up menu. This method is best in most situations. If Mac OS X cannot find the HP printer driver, an error message displays. Reinstall the software.

   If you are connecting the product to a large network, you might need to use IP printing to connect rather than Bonjour. Follow these steps:

   a. From the **Add Printer** window, click the **IP Printer** button.

   b. From the **Protocol** drop-down list, select the **HP Jetdirect-Socket** option. Enter the IP address or host name for the product. From the **Print Using** drop-down list, select the product model if one is not already selected.

4. Print a page from any program to make sure that the software is correctly installed.

Remove the printer driver from Mac operating systems

You must have administrator rights to remove the software.

1. Open **System Preferences**.

2. Select **Print & Fax**.

3. Highlight the product.
4. Click the minus (-) symbol.
5. Delete the print queue, if necessary.

Priority for print settings for Mac

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

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

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

Change printer-driver settings for Mac

Change the settings for all print jobs until the software program is closed

1. On the **File** menu, click the **Print** button.
2. Change the settings that you want on the various menus.

Change the default settings for all print jobs

1. On the **File** menu, click the **Print** button.
2. Change the settings that you want on the various menus.
3. On the **Presets** menu, click the **Save As...** option and type a name for the preset.

These settings are saved in the **Presets** menu. To use the new settings, you must select the saved preset option every time you open a program and print.

Change the product configuration settings

1. From the Apple menu , click the **System Preferences** menu and then click the **Print & Fax** icon.
2. Select the product in the left side of the window.
3. Click the **Options & Supplies** button.
4. Click the **Driver** tab.
5. Configure the installed options.

Software for Mac computers

HP Utility for Mac

Use the HP Utility to set up product features that are not available in the printer driver.

You can use the HP Utility when the product uses a universal serial bus (USB) cable or is connected to a TCP/IP-based network.

Open the HP Printer Utility

- From the dock, click **HP Utility**.

  -or-

  From **Applications**, click **Hewlett Packard**, and then click **HP Utility**.

HP Utility features

The HP Utility consists of pages that you open by clicking in the **Configuration Settings** list. The following table describes the tasks that you can perform from these pages. At the top of any page, click the **HP Support** link to access technical assistance, online supplies ordering, online registration, and recycling and return information.

Menu	Item	Description
Information And Support	Supplies Status	Shows the product supplies status and provides links for online supplies-ordering.
	Device Information	Shows information about the currently selected product.
	File Upload	Transfers files from the computer to the product.
	Upload Fonts	Transfers font files from the computer to the product.
	Update Firmware	Transfers a firmware update file to the product.
	Commands	Sends special characters or print commands to the product after the print job.
Printer Settings	Trays Configuration	Changes the default tray settings.
	Economode & Toner Density	Changes toner density to use toner more economically
	Resolution	Sets the default print resolution for the product
	Output Devices	Manages settings for the optional output accessories
	Duplex Mode	Turns on the automatic two-sided printing mode.
	Stored Jobs	Manages print jobs that are stored on the product hard disk.
	E-mail Alerts	Configures the product to send e-mail notices for certain events.
	Network Settings	Configures the network settings, such as the IPv4 and IPv6 settings.
	Supplies Management	Configures how the product should behave when supplies are nearing the end of their estimated life.
	Protect Direct Ports	Disables printing over USB or parallel ports.
	Additional Settings	Provides access to the HP Embedded Web Server.

Supported utilities for Mac

HP Embedded Web Server

The product is equipped with the HP Embedded Web server, which provides access to information about product and network activities. Access the HP Embedded Web Server from the HP Utility. Open the **Printer Settings** menu, and then select the **Additional Settings** option.

You can also access the HP Embedded Web Server from the Safari Web browser:

1. Select the page icon in the left side of the Safari toolbar.
2. Click the Bonjour logo.
3. In the list of printers, double-click this product. The HP Embedded Web Server opens.

HP ePrint

With HP ePrint , you can print anywhere, anytime, from a mobile phone, laptop, or any other mobile device. HP ePrint works with any email-capable device. If you can e-mail, you can print to an HP ePrint-enabled product. For more details, go to www.hpeprintcenter.com.

NOTE: The product must be connected to a network and have Internet access to use HP ePrint.

HP ePrint is disabled as a default setting in the product. Use this procedure to enable it.

1. Type the product IP address into the address line of a Web browser to open the HP Embedded Web Server.
2. Click the **Web Services** tab.
3. Select the option to enable Web Services.

AirPrint

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

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

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

NOTE: You might need to upgrade the product firmware to use AirPrint. Go to www.hp.com/go/lj600Series_firmware.

Basic print tasks with Mac

Cancel a print job with Mac

1. If the print job is currently printing, cancel it by following this procedure:
   a. Press the Stop button on the product control panel.
   b. The product prompts you to confirm the deletion. Press the OK button.
2. You can also cancel a print job from a software program or a print queue.
   - **Software program:** Typically, a dialog box appears briefly on the computer screen, allowing you to cancel the print job.
   - **Mac print queue:** Open the print queue by double-clicking the product icon in the Dock. Highlight the print job, and then click the **Delete** button.

Change the paper size and type with Mac

1. On the **File** menu in the software program, click the **Print** option.
2. In the **Copies & Pages** menu, click the **Page Setup** button.
3. Select a size from the **Paper Size** drop-down list, and then click the **OK** button.
4. Open the **Finishing** menu.
5. Select a type from the **Media-type** drop-down list.
6. Click the **Print** button.

Resize documents or print on a custom paper size with Mac

Mac OS X 10.5 and 10.6 Use one of these methods.	1. On the **File** menu, click the **Print** option. 2. Click the **Page Setup** button. 3. Select the product, and then select the correct settings for the **Paper Size** and **Orientation** options.
	1. On the **File** menu, click the **Print** option. 2. Open the **Paper Handling** menu. 3. In the **Destination Paper Size** area, click the **Scale to fit paper size** box, and then select the size from the drop-down list.

Create and use printing presets with Mac

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

Create a printing preset

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

3. Select the print settings that you want to save for reuse.
4. In the **Presets** menu, click the **Save As...** option, and type a name for the preset.
5. Click the **OK** button.

Use printing presets

1. On the **File** menu, click the **Print** option.
2. Select the driver.
3. In the **Presets** menu, select the printing preset.

NOTE: To use printer-driver default settings, select the **standard** option.

Print a cover page with Mac

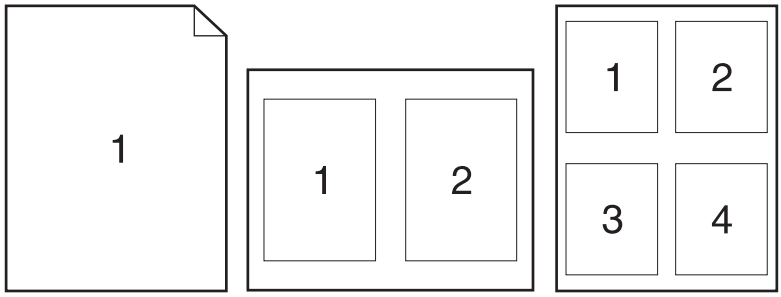
1. On the **File** menu, click the **Print** option.
2. Select the driver.
3. Open the **Cover Page** menu, and then select where to print the cover page. Click either the **Before Document** button or the **After Document** button.
4. In the **Cover Page Type** menu, select the message that you want to print on the cover page.

NOTE: To print a blank cover page, select the **standard** option from the **Cover Page Type** menu.

Use watermarks with Mac

1. On the **File** menu, click the **Print** option.
2. Open the **Watermarks** menu.
3. From the **Mode** menu, select the type of watermark to use. Select the **Watermark** option to print a semi-transparent message. Select the **Overlay** option to print a message that is not transparent.
4. From the **Pages** menu, select whether to print the watermark on all pages or on the first page only.
5. From the **Text** menu, select one of the standard messages, or select the **Custom** option and type a new message in the box.
6. Select options for the remaining settings.

Print multiple pages on one sheet of paper with Mac



1. On the **File** menu, click the **Print** option.
2. Select the driver.
3. Open the **Layout** menu.
4. From the **Pages per Sheet** menu, select the number of pages that you want to print on each sheet (1, 2, 4, 6, 9, or 16).
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.

Print on both sides of the page (duplex printing) with Mac

1. Insert enough paper into one of the trays to accommodate the print job.
2. On the **File** menu, click the **Print** option.
3. Open the **Layout** menu.
4. From the **Two-Sided** menu, select a binding option.

Store jobs with Mac

You can store jobs on the product so you can print them at any time. You can share stored jobs with other users, or you can make them private.

1. On the **File** menu, click the **Print** option.
2. Open the **Job Storage** menu.
3. In the **Job Storage Mode** drop-down list, select the type of stored job.
    - **Proof and Hold**: This feature provides a quick way to print and proof one copy of a job and then print more copies.
    - **Personal Job**: When you send a job to the product, the job does not print until you request it at the product control panel. If you assign a personal identification number (PIN) to the job, you must provide the required PIN at the control panel.

- **Quick Copy**: If the optional hard disk is installed on the product, you can print the requested number of copies of a job and then store a copy of the job on the optional hard disk. Storing the job allows you to print additional copies of the job later.
- **Stored Job**: If the optional hard disk is installed on the product, you can store a job such as a personnel form, time sheet, or calendar on the product and allow other users to print the job at any time. Stored jobs also can be protected by a PIN.

4. To use a custom user name or job name, click the **Custom** button, and then enter the user name or the job name.

   Select which option to use if another stored job already has that name.

Use Job Name + (1 - 99)	Append a unique number to the end of the job name.
Replace Existing File	Overwrite the existing stored job with the new one.

5. If you selected the **Stored Job** or **Personal Job** option in step 3, you can protect the job with a PIN. Type a 4-digit number in the **Use PIN to Print** field. When other people attempt to print this job, the product prompts them to enter this PIN number.

Solve problems with a Mac

See Solve product software problems with Mac on page 196.

5 Connect the product with Windows

- Printer sharing disclaimer
- Connect with USB
- Connect to a network with Windows

Printer sharing disclaimer

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

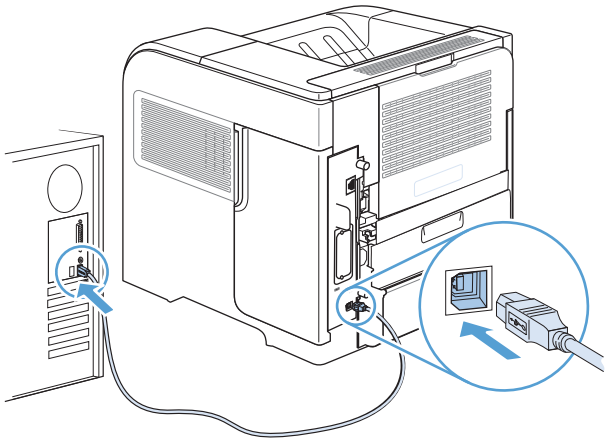
Connect with USB

This product supports a USB 2.0 connection. Use an A-to-B type USB cable. HP recommends using a cable that is no longer than 2 m (6.5 ft).

CAUTION: Do not connect the USB cable until the installation software prompts you to connect it.

CD installation

1. Quit all open programs on the computer.
2. Install the software from the CD, and follow the onscreen instructions.
3. When prompted, select the **Directly connect to this computer using USB cable** option, and then click the **Next** button.
4. When the software prompts you, connect the USB cable to the product and the computer.



5. At the end of the installation, click the **Finish** button, or click the **More Options** button to install more software.
6. On the **More Options** screen, you can install more software, or click the **Exit** button.
7. Print a page from any program to make sure that the software is correctly installed.

NOTE: If the installation failed, reinstall the software.

Connect to a network with Windows

You can configure network parameters from the control panel, the HP Embedded Web Server, or for most networks, from the HP Web Jetadmin software.

NOTE: HP Web Jetadmin software is not supported on Mac OS X operating systems.

For a complete list of supported networks and for instructions on configuring network parameters from software, see the *HP Jetdirect Embedded Print Server Administrator's Guide*. The guide comes with products in which an HP Jetdirect embedded print server is installed.

Supported network protocols

Table 5-1 Supported network protocols

Network type	Supported protocols
TCP/IP IPv4 and IPv6 networks	• Bonjour • Simple Network Management Protocol (SNMP) v1, v2, and v3 • Hyper Text Transfer Protocol (HTTP) • Secure HTTP (HTTPS) • File Transfer Protocol (FTP) • Port 9100 • Line printer daemon (LPD) • Intenet Printing Protocol (IPP) • Secure IPP • Web Services Dynamic Discovery (WS Discovery) • IPsec/Firewall
TCP/IP IPv4 networks only	• Auto IP • Service Location Protocol (SLP) • Trivial File Transfer Protocol (TFTP) • Telnet • Internet Group Management Protocol (IGMP) v2 • Bootstrap Protocol (BOOTP)/DHCP • Windows Internet Name Service (WINS) • IP Direct Mode • WS Print

Table 5-1 Supported network protocols (continued)

Network type	Supported protocols
TCP/IP IPv6 networks only	• Dynamic Host Configuration Protocol (DHCP) v6 • Multicast Listener Discovery Protocol (MLD) v1 • Internet Control Message Protocol (ICMP) v6
Other supported network protocols	• Internetwork Packet Exchange/Sequenced Packet Exchange (IPX/SPX) • AppleTalk • NetWare Directory Services (NDS) • Bindery • Novell Distributed Print Services (NDPS) • iPrint

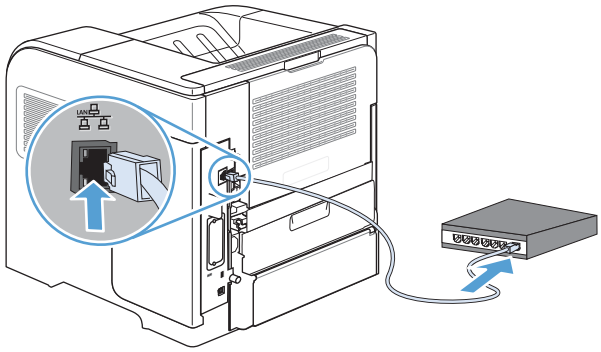
Table 5-2 Advanced Security features for network management

Service name	Description
IPsec/Firewall	Provides network-layer security on IPv4 and IPv6 networks. A firewall provides simple control of IP traffic. IPsec provides additional protection through authentication and encryption protocols.
Kerberos	Allows you to exchange private information across an open network by assigning a unique key, called a ticket, to each user who logs on to the network. The ticket is then embedded in messages to identify the sender.
SNMP v3	Employs a user-based security model for SNMP v3, which provides user authentication and data privacy through encryption.
SSL/TLS	Allows you to transmit private documents via the Internet and guarantee privacy and data integrity between the client and server applications.
IPsec batch configuration	Provides network-layer security through the simple control of IP traffic to and from the product. This protocol provides the benefits of encryption and authentication and allows for multiple configurations.

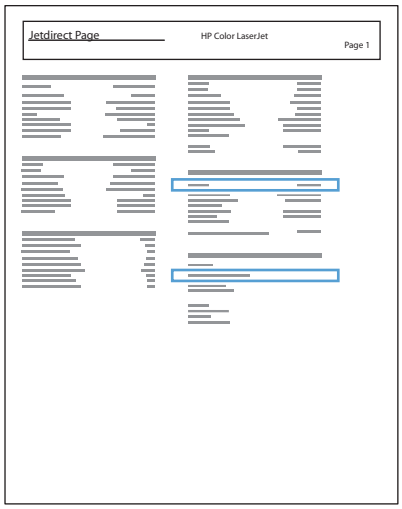
Install the product on a wired network with Windows

Configure the IP address

1. Connect the network cable to the product and to the network.



2. Wait for 60 seconds before continuing. During this time, the network recognizes the product and assigns an IP address or host name for the product.
3. At the product control panel, press the Home button.
4. Open the following menus:
   - Administration
   - Reports
   - Configuration/Status Pages
   - Configuration Page
5. Find the IP address on the Embedded Jetdirect page.



6. IPv4: If the IP address is 0.0.0.0, or 192.0.0.192, or 169.254.x.x, you must manually configure the IP address. Otherwise, the network configuration was successful.

   IPv6: If the IP address begins with "fe80:", the product should be able to print. If not, you must manually configure the IP address.

Install the software

1. Quit all programs on the computer.
2. Install the software from the CD.
3. Follow the onscreen instructions.
4. When prompted, select the **Connect through a wired network** option.
5. From the list of available printers, select the printer that has the correct IP address.
6. At the end of the installation, click the **Finish** button, or click the **More Options** button to install more software.
7. Print a page from any program to make sure that the software is correctly installed.

Configure network settings with Windows

View or change network settings

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

1. Print a configuration page, and locate the IP address.
   - If you are using IPv4, the IP address contains only digits. It has this format:

     `xxx.xxx.xxx.xxx`

   - If you are using IPv6, the IP address is a hexadecimal combination of characters and digits. It has a format similar to this:

     `xxxx::xxxx:xxxx:xxxx:xxxx`
2. To open the embedded Web server, type the IP address into the address line of a Web browser.
3. Click the **Networking** tab to obtain network information. You can change settings as needed.

Set or change the network password

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

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

   NOTE: If a password has previously been set, you are prompted to type the password. Type the password, and then click the **Apply** button.
2. Type the new password in the **New Password** box and in the **Verify password** box.
3. At the bottom of the window, click the **Apply** button to save the password.

Manually configure IPv4 TCP/IP parameters from the control panel

Use the control-panel **Administration** menus to manually set an IPv4 address, subnet mask, and default gateway.

1. At the control panel, press the Home button.
2. Open each of the following menus:
    a. **Administration**
    b. **Network Settings**
    c. **Jetdirect Menu**
    d. **TCP/IP**
    e. **IPV4 Settings**
    f. **Config Method**
    g. **Manual**
    h. **Manual Settings**
    i. **IP Address**, **Subnet Mask**, or **Default Gateway**
3. Use the numeric keypad, or press the up arrow or the down arrow to increase or decrease the number for the first byte of the IP address, subnet mask, or default gateway.
4. Press the OK button to move to the next set of numbers. To move to the previous set of numbers, press the back arrow .
5. Repeat steps 3 and 4 until the IP address, subnet mask, or default gateway is complete, and then press the OK button to save the setting.

Manually configure IPv6 TCP/IP parameters from the control panel

Use the control-panel **Administration** menus to manually set an IPv6 address.

1. At the control panel, press the Home button.
2. To enable manual configuration, open each of the following menus:

   a. **Administration**

   b. **Network Settings**

   c. **Jetdirect Menu**

   d. **TCP/IP**

   e. **IPV6 Settings**

   f. **Address**

   g. **Manual Settings**

   h. **Enable**

   Select the **On** option, and then press the OK button.
3. To configure the address, open each of the following menus:

   - **Administration**
   - **Network Settings**
   - **Jetdirect Menu**
   - **TCP/IP**
   - **IPV6 Settings**
   - **Address**

   Use the numeric keypad, or press the up arrow or the down arrow to enter the address. Press the OK button.

NOTE: If you are using the arrow buttons, you must press the OK button after entering each digit.

Link speed and duplex settings

The link speed and communication mode of the print server must match the network. For most situations, leave the product in **Auto** mode. Incorrect changes to the link speed and duplex settings might prevent the product from communicating with other network devices. If you need to make changes, use the product control panel.

NOTE: Making changes to these settings causes the product to turn off and then on. Make changes only when the product is idle.

1. At the control panel, press the Home button.
2. Open each of the following menus:
   a. **Administration**
   b. **Network Settings**
   c. **Jetdirect Menu**
   d. **Link Speed**
3. Select one of the following options.

Setting	Description
Auto	The print server automatically configures itself for the highest link speed and communication mode allowed on the network.
10T Half	10 megabytes per second (Mbps), half-duplex operation
10T Full	10 Mbps, full-duplex operation
100TX Half	100 Mbps, half-duplex operation
100TX Full	100 Mbps, full-duplex operation
100TX Auto	Limits auto-negotiation to a maximum link speed of 100 Mbps
1000T Full	1000 Mbps, full-duplex operation

4. Press the OK button. The product turns off and then on.

6 Paper and print media

- Understand paper use
- Change the printer driver to match the paper type and size in Windows
- Supported paper sizes
- Supported paper types
- Tray and bin capacity
- Load paper trays
- Configure trays
- Select an output bin

Understand paper use

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

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

Store paper in the original package to prevent exposing the paper to moisture and other damage. Do not open the package until you are ready to use the paper.

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

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

Special paper guidelines

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

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

Media type	Do	Do not
Envelopes	• Store envelopes flat. • Use envelopes where the seam extends all the way to the corner of the envelope. • Use peel-off adhesive strips that are approved for use in laser printers.	• Do not use envelopes that are wrinkled, nicked, stuck together, or otherwise damaged. • Do not use envelopes that have clasps, snaps, windows, or coated linings. • Do not use self-stick adhesives or other synthetic materials.
Labels	• Use only labels that have no exposed backing between them. • Use labels that lie flat. • Use only full sheets of labels.	• Do not use labels that have wrinkles or bubbles, or are damaged. • Do not print partial sheets of labels.
Transparencies	• Use only transparencies that are approved for use in laser printers. • Place transparencies on a flat surface after removing them from the product.	• Do not use transparent print media not approved for laser printers.
Letterhead or preprinted forms	• Use only letterhead or forms approved for use in laser printers.	• Do not use raised or metallic letterhead.

Media type	Do	Do not
Heavy paper	• Use only heavy paper that is approved for use in laser printers and meets the weight specifications for this product.	• Do not use paper that is heavier than the recommended media specification for this product unless it is HP paper that has been approved for use in this product.
Glossy or coated paper	• Use only glossy or coated paper that is approved for use in laser printers. • Use coated paper in the temperature and humidity range for this product.	• Do not use glossy or coated paper designed for use in inkjet products. • Do not use coated paper in extremely high or low humidity environments.
All paper types	• Store paper in the original packaging. • Store paper in a dust-free area.	• Do not use paper that is curled. • Do not use paper that has been stored in a humid environment.

Change the printer driver to match the paper type and size in Windows

1. On the **File** menu in the software program, click **Print**.
2. Select the product, and then click the **Properties** or **Preferences** button.
3. Click the **Paper/Quality** tab.
4. Select a size from the **Paper size** drop-down list.
5. Select a paper type from the **Paper type** drop-down list.
6. Click the **OK** button.

Supported paper sizes

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

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

Table 6-1 Supported paper and print media sizes

Size and dimensions	Tray 1	Tray 2 and the optional 500-sheet trays	Optional 1,500-sheet tray	Optional envelope feeder	Optional duplexer	Optional stacker and stapler/ stacker	Optional 5-bin mailbox
Letter 216 x 279 mm (8.5 x 11 in)	✓	✓	✓		✓	✓	✓
A4 210 x 297 mm (8.27 x 11.69 in)	✓	✓	✓		✓	✓	✓
Legal 216 x 356 mm (8.5 x 14 in)	✓	✓	✓		✓	✓	✓
Executive 184 x 267 mm (7.24 x 10.51 in)	✓	✓	✓		✓	✓ (Stacker only)	✓
A5 148 x 210 mm (5.83 x 8.27 in)	✓	✓	✓		✓	✓ (Stacker only)	✓
8.5 x 13 216 x 330 mm (8.5 x 13 in)	✓	✓	✓			✓ (Stacker only)	✓
B5 (JIS) 182 x 257 mm (7.17 x 10.12 in)	✓	✓	✓		✓	✓ (Stacker only)	✓
Double Postcard (JIS) 148 x 200 mm (5.8 x 7.9 in)	✓						
16K 197 x 273 mm (7.8 x 10.8 in)	✓	✓			✓	✓ (Stacker only)	✓
Custom 76 x 127 mm to 216 x 356 mm (3.0 x 5.0 in to 8.5 x 14 in)	✓						
Custom 148 x 210 mm to 216 x 356 mm (5.83 x 8.27 in to 8.5 x 14 in)	✓	✓			✓	✓ (Stacker only)	✓

Table 6-1 Supported paper and print media sizes (continued)

Size and dimensions	Tray 1	Tray 2 and the optional 500-sheet trays	Optional 1,500-sheet tray	Optional envelope feeder	Optional duplexer	Optional stacker and stapler/ stacker	Optional 5-bin mailbox
Envelope Commercial #10 105 x 241 mm (4.13 x 9.49 in)	✓			✓			
Envelope DL ISO 110 x 220 mm (4.33 x 8.66 in)	✓			✓			
Envelope C5 ISO 162 x 229 mm (6.37 x 9.01 in)	✓			✓			
Envelope B5 ISO 176 x 250 mm (6.92 x 9.84 in)	✓			✓			
Envelope Monarch #7-3/4 98 x 191 mm (3.9 x 7.5 in)	✓			✓			

[1] Custom sizes cannot be stapled, but they can be stacked in the output bins.

Supported paper types

For a complete list of specific HP-brand paper that this product supports, go to www.hp.com/support/lj600Series.

Supported paper types for input options

Paper type	Tray 1	Tray 2	Optional 500-sheet trays	Optional 1,500-sheet tray	Optional envelope feeder
Any Type	✓	✓	✓	✓	✓
Plain	✓	✓	✓	✓	
Light 60-74g	✓	✓	✓	✓	
Cardstock 176-220g	✓	✓	✓		
Transparency	✓	✓	✓		
Labels	✓	✓	✓		
Letterhead	✓	✓	✓	✓	
Preprinted	✓	✓	✓	✓	
Prepunched	✓	✓	✓	✓	
Colored	✓	✓	✓	✓	
Rough	✓	✓	✓	✓	
Bond	✓	✓	✓	✓	
Recycled	✓	✓	✓	✓	
HP EcoSMART Lite	✓	✓	✓	✓	
Envelope	✓				✓

Supported paper types for output options

Paper type	Standard top bin (face-down)	Rear bin (face-up)	Optional duplexer	Optional stacker or stapler/stacker	Optional 5-bin mailbox
Any Type	✓	✓	✓	✓	✓
Plain	✓	✓	✓	✓	✓
Light 60-74g	✓	✓	✓	✓	✓
Cardstock 176-220g	✓	✓			
Transparency	✓	✓			
Labels	✓	✓			
Letterhead	✓	✓	✓	✓	✓
Preprinted	✓	✓	✓	✓	✓
Prepunched	✓	✓	✓	✓	✓
Colored	✓	✓	✓	✓	✓
Rough	✓	✓	✓	✓	✓
Bond	✓	✓	✓	✓	✓
Recycled	✓	✓	✓	✓	✓
HP EcoSMART Lite	✓	✓	✓	✓	✓
Envelope	✓	✓			

Tray and bin capacity

Tray or bin	Paper type	Specifications	Quantity
Tray 1	Paper and cardstock	Range: 60 g/m² (16 lb) bond to 200 g/m² (54 lb) bond	Maximum stack height: 10 mm (0.39 in) Equivalent to 100 sheets of 75 g/m² (20 lb) bond
	Envelopes	Less than 60 g/m² (16 lb) bond to 90 g/m² (24 lb) bond	Up to 10 envelopes
	Labels	Maximum 0.23 mm (0.009 in) thick	Maximum stack height: 10 mm (0.39 in)
	Transparencies	Minimum 0.13 mm (0.005 in) thick	Maximum stack height: 10 mm (0.39 in)
Tray 2 and the optional 500-sheet trays	Paper and cardstock	Range: 60 g/m² (16 lb) bond to 135 g/m² (36 lb) bond	Equivalent to 500 sheets of 75 g/m² (20 lb) bond
	Labels	Maximum 0.13 mm (0.005 in) thick	Maximum stack height: 54 mm (2.1 in)
	Transparencies	Minimum 0.13 mm (0.005 in) thick	Maximum stack height: 54 mm (2.1 in)
Optional 1,500-sheet tray	Paper	Range: 60 g/m² (16 lb) bond to 135 g/m² (36 lb) bond	Equivalent to 1,500 sheets of 75 g/m² (20 lb) bond
Optional envelope feeder	Envelopes	Less than 60 g/m² (16 lb) bond to 90 g/m² (24 lb) bond	Up to 75 envelopes
Standard top bin	Paper		Up to 500 sheets of 75 g/m² (20 lb) bond
Rear bin	Paper		Up to 100 sheets of 75 g/m² (20 lb) bond
Optional duplexer	Paper	Range: 60 g/m² (16 lb) bond to 120 g/m² (32 lb) bond	
Optional stacker	Paper		Up to 500 sheets of 75 g/m² (20 lb) bond
Optional stapler/stacker	Paper		Stapling: Up to 20 print jobs of up to 15 pages each Stacking: Up to 500 sheets of 75 g/m² (20 lb) bond
Optional 5-bin mailbox	Paper		Up to 500 sheets of 75 g/m² (20 lb) bond

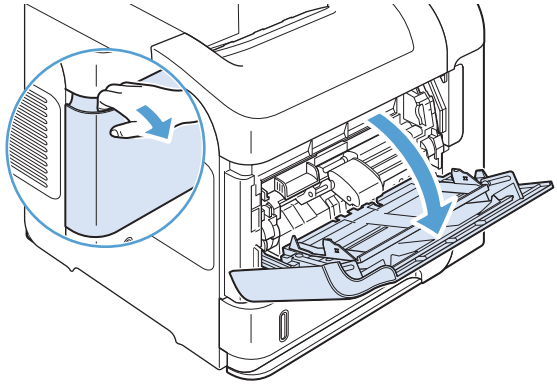
Load paper trays

Load Tray 1

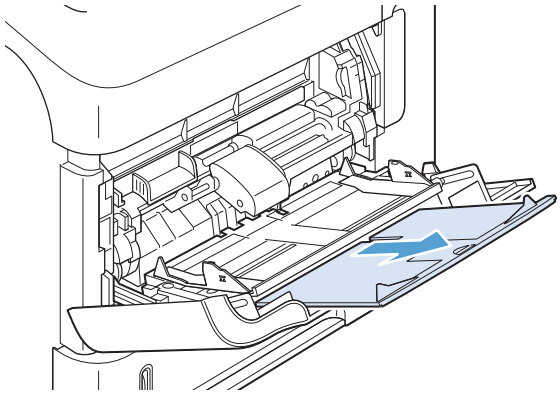
NOTE: The product might print at a slower speed when using Tray 1.

CAUTION: To avoid jams, do not load trays while the product is printing. Do not fan the paper. Fanning can cause misfeeds.

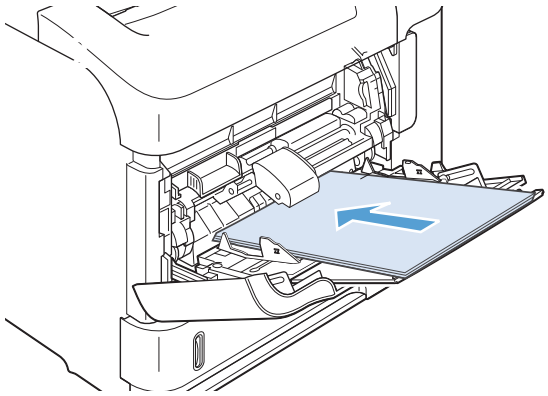
1. Open Tray 1.



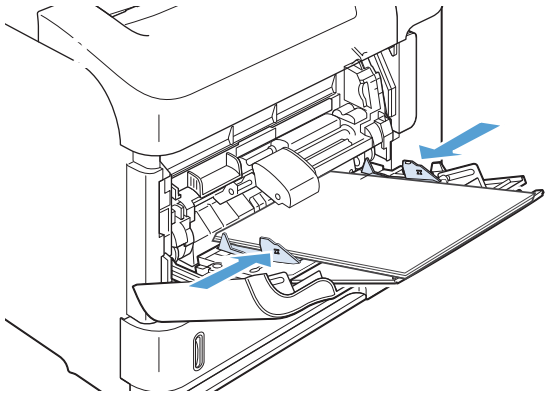
2. Pull out the tray extension.



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



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

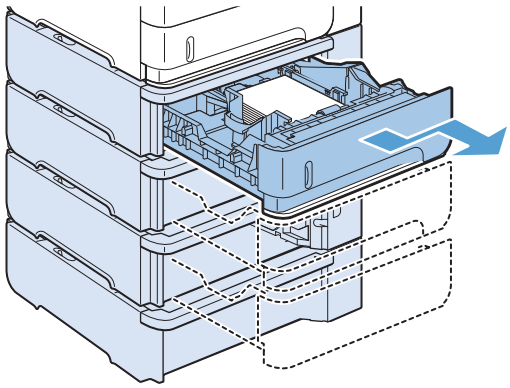


Load Tray 2 or an optional 500-sheet tray

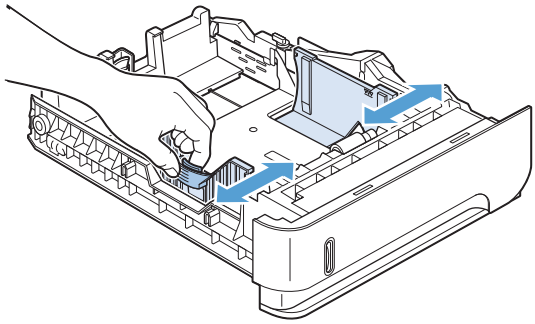
⚠ CAUTION: To avoid jams, do not load trays while the product is printing.

CAUTION: Do not fan the paper. Fanning can cause misfeeds.

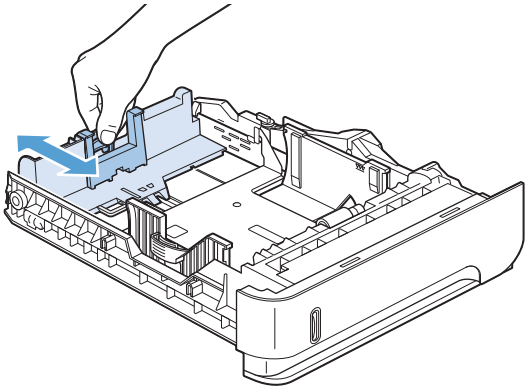
1. Pull the tray out and lift up slightly to remove it from the product.



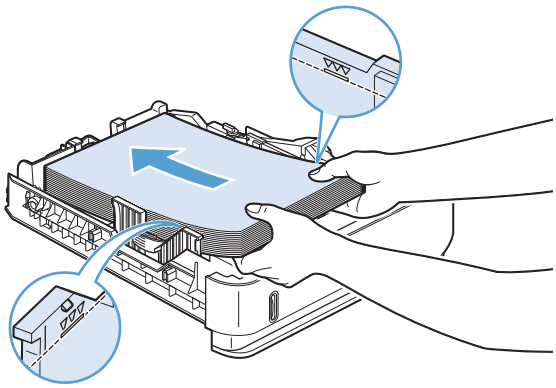
2. Pinch the release lever that is located on the left guide and slide the side guides to the correct paper size.



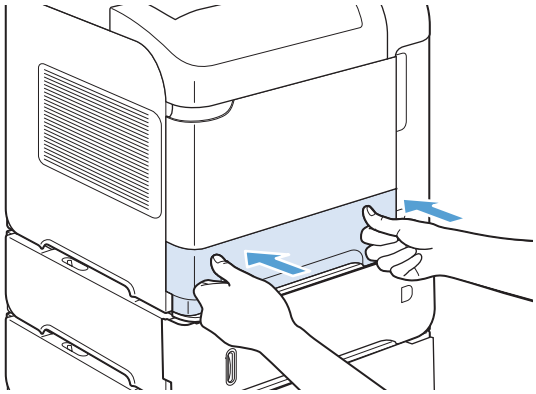
3. Pinch the release lever that is located on the rear paper guide and slide it to the correct paper size.



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. Slide the tray completely into the product.



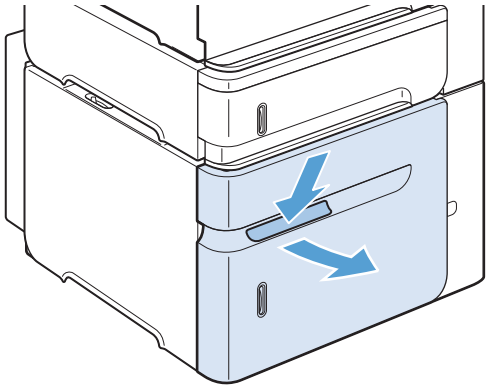
Load an optional 1,500-sheet tray

The optional 1,500 sheet tray adjusts for Letter, A4, and Legal sizes. The product automatically senses which size is loaded if the tray guides are correctly adjusted.

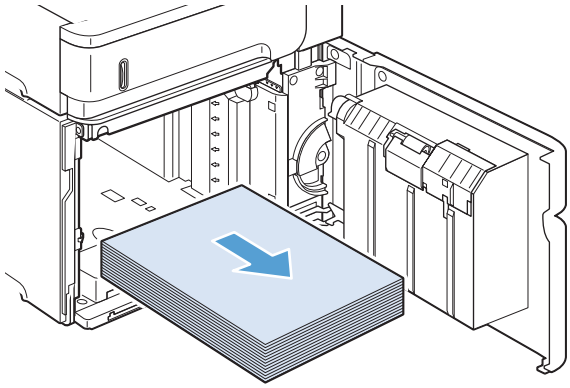
⚠ CAUTION: To avoid jams, do not load trays while the product is printing.

CAUTION: Do not fan the paper. Fanning can cause misfeeds.

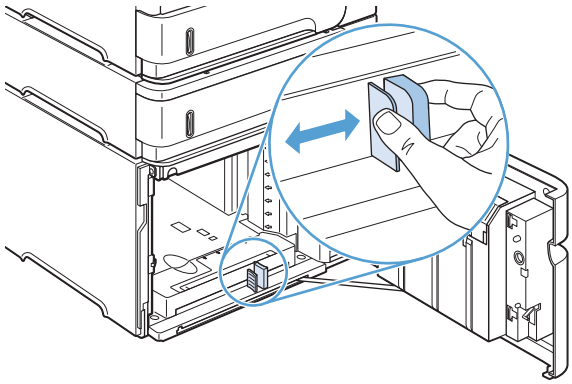
1. Press the release and open the door of the 1,500-sheet tray.



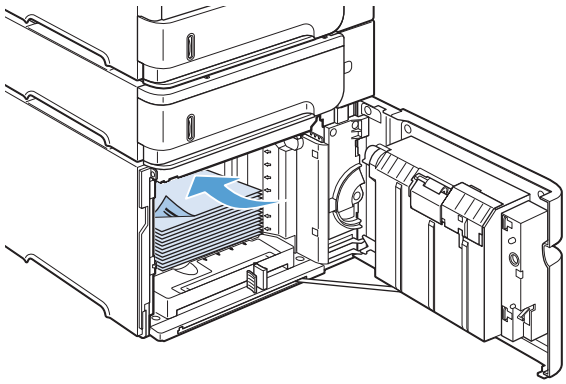
2. If paper is in the tray, remove it. When paper is in the tray, the guides cannot be adjusted.



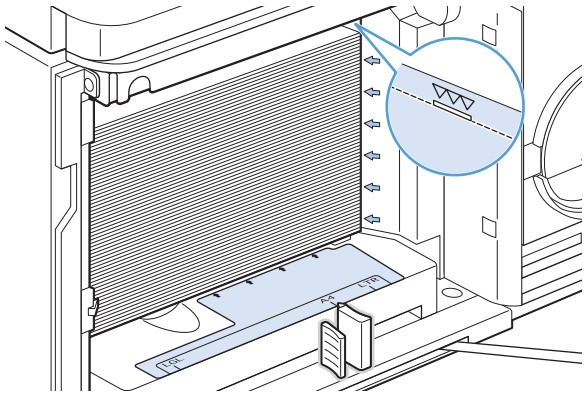
3. Pinch the guides at the front of the tray and slide them to the correct paper size.



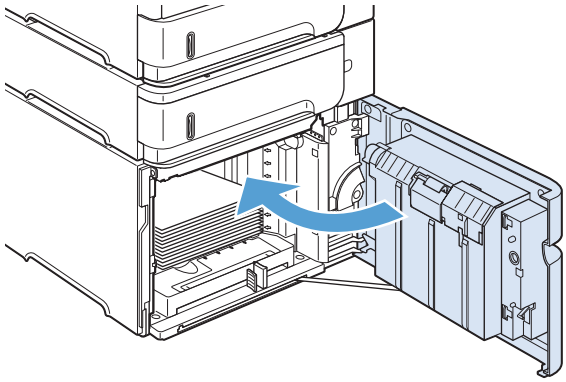
4. Load the paper into the tray. Load complete reams at one time. Do not divide reams into smaller sections.



5. Make sure that the height of the stack does not exceed the maximum-height indicators on the guides and that the front edge of the stack is aligned with the arrows.



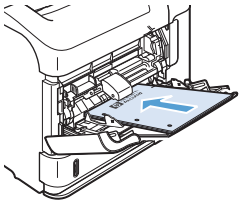
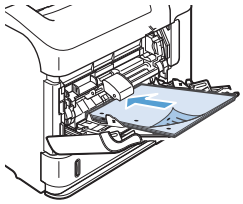
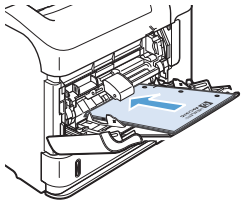
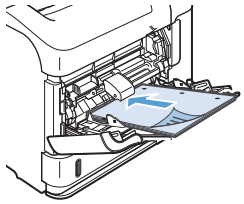
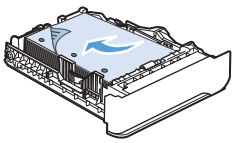
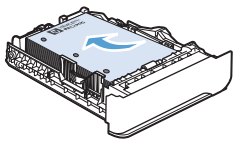
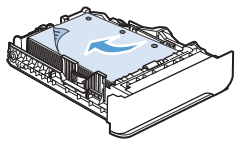
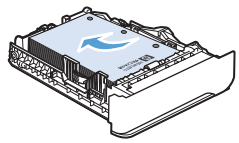
6. Close the door on the tray.



Paper orientation for loading trays

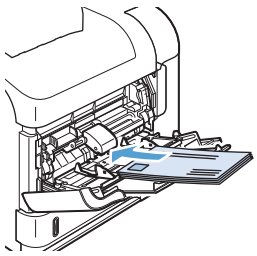
Load letterhead, preprinted, or prepunched paper

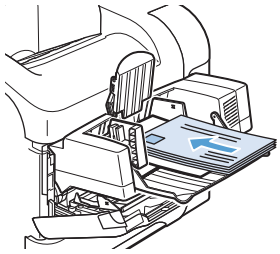
If a duplexer is installed, or if a stapler/stacker is installed, the product alters the way the images for each page are arranged. If you are using paper that requires a specific orientation, load it according to the information in the following table.

Tray	Single-sided printing, no stapler/stacker	Duplex printing, no stapler/stacker	Single-sided printing with the stapler/stacker	Duplex printing with the stapler/stacker
Tray 1	Face-up Top edge leading into the product 	Face-down Bottom edge leading into the product 	Face-up Bottom edge leading into the product 	Face-down Top edge leading into the product 
All other trays	Face-down Top edge at the front of the tray 	Face-up Bottom edge at the front of the tray 	Face-down Bottom edge at the front of the tray 	Face-up Top edge at the front of the tray 

Load envelopes

Load envelopes into Tray 1 or the optional envelope feeder with the front of the envelope facing up, and the short, postage-edge leading into the product.





Configure trays

The product automatically prompts you to configure a tray for type and size in the following situations:

- When you load paper into the tray
- When you specify a particular tray or paper type for a print job through the printer driver or a software program and the tray is not configured to match the print-job's settings

NOTE: The prompt does not appear if you are printing from Tray 1, and it is configured for the **Any Size** paper size and the **Any Type** paper type settings. In this situation, if the print job does not specify a tray, the product prints from Tray 1, even if the paper size and type settings in the print job do not match the paper loaded in Tray 1.

Configure a tray when loading paper

1. Load paper in the tray. Close the tray if you are using a tray other than Tray 1.
2. The tray configuration message appears.
3. Press the OK button to accept the detected size. Or, press the back arrow ⮌ to choose a different configuration, and continue with the following steps.
4. To modify the tray configuration, press the down arrow ▼ to highlight the correct size, and then press the OK button.

   NOTE: The product automatically detects most paper sizes in trays other than Tray 1.

5. Press the down arrow ▼ to highlight the correct type, and then press the OK button.

Configure a tray to match print job settings

1. In the software program, specify the source tray, the paper size, and the paper type.
2. Send the job to the product.

   If the tray needs to be configured, a prompt appears on the control-panel display.
3. If the displayed size is not correct, press the back arrow ⮌. Press the down arrow ▼ to highlight the correct size, or highlight the **Custom** option.

   To specify a custom size, first press the down arrow ▼ to highlight the correct unit of measure. Then set the X and Y dimensions by using the numeric keypad or by pressing the up arrow ▲ or the down arrow ▼.
4. If the displayed paper type is not correct, press the back arrow ⮌, and then press the down arrow ▼ to highlight the paper type.

Configure a tray from the control panel

You can also configure the trays for type and size without a prompt from the product.

1. Press the Home button.
2. Open the **Trays** menu.
3. Press the down arrow ▼ to highlight the size or type setting for the desired tray, and then press the OK button.

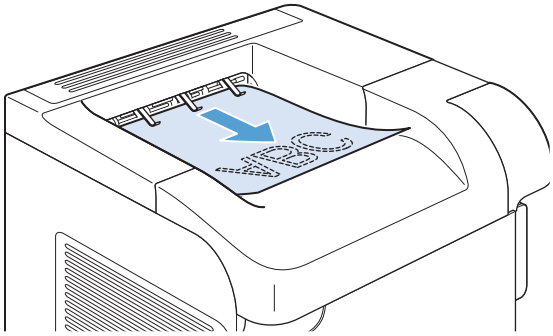
4. Press the up arrow ▲ or the down arrow ▼ to highlight the size or type. If you select a custom size, select the unit of measure, and then set the X dimension and the Y dimension.
5. Press the OK button to save your selection.

Select an output bin

The product has four output locations: the top (standard) output bin, the rear output bin, the optional stacker or stapler/stacker, and the optional 5-bin mailbox.

Print to the top (standard) output bin

The top output bin collects paper face-down, in the correct order. The top output bin should be used for most print jobs, including transparencies. To use the top output bin, be sure that the rear output bin is closed. To avoid jams, do not open or close the rear output bin while the product is printing.



Print to the rear output bin

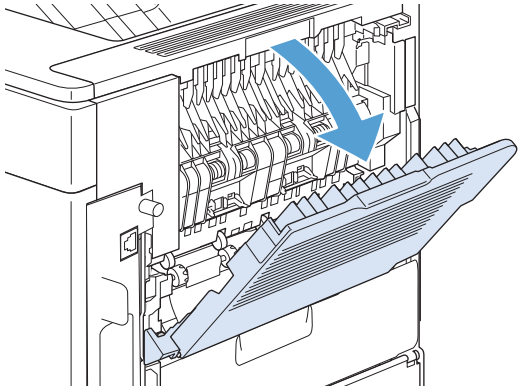
The product always prints to the rear output bin if it is open. Paper that is printed to this bin will exit face-up, with the last page on top (reverse order).

Printing from Tray 1 to the rear output bin provides the straightest path. Opening the rear output bin might improve performance with the following items:

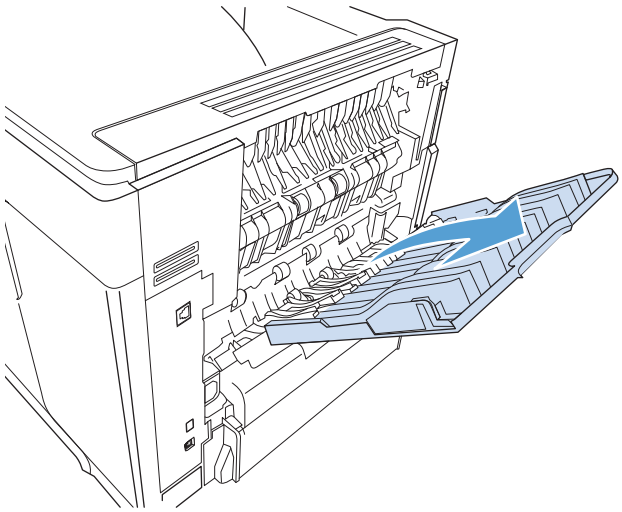
- Envelopes
- Labels
- Small custom-size paper
- Postcards
- Paper heavier than 120 g/m^2 (32 lb)

Opening the rear output bin makes the duplexer (if installed) and the top output bin unavailable. To avoid jams, do not open or close the rear output bin while the product is printing.

1. To open the rear output bin, grasp the handle at the top of the bin, and pull the bin down.



2. Slide out the extension.



Print to the optional stacker or stapler/stacker

The optional stacker or optional stapler/stacker can hold up to 500 sheets of paper (20-lb paper). The stacker accepts standard and custom paper sizes. The stapler/stacker accepts standard and custom paper sizes, but only Letter, Legal, and A4 sizes can be stapled. Do not try to send other types of print media, such as labels or envelopes.

NOTE: When a stapler/stacker is installed, the product automatically rotates the printed images 180° on all paper sizes, regardless of whether the job is stapled. Paper types that must be printed in the correct orientation, such as letterhead or prepunched paper, need to be loaded in a different direction.

To print to the optional stacker or optional stapler/stacker, select the option in the program, in the printer driver, or at the printer control panel.

Before you use the optional stacker or optional stapler/stacker, ensure that the printer driver is set to recognize it. You need to set this setting only once.

Windows

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

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

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

Windows 7: Click **Start**, and then click **Devices and Printers**.

2. Right-click the driver icon, and then select **Properties** or **Printer properties**.
3. Click the **Device Settings** tab.
4. In the **Installable Options** area, set the **Automatic Configuration** item to **Update Now**.

Mac

1. From the Apple menu , click the **System Preferences** menu and then click the **Print & Fax** icon.
2. Select the product in the left side of the window.
3. Click the **Options & Supplies** button.
4. Click the **Driver** tab.
5. Configure the installed options.

Print to the 5-bin mailbox

The optional 5-bin mailbox provides five output bins that can be configured from the control panel to sort print jobs in a variety of ways.

1. Press the Home button.
2. Open the following menus:
   - **Administration**
   - **Multi-Bin Mailbox Settings**
   - **Operation Mode**
3. Press the down arrow ▼ to highlight how the 5-bin mailbox sorts jobs:

Mailbox	Each bin is assigned to a user or group of users. This is the default setting.
Stacker	The product uses all of the bins to stack copies of a job. Jobs are sent to the bottom bin first, and then to the next highest bin, and so forth. When all bins are full, the product stops.
Job Separator	Each print job is sent to a different bin. Jobs are sent to an empty bin, starting with the top bin and continuing to the bottom bin.
Collator	The product sorts copies of a single print job into separate bins.

4. Press the OK button to select the option.

7 Print cartridges

The information contained herein is subject to change without notice. For the latest User Guide information go to www.hp.com/support/lj600Series_manuals.

- Print cartridge information
- Supplies views
- Manage print cartridges
- Replacement instructions
- Solve problems with print cartridges

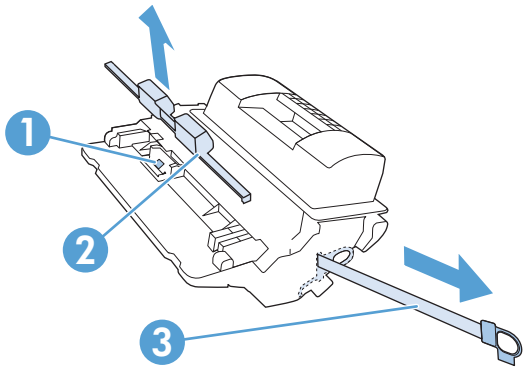
Print cartridge information

Feature	Description
Part numbers	• Standard-capacity print cartridge: CE390A • High-capacity print cartridge: CE390X
Accessibility	• The print cartridge can be installed and removed by using one hand.
Environmental features	• Recycle print cartridges by using the HP Planet Partners return and recycling program.

For more information about supplies, go to www.hp.com/go/learnaboutsupplies.

Supplies views

Print cartridge views



1	Print cartridge memory chip
2	Plastic shield
3	Sealing tape

Manage print cartridges

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

Change settings for print cartridges

Print when a print cartridge is at estimated end of life

- **Black cartridge low** message: The product indicates when a supply level is low. Actual print cartridge life remaining may vary. Consider having a replacement available to install when print quality is no longer acceptable. The supply 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 very low** message: The product indicates when a supply level is very low. Actual supply life remaining may vary. Consider having a replacement available to install when print quality is no longer acceptable. The supply does not need to be replaced now unless the print quality is no longer acceptable. Print-quality problems may occur when using a supply that is at its estimated end of life.

  Once an HP print cartridge has reached “Very Low”, HP’s Premium Protection Warranty on that print cartridge has ended. HP's Premium Protection Warranty applies only to the print cartridge for this product.

Enable or disable the Very Low Settings options from the control panel

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 cartridge.

1. At the product control panel, press the Home button.
2. Open the following menus:
   - **Administration**
   - **Manage Supplies**
   - **Supply Settings**
   - **Black Cartridge**
   - **Very Low Settings**
3. Select one of the following options:
   - Select the **Continue** option to set the product to alert you that the cartridge is very low, but to continue printing.

     NOTE: Using the **Continue** setting allows printing beyond Very Low without customer interaction and can result in unsatisfactory print quality.

   - Select the **Stop** option to set the product to stop printing until you replace the cartridge.
   - Select the **Prompt to continue** option to set the product to stop printing and prompt you to replace the cartridge. You can acknowledge the prompt and continue printing.

If you select the **Stop** or **Prompt to continue** option, the product stops printing when it reaches the Very Low threshold. When you replace the cartridge, the product automatically resumes printing.

Print with EconoMode

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

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

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

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

Store and recycle supplies

Recycle supplies

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

Print-cartridge storage

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

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

HP policy on non-HP print cartridges

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

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

HP anticounterfeit Web site

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

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

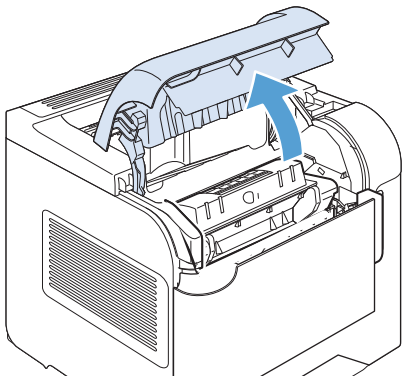
- The supplies status page indicates that a non-HP supply is installed.
- You are experiencing a high number of problems with the print cartridge.
- The cartridge does not look like it usually does (for example, the packaging differs from HP packaging).

Replacement instructions

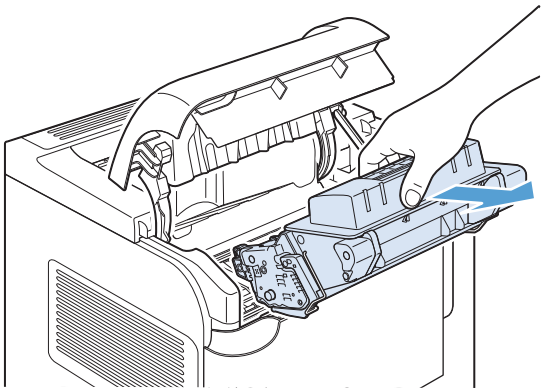
Replace the print cartridge

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.

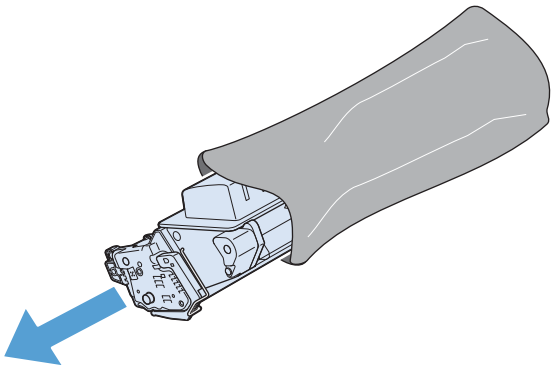
1. Open the top cover.



2. Remove the used print cartridge from the product.



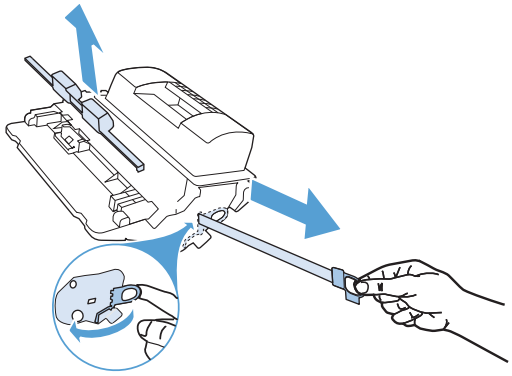
3. Remove the new print cartridge from the bag. Place the used print cartridge in the bag for recycling.



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

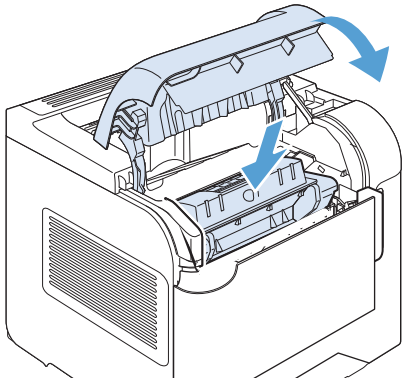
   CAUTION: Do not touch the shutter or the surface of the roller.

5. Remove the shipping lock and the shipping tape from the new print cartridge. Discard the lock and tape according to local regulations.



6. Align the print cartridge with the tracks inside the product, insert the print cartridge until it is firmly seated, and then close the top cover.

   After a short time, the control panel should display the **Ready** message.

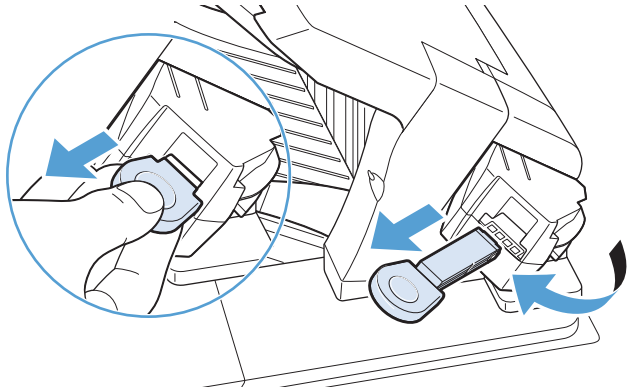


7. Installation is complete. Place the used print cartridge in the box in which the new cartridge arrived. See the enclosed recycling guide for recycling instructions.
8. If you are using a non-HP print cartridge, check the product control panel for further instructions.

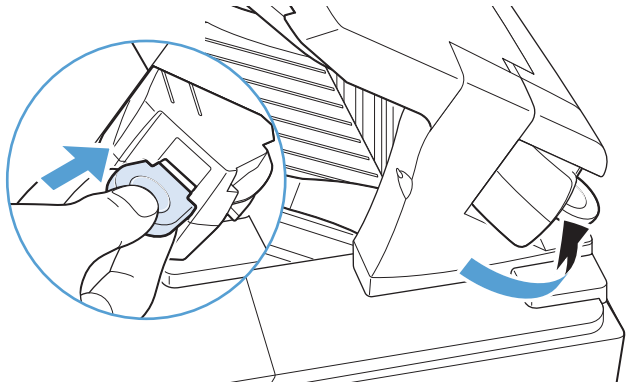
Replace staples

Replace staples if the product control-panel display prompts you with a message. If the stapler runs out of staples, jobs continue to print to the stapler/stacker, but they are not stapled.

1. On the right side of the stapler/stacker, turn the stapler unit toward the front of the product until the unit clicks into the open position. Grasp the blue staple-cartridge handle and pull the cartridge out of the stapler unit.



2. Insert the new staple cartridge into the stapler unit and rotate the stapler unit toward the rear of the product until the unit snaps into place.



Perform preventive maintenance

To ensure optimum performance from the product, replace certain parts when the **Replace Maintenance Kit** message appears on the control-panel display.

The kit includes the following items:

- Fuser
- Transfer roller
- Plastic tool for removing the old transfer roller
- Eight feed rollers and four pickup rollers
- Installation instructions

NOTE: The maintenance kit is a consumable item and is not covered under the original product warranty or under most extended warranties. Installing the maintenance kit is the customer's responsibility.

After a maintenance kit is installed, the maintenance-kit counter must be reset.

Reset the maintenance-kit counter

NOTE: Perform this procedure only after a maintenance kit has been installed. Do not use this procedure to temporarily clear the **Replace Maintenance Kit** message.

1. At the product control panel, press the Home button.
2. Open the following menus:
   - **Administration**
   - **Manage Supplies**
   - **Reset Supplies**
   - **New Maintenance Kit**
3. Select the **Yes** option to reset the maintenance-kit counter.

Solve problems with print cartridges

Check the print cartridges

Check the print cartridge, and replace it if necessary, if you are having any of the following problems:

- The printing is too light or seems faded in areas.
- Printed pages have small unprinted areas.
- Printed pages have streaks or bands.

NOTE: If you are using a draft or EconoMode print setting, the printing might appear light.

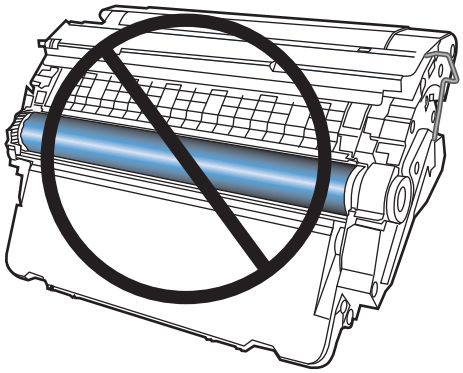
If you determine that you need to replace a print cartridge, print the supplies status page to find the part number for the correct genuine HP print cartridge.

Type of print cartridge	Steps to resolve the problem
Refilled or remanufactured print cartridge	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 print cartridge and are not satisfied with the print quality, replace the cartridge with a genuine HP cartridge.
Genuine HP print cartridge	1. The product control panel or the supplies status page indicates **Very Low** status when the cartridge has reached the end of its designated life. Replace the print cartridge if print quality is no longer acceptable. 2. Visually inspect the print cartridge for damage. See the instructions that follow. Replace the print cartridge if necessary. 3. If printed pages have marks that repeat several times at the same distance apart, print a cleaning page. If this does not solve the problem, use the repeating defects information in this document to identify the cause of the problem.

Inspect the print cartridge for damage

1. Remove the print 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 green imaging drum on the bottom of the print cartridge.

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

Repeating defects

If defects repeat at any of the following approximate intervals on the page, the print cartridge might be damaged.

- 37 mm
- 63 mm
- 94 mm

Print the Supplies Status page

The **Supplies Status** page indicates the estimated life remaining in print cartridges. It also lists the part number for the correct genuine HP print cartridge for your product so you can order a replacement print cartridge, as well as other useful information.

1. At the product control panel, press the Home button.
2. Open the following menus:
   - **Administration**
   - **Reports**
   - **Configuration/Status Pages**
3. Select the **Supplies Status Page** option, and then press the OK button to print the report.

Interpret control panel messages for supplies

Table 7-1 Supplies status messages

Control panel message	Description	Recommended action
10.0X.Y0 Supply memory error	The product cannot read or write to the print cartridge memory chip or the memory chip is missing from the print cartridge.	Reinstall the print cartridge, or install a new print cartridge.
Black cartridge low	The product indicates when a supply level is low. Actual print cartridge life might vary. You do not need to replace the print cartridge at this time unless print quality is no longer acceptable.	If print quality is no longer acceptable, replace the print cartridge. Consider purchasing a replacement cartridge so it is available when the installed cartridge has reached the end of its estimated life.
Black cartridge very low	The product indicates when a supply level is very low. Actual print cartridge life might vary. You do not need to replace the print cartridge at this time unless print quality is no longer acceptable. After an HP supply has reached the very low threshold, the HP Premium Protection Warranty for that supply has ended.	If print quality is no longer acceptable, replace the print cartridge.
Incompatible <supply>	The indicated supply is not compatible with this product.	Replace the supply with one that is designed for this product.
Incompatible supplies	Supply items are installed that were not designed for this product. The product cannot print with these supplies installed.	Press the down arrow ▼ button to identify the incompatible supplies. Install supplies that are designed for this product.
Maintenance Kit low	The maintenance kit is low. The actual supply life remaining might vary. Consider having a replacement maintenance kit available to install when print quality is no longer acceptable. You do not need to replace the maintenance kit at this time unless print quality is no longer acceptable.	If print quality is no longer acceptable, replace the maintenance kit. Instructions are included with the maintenance kit.
Maintenance Kit very low	The maintenance kit is very low. The actual supply life remaining might vary. You do not need to replace the maintenance kit at this time unless print quality is no longer acceptable. After an HP supply has reached the very low threshold, the HP Premium Protection Warranty for that supply has ended.	If print quality is no longer acceptable, replace the maintenance kit. Instructions are included with the maintenance kit.
Replace <supply>	The product indicates when a supply level is at its estimated end of life. The actual life remaining might be different than the estimation. Have a replacement supply available to install when print quality is no longer acceptable. The supply does not need to be replaced now unless the print quality is no longer acceptable. After an HP supply has reached its approximated end of life, HP's Premium Protection Warranty on that supply ends.	Replace the specified supply. Or, configure the product to continue printing by using the **Manage Supplies** menu.

Table 7-1 Supplies status messages (continued)

Control panel message	Description	Recommended action
Replace supplies	Two or more supplies are at the estimated end of life. The actual life remaining might be different than the estimation. Consider having replacement supplies available to install when print quality is no longer acceptable. The supply does not need to be replaced now unless the print quality is no longer acceptable. After an HP supply has reached its approximated end of life, HP's Premium Protection Warranty on that supply ends.	Press the down arrow ▼ button to see which supplies need to be replaced. Or, configure the product to continue printing by using the **Manage Supplies** menu.
Supplies low	This message appears when at least two supplies have reached the low threshold. The actual supply life remaining might vary. Press the down arrow ▼ button to see which supplies are low. You do not need to replace the supplies at this time unless print quality is no longer acceptable. After an HP supply has reached the very low threshold, the HP Premium Protection Warranty for that supply has ended.	To continue printing, either replace the supply or reconfigure the product by using the **Manage Supplies** menu on the control panel.
Supplies very low	This message appears when at least two supplies have reached the very low threshold. Press the down arrow ▼ button to see which supplies are low. The actual supply life remaining might vary. You do not need to replace the supplies at this time unless print quality is no longer acceptable. After an HP supply has reached the very low threshold, the HP Premium Protection Warranty for that supply has ended.	To continue printing, either replace the supply or reconfigure the product by using the **Manage Supplies** menu on the control panel.
Unsupported supply installed	The print cartridge is for a different HP product.	If print quality is no longer acceptable, replace the print cartridge.
Used supply in use	The print cartridge has been previously used.	If you believe you purchased a genuine HP supply, go to www.hp.com/go/anticounterfeit.

8 Print tasks

- Cancel a print job with Windows
- Basic print tasks with Windows
- Use HP ePrint
- Additional print tasks with Windows
- Walk-up USB printing

Cancel a print job with Windows

NOTE: If the print job is too far into the printing process, you might not have the option to cancel it.

1. If the print job is currently printing, cancel it by following this procedure:

   a. Press the Stop button on the product control panel.

   b. The product prompts you to confirm the cancellation. Press the OK button.

2. You can also cancel a print job from a software program or a print queue.

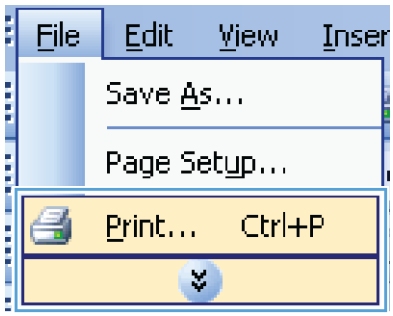
   - **Software program:** Typically, a dialog box appears briefly on the computer screen, allowing you to cancel the print job.
   - **Windows print queue:** If a print job is waiting in a print queue (computer memory) or print spooler, delete the job there.
     - **Windows XP, Server 2003, or Server 2008:** Click **Start**, click **Settings**, and then click **Printers and Faxes**. Double-click the product icon to open the window, right-click the print job that you want to cancel, and then click **Cancel**.
     - **Windows Vista:** Click **Start**, click **Control Panel**, and then, under **Hardware and Sound**, click **Printer**. Double-click the product icon to open the window, right-click the print job that you want to cancel, and then click **Cancel**.
     - **Windows 7:** Click **Start**, and then click **Devices and Printers**. Double-click the product icon to open the window, right-click the print job that you want to cancel, and then click **Cancel**.

Basic print tasks with Windows

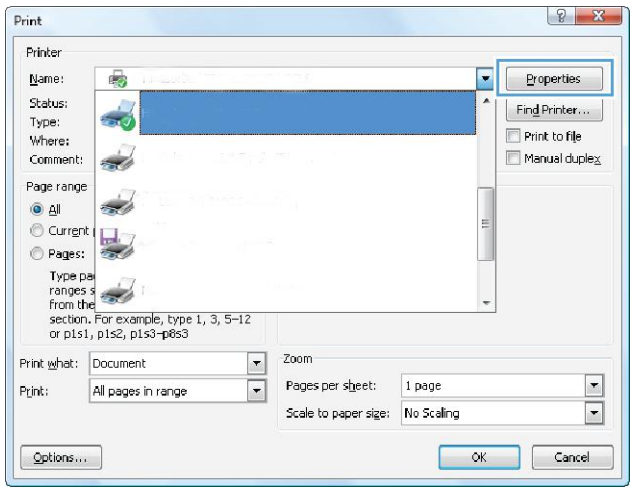
The methods to open the print dialog from software programs can vary. The procedures that follow include a typical method. Some software programs do not have a **File** menu. See the documentation for your software program to learn how to open the print dialog.

Open the printer driver with Windows

1. On the **File** menu in the software program, click **Print**.

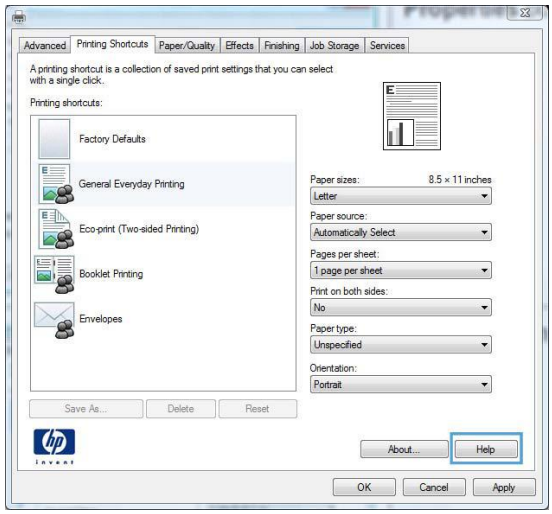


2. Select the product, and then click the **Properties** or **Preferences** button.



Get help for any printing option with Windows

1. Click the **Help** button to open the online Help.



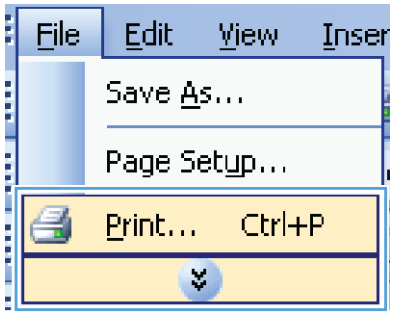
Change the number of print copies with Windows

1. On the **File** menu in the software program, click **Print**.
2. Select the product, and then select the number of copies.

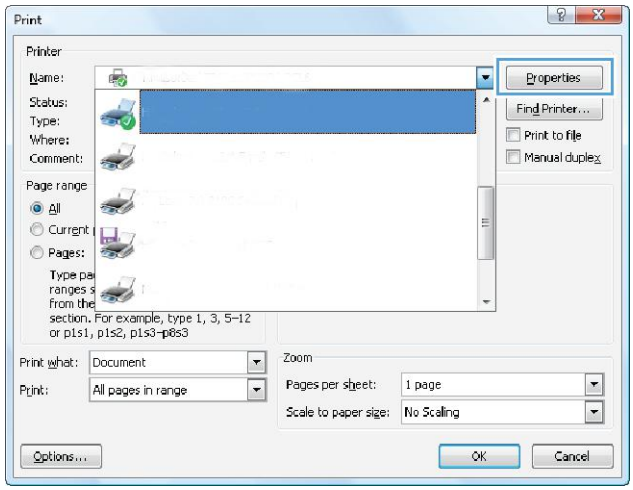
Save custom print settings for reuse with Windows

Use a printing shortcut with Windows

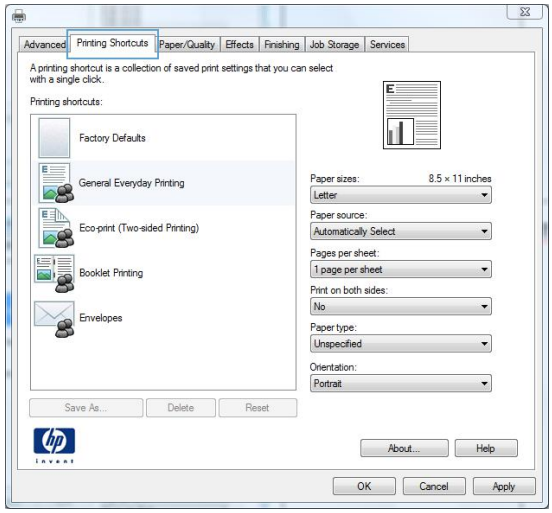
1. On the **File** menu in the software program, click **Print**.



2. Select the product, and then click the **Properties** or **Preferences** button.

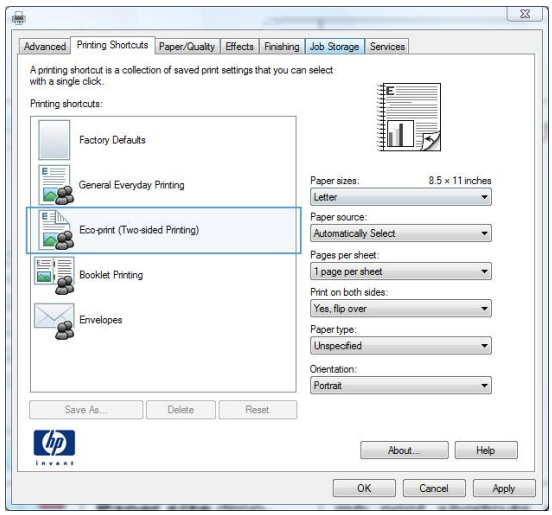


3. Click the **Printing Shortcuts** tab.



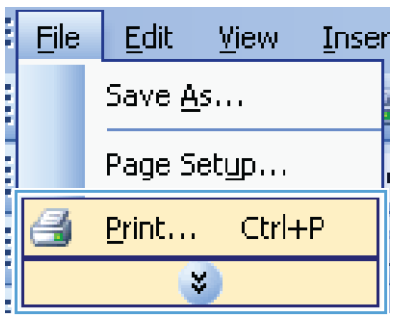
4. Select one of the shortcuts, and then click the **OK** button.

   NOTE: When you select a shortcut, the corresponding settings change on the other tabs in the printer driver.

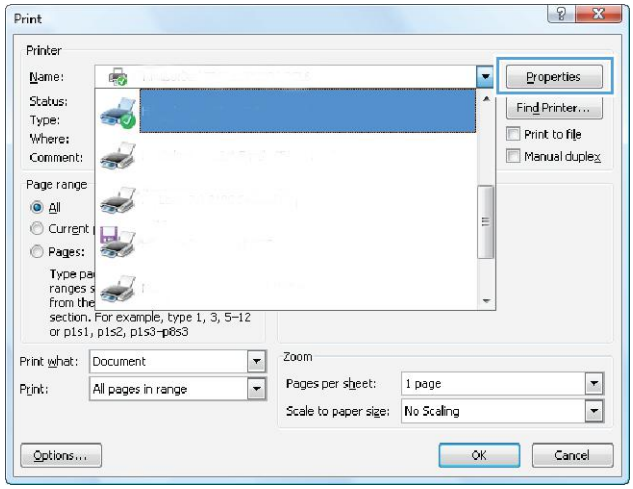


Create printing shortcuts

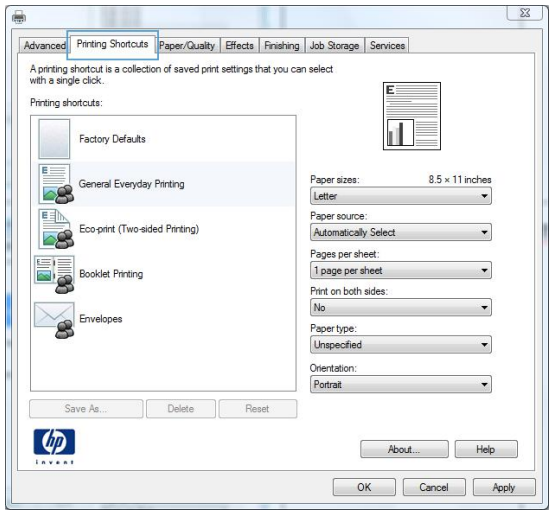
1. On the **File** menu in the software program, click **Print**.



2. Select the product, and then click the **Properties** or **Preferences** button.

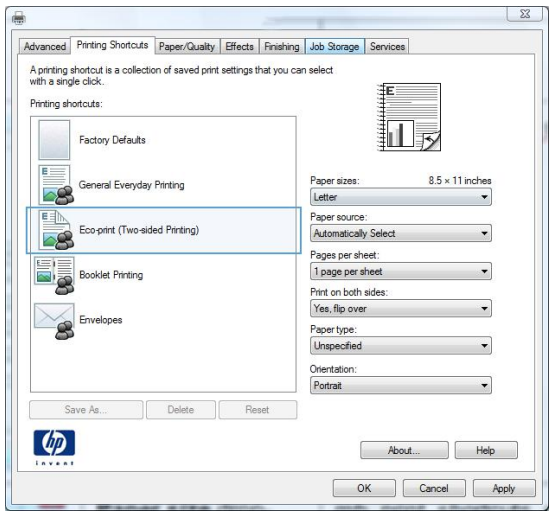


3. Click the **Printing Shortcuts** tab.

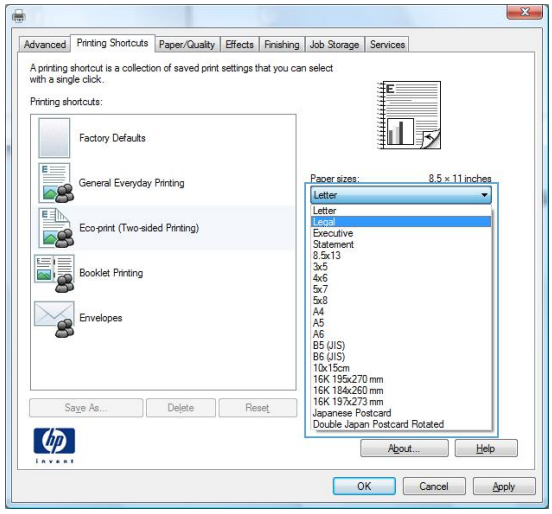


4. Select an existing shortcut as a base.

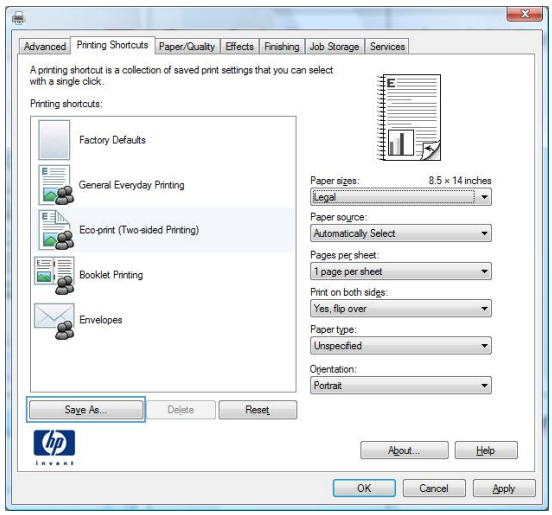
   NOTE: Always select a shortcut before adjusting any of the settings on the right side of the screen. If you adjust the settings and then select a shortcut, all your adjustments are lost.



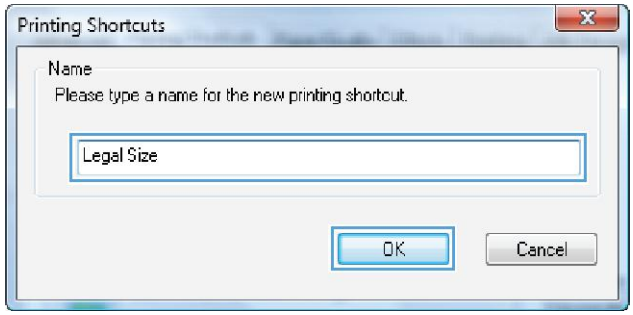
5. Select the print options for the new shortcut.



6. Click the **Save As** button.



7. Type a name for the shortcut, and click the **OK** button.



Improve print quality with Windows

Select the page size with Windows

1. On the **File** menu in the software program, click **Print**.
2. Select the product, and then click the **Properties** or **Preferences** button.
3. Click the **Paper/Quality** tab.
4. Select a size from the **Paper size** drop-down list.

Select a custom page size with Windows

1. On the **File** menu in the software program, click **Print**.
2. Select the product, and then click the **Properties** or **Preferences** button.
3. Click the **Paper/Quality** tab.
4. Click the **Custom** button.
5. Type a name for the custom size, specify the dimensions, and click the **OK** button.

Select the paper type with Windows

1. On the **File** menu in the software program, click **Print**.
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, and then click the paper type that you are using.

Select the paper tray with Windows

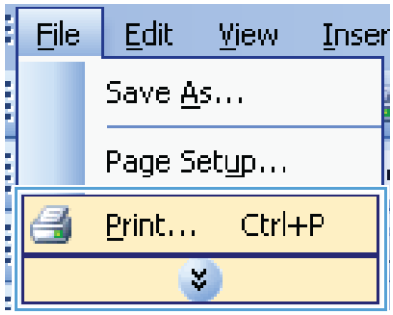
1. On the **File** menu in the software program, click **Print**.
2. Select the product, and then click the **Properties** or **Preferences** button.
3. Click the **Paper/Quality** tab.
4. Select a tray from the **Paper source** drop-down list.

Print on both sides (duplex) with Windows

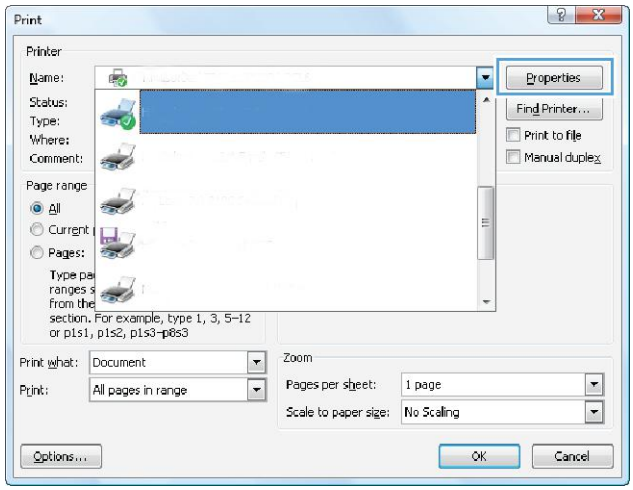
Manually print on both sides with Windows

NOTE: This information applies only to products that do not have an automatic duplexer.

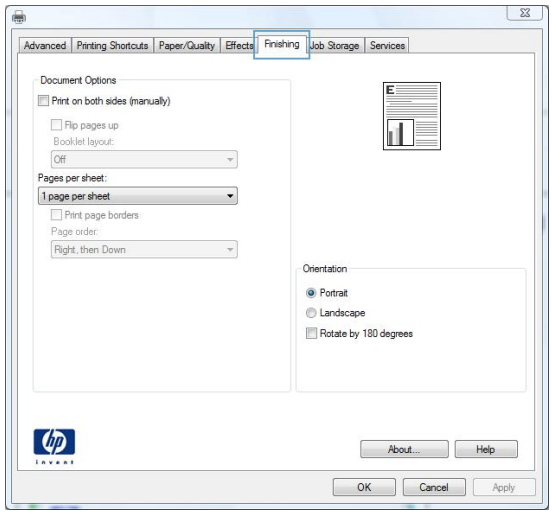
1. On the **File** menu in the software program, click **Print**.



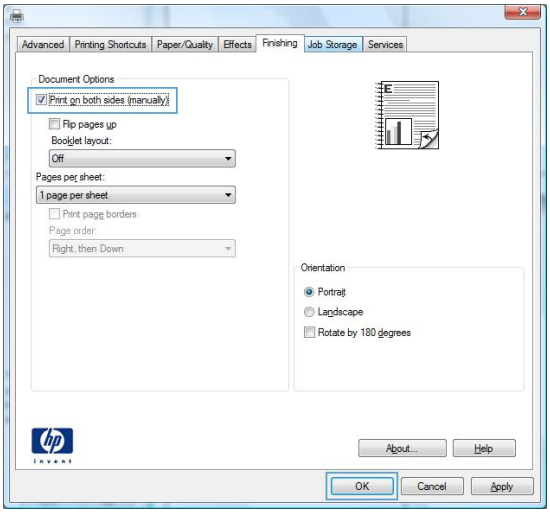
2. Select the product, and then click the **Properties** or **Preferences** button.



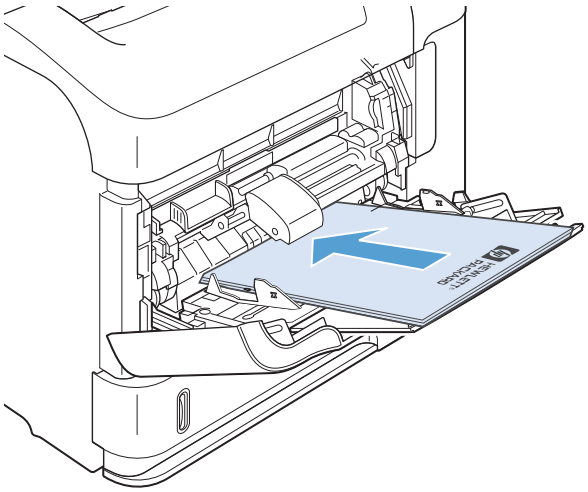
3. Click the **Finishing** tab.



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 up in Tray 1.

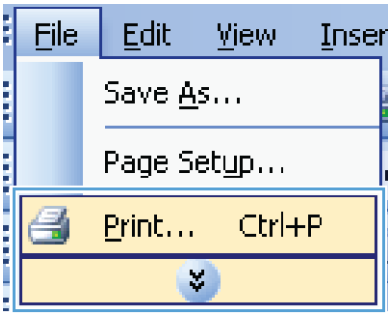


6. On the control panel, press the OK button to print the second side of the job.

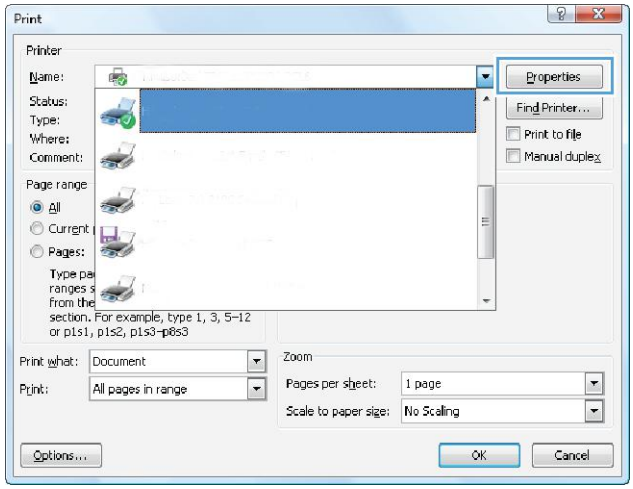
Automatically print on both sides with Windows

NOTE: This information applies only to products that have an automatic duplexer.

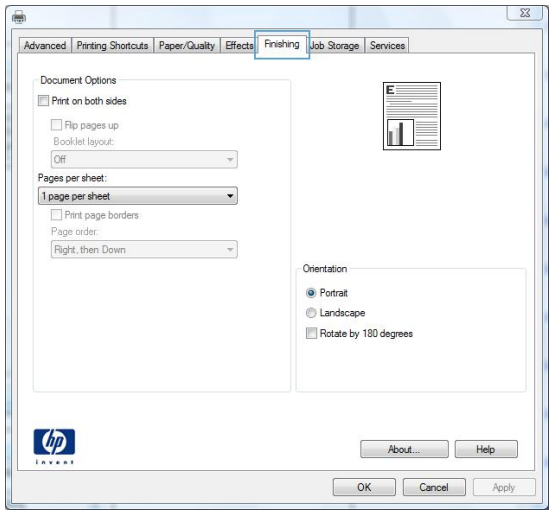
1. On the **File** menu in the software program, click **Print**.



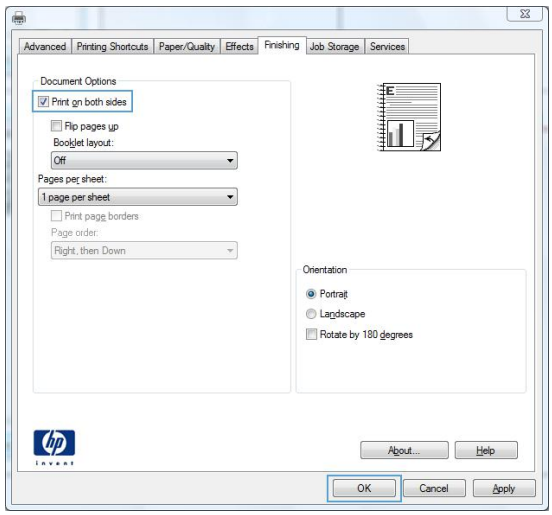
2. Select the product, and then click the **Properties** or **Preferences** button.



3. Click the **Finishing** tab.

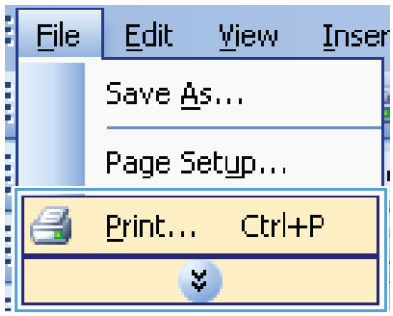


4. Select the **Print on both sides** check box. Click the **OK** button to print the job.

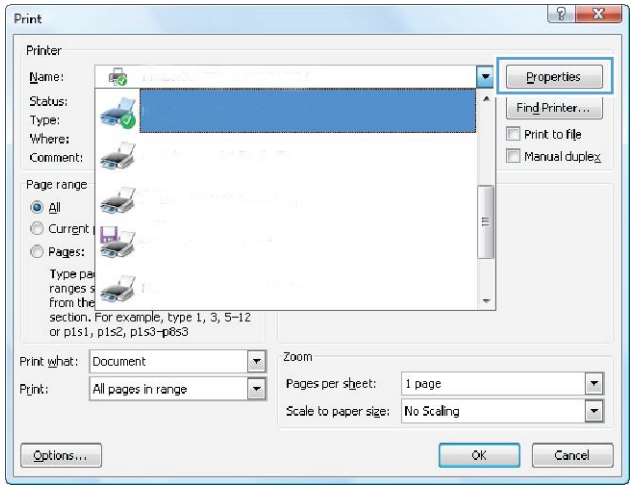


Print multiple pages per sheet with Windows

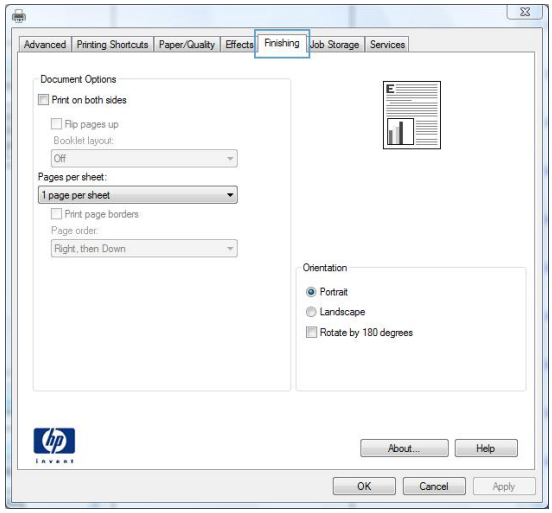
1. On the **File** menu in the software program, click **Print**.



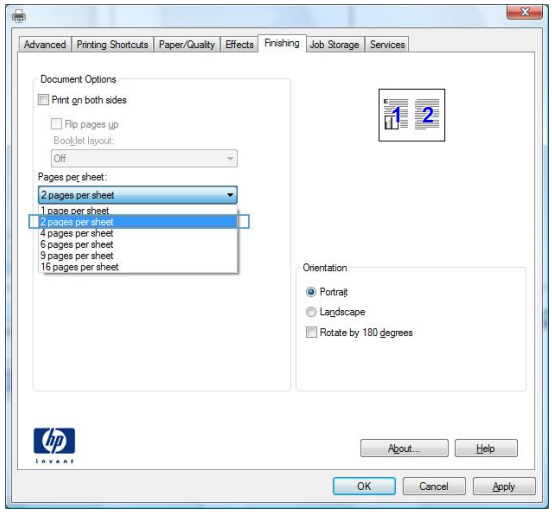
2. Select the product, and then click the **Properties** or **Preferences** button.



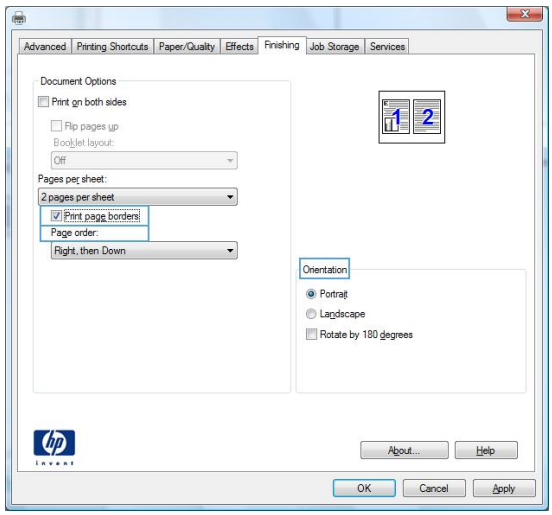
3. Click the **Finishing** tab.



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

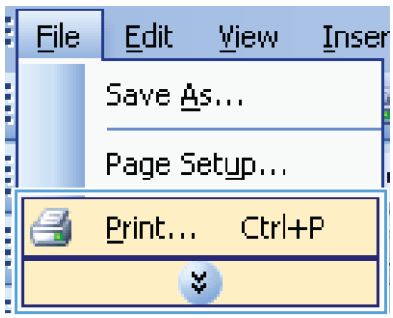


5. Select the correct **Print page borders**, **Page order**, and **Orientation** options.

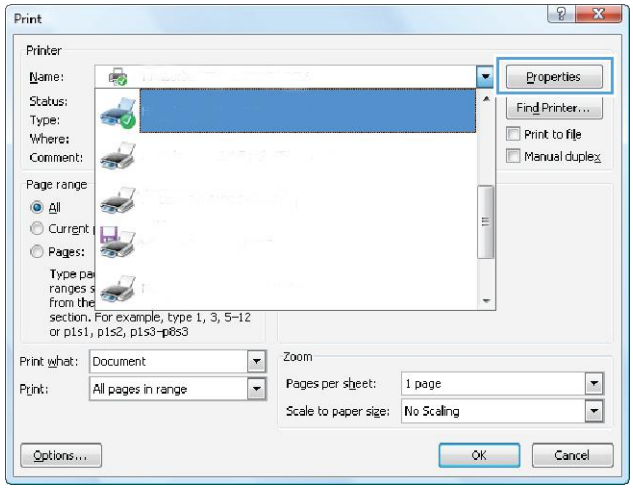


Select page orientation with Windows

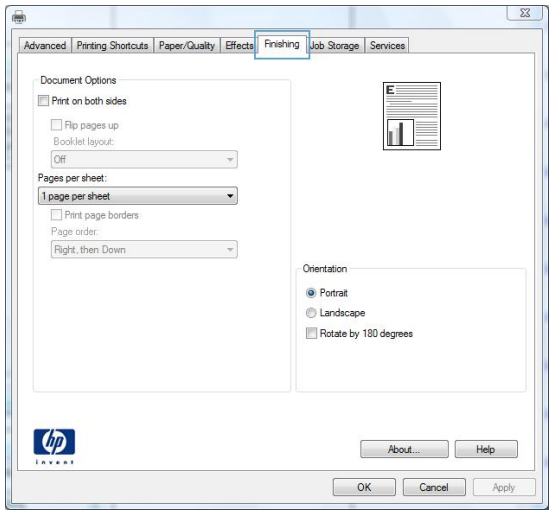
1. On the **File** menu in the software program, click **Print**.



2. Select the product, and then click the **Properties** or **Preferences** button.

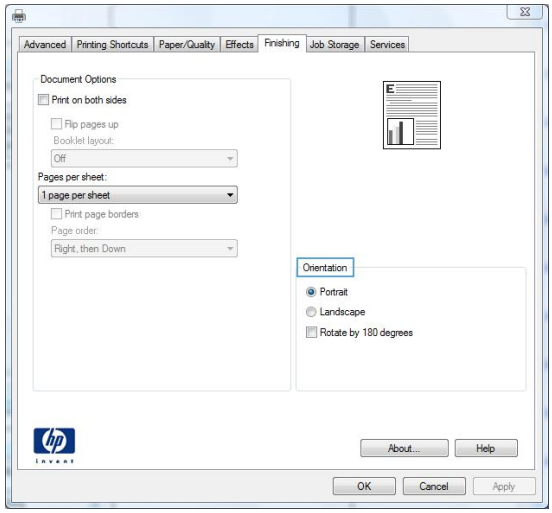


3. Click the **Finishing** tab.



4. In the **Orientation** area, select the **Portrait** or **Landscape** option.

   To print the page image upside down, select the **Rotate by 180 degrees** option.



Use HP ePrint

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

NOTE: The product must be connected to a network and have Internet access to use HP ePrint.

1. To use HP ePrint, you must first enable HP Web Services.
   a. Type the product IP address into the address line of a Web browser to open the HP Embedded Web Server.
   b. Click the **Web Services** tab.
   c. Select the option to enable Web Services.
2. Use the HP ePrintCenter Web site to define security settings and to configure default print settings for all HP ePrint jobs sent to this product.
   a. Go to www.hpeprintcenter.com.
   b. Click **Sign In**, and enter your HP ePrintCenter credentials or sign up for a new account.
   c. Select your product from the list, or click **+ Add printer** to add it. To add the product, you need the printer code, which is the segment of the product e-mail address that is before the @ symbol.

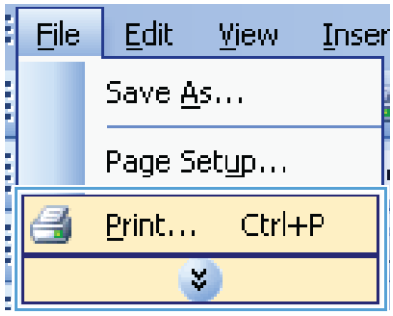
      NOTE: This code is valid for only 24 hours from the time you enable HP Web Services. If it expires, follow the instructions to enable HP Web Services again, and obtain a new code.

   d. To prevent your product from printing unexpected documents, click **ePrint Settings**, and then click the **Allowed Senders** tab. Click **Allowed Senders Only**, and add the e-mail addresses from which you want to allow ePrint jobs.
   e. To set up default settings for all ePrint jobs sent to this product, click **ePrint Settings**, click **Print Options**, and select the settings that you want to use.
3. To print a document, attach it to an e-mail message sent to the product's e-mail address.

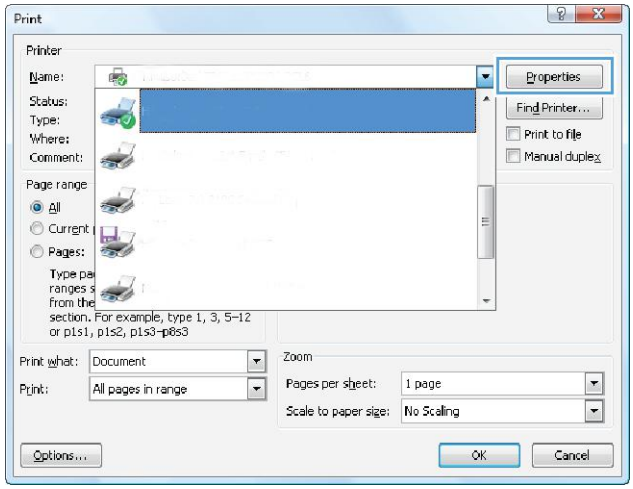
Additional print tasks with Windows

Print on preprinted letterhead or forms with Windows

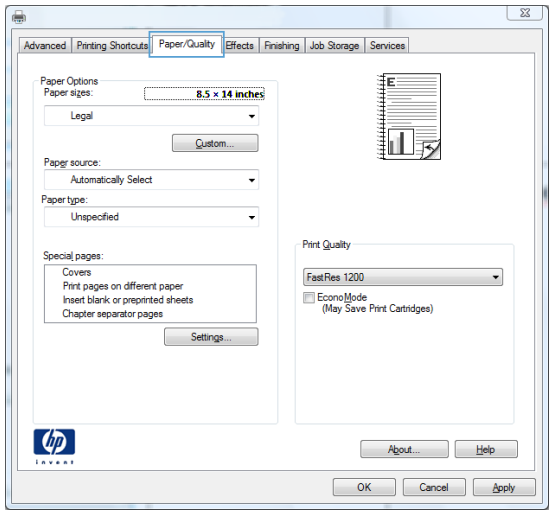
1. On the **File** menu in the software program, click **Print**.



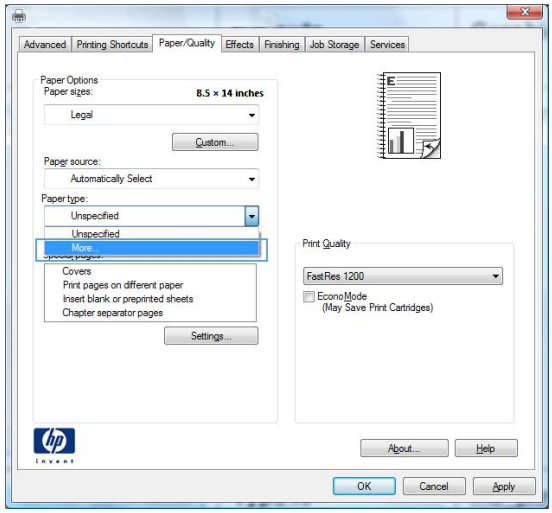
2. Select the product, and then click the **Properties** or **Preferences** button.



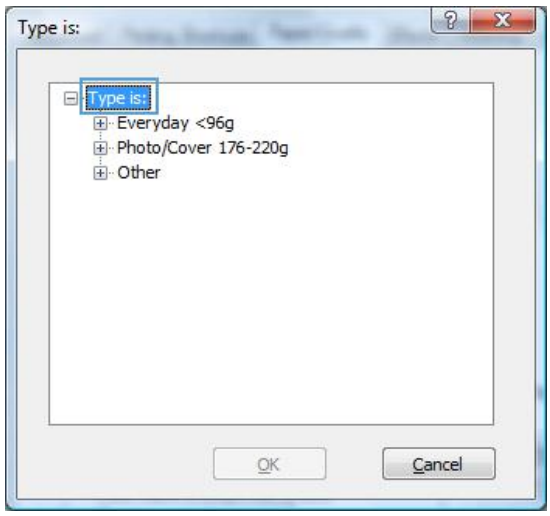
3. Click the **Paper/Quality** tab.



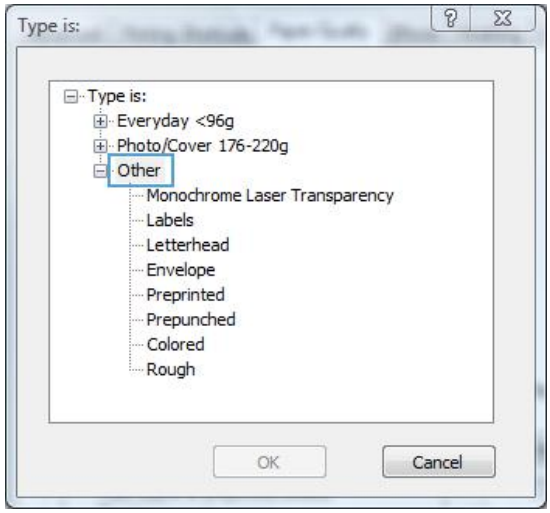
4. From the **Paper type** drop-down list, click the **More...** option.



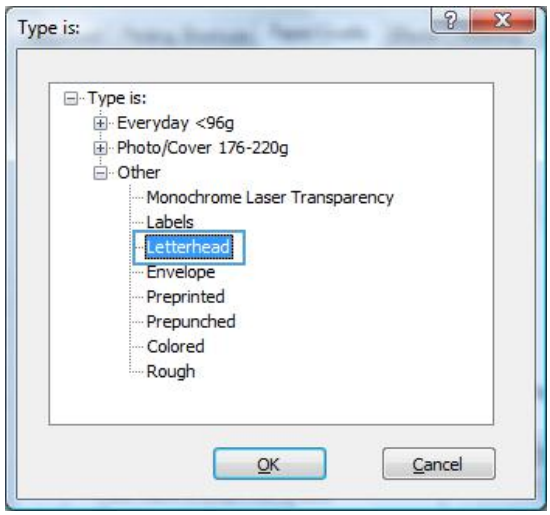
5. Expand the list of **Type is:** options.



6. Expand the list of **Other** options.

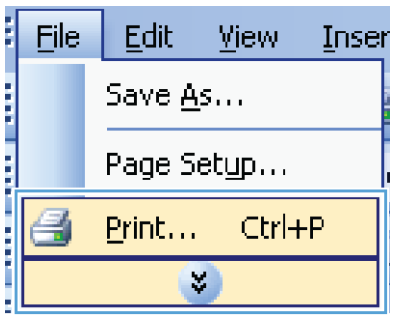


7. Select the option for the type of paper you are using, and click the **OK** button.

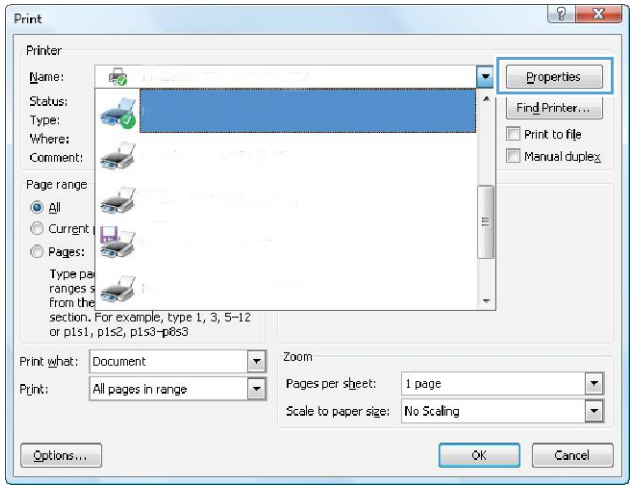


Print on special paper, labels, or transparencies with Windows

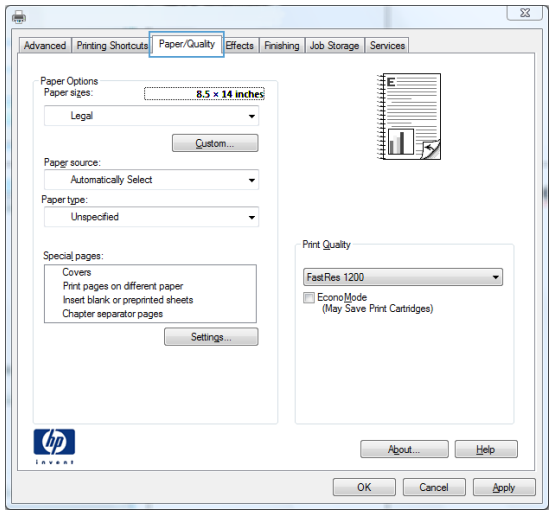
1. On the **File** menu in the software program, click **Print**.



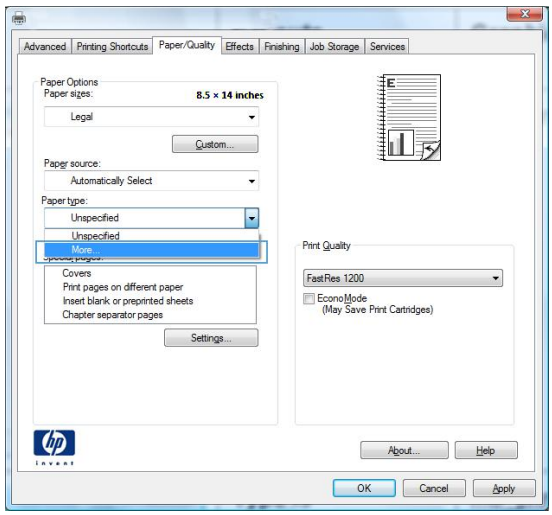
2. Select the product, and then click the **Properties** or **Preferences** button.



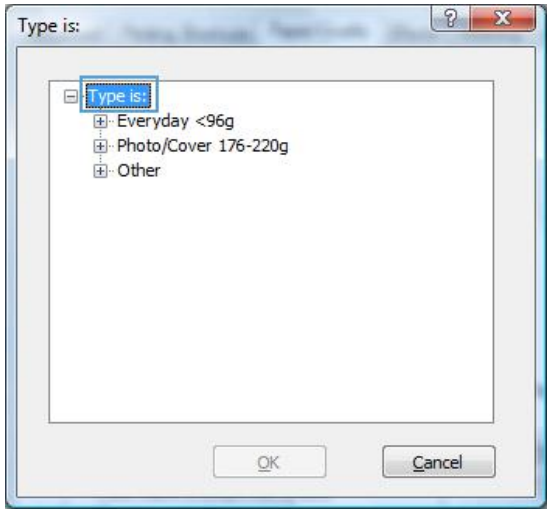
3. Click the **Paper/Quality** tab.



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

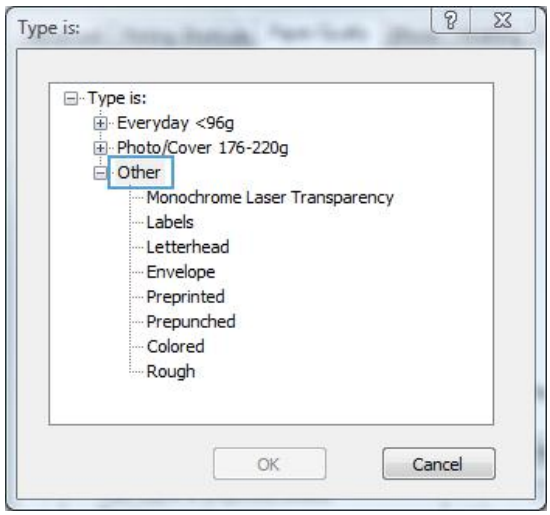


5. Expand the list of **Type is:** options.

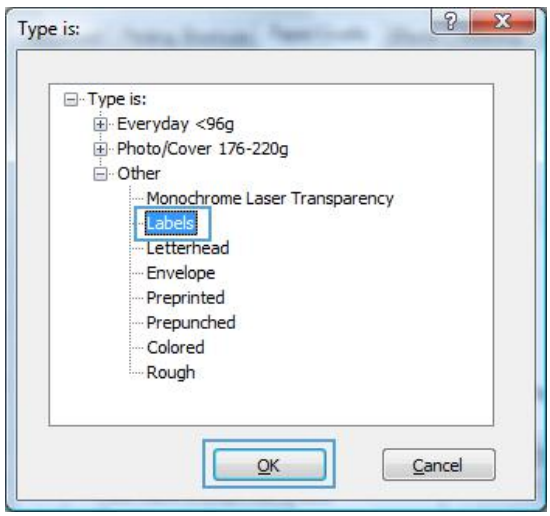


6. Expand the category of paper types that best describes your paper.

   NOTE: Labels and transparencies are in the list of **Other** options.

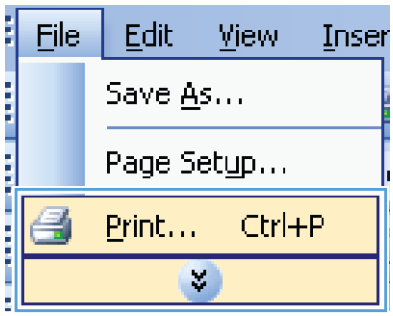


7. Select the option for the type of paper you are using, and click the **OK** button.

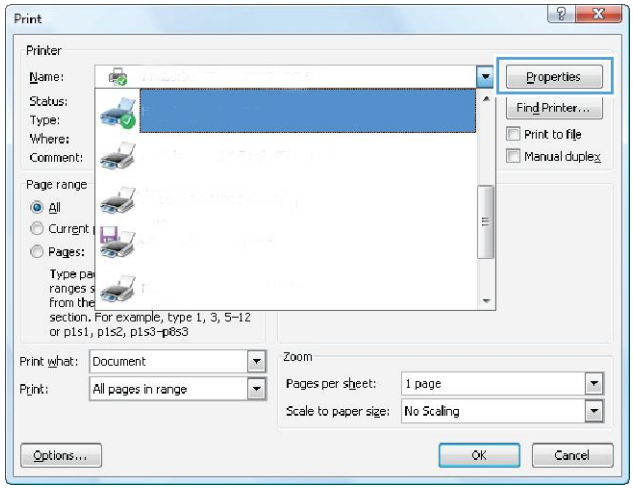


Print on special paper, labels, or transparencies with Windows

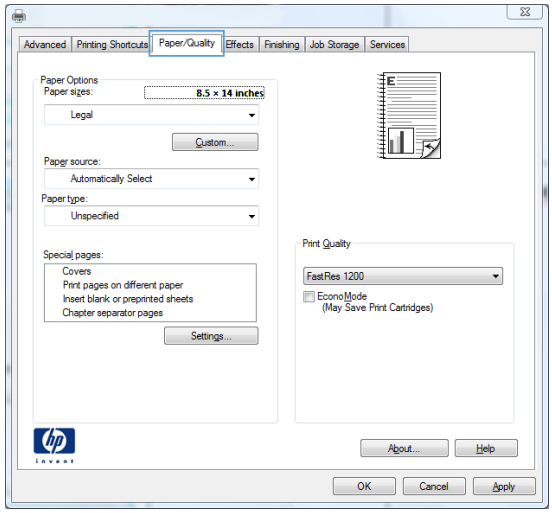
1. On the **File** menu in the software program, click **Print**.



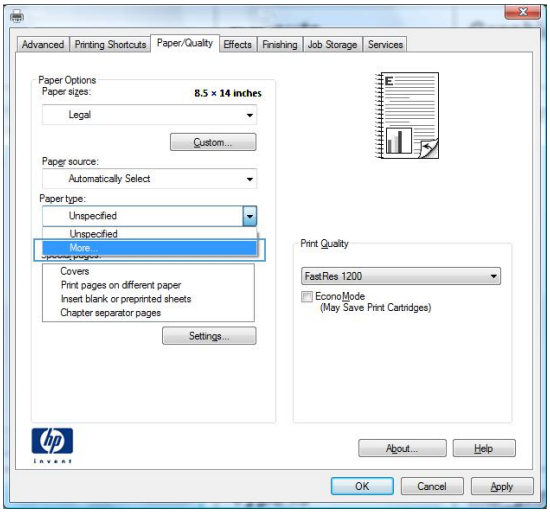
2. Select the product, and then click the **Properties** or **Preferences** button.



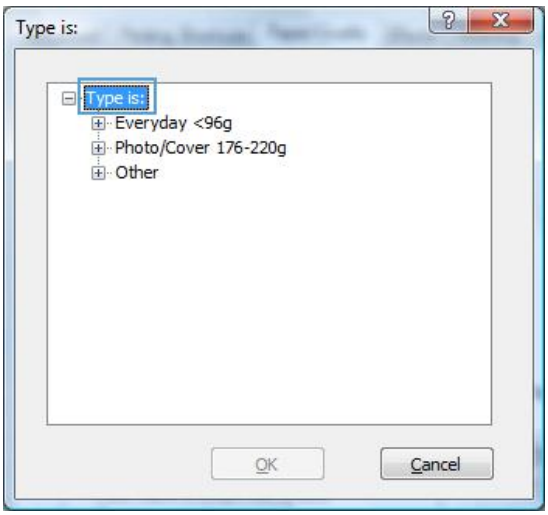
3. Click the **Paper/Quality** tab.



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

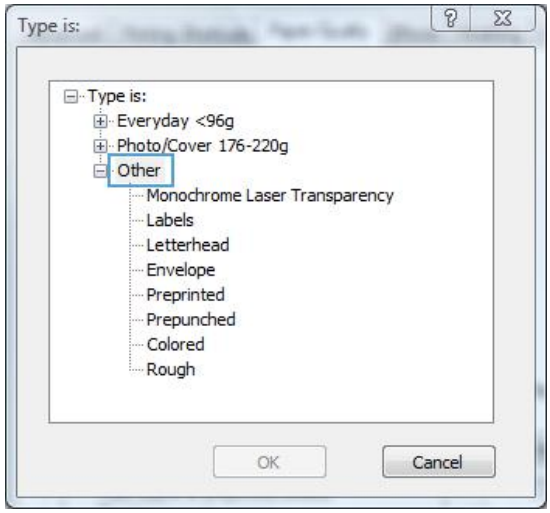


5. Expand the list of **Type is:** options.

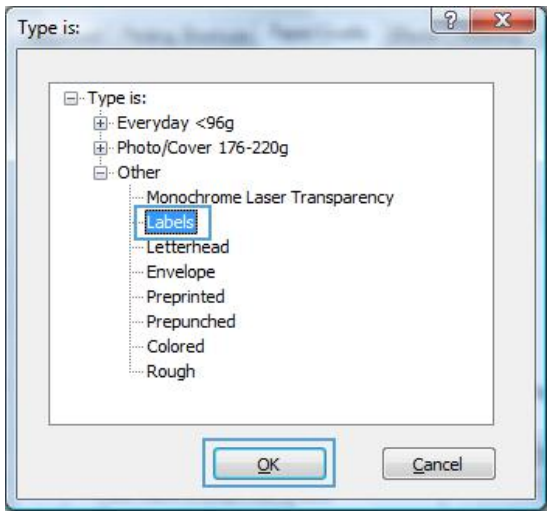


6. Expand the category of paper types that best describes your paper.

   NOTE: Labels and transparencies are in the list of **Other** options.

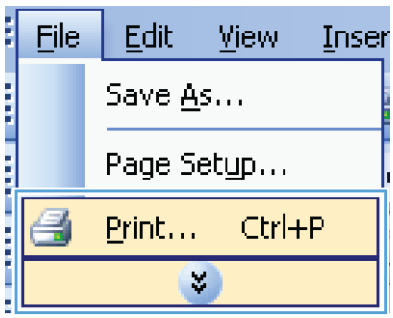


7. Select the option for the type of paper you are using, and click the **OK** button.

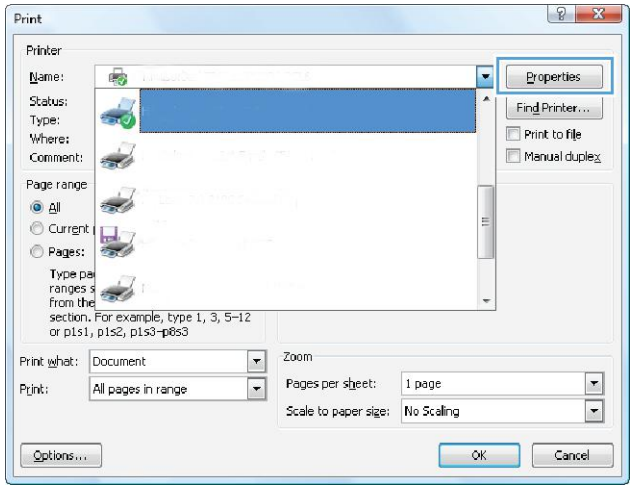


Print the first or last page on different paper with Windows

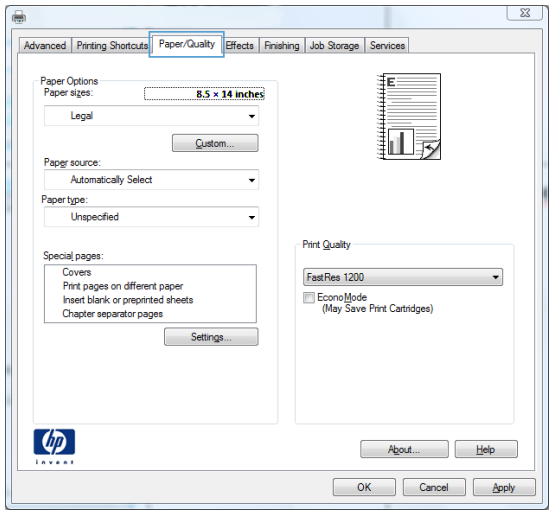
1. On the **File** menu in the software program, click **Print**.



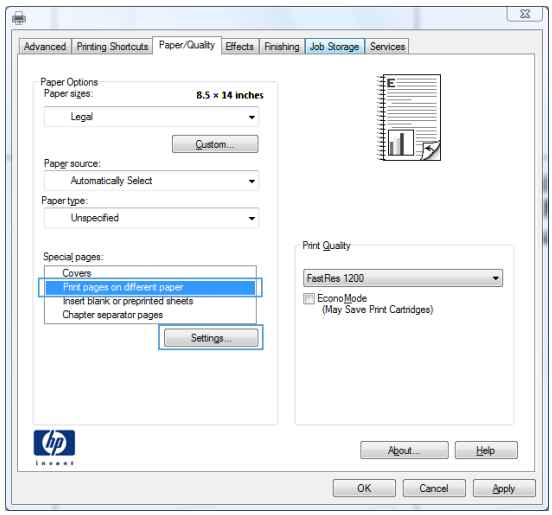
2. Select the product, and then click the **Properties** or **Preferences** button.



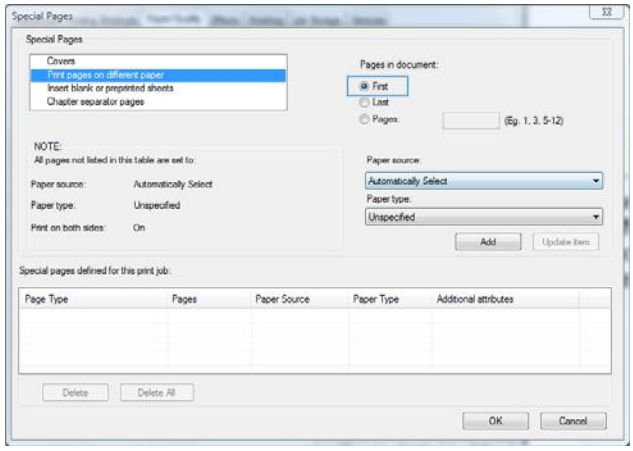
3. Click the **Paper/Quality** tab.



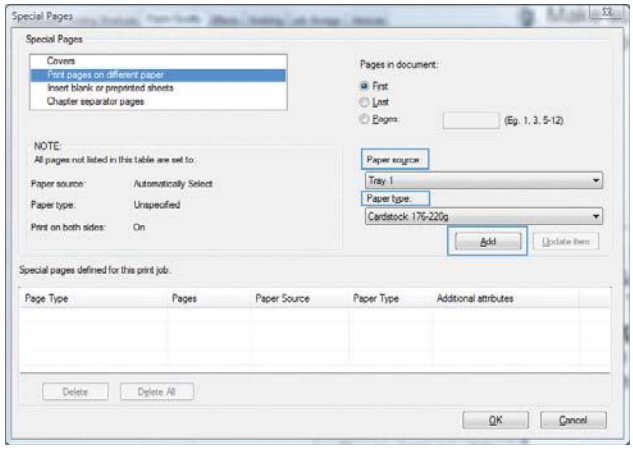
4. In the **Special pages** area, click the **Print pages on different paper** option, and then click the **Settings** button.



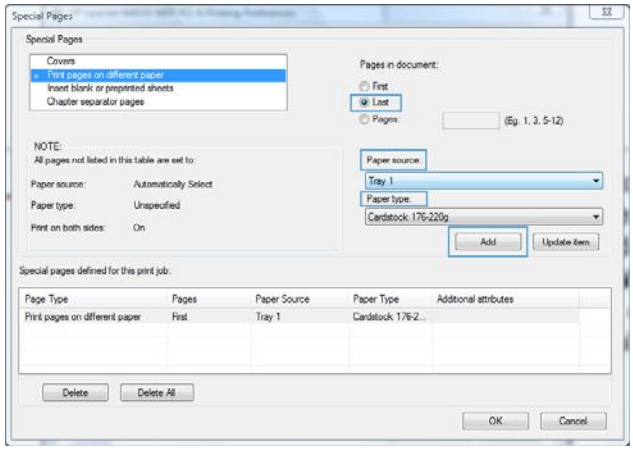
5. In the **Pages in document** area, select either the **First** or **Last** option.



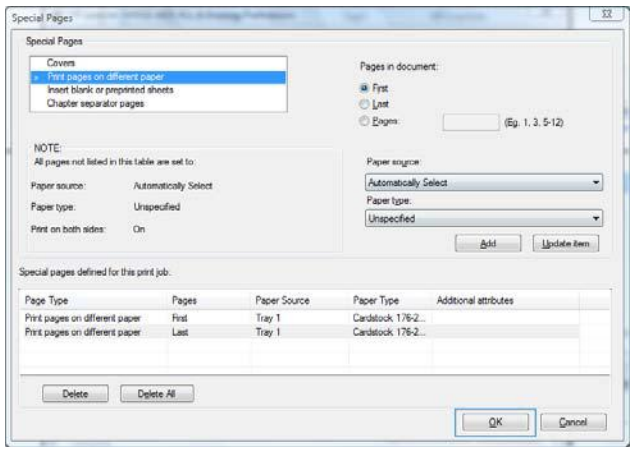
6. Select the correct options from the **Paper source** and **Paper type** drop-down lists. Click the **Add** button.



7. If you are printing *both* the first and last pages on different paper, repeat steps 5 and 6, selecting the options for the other page.

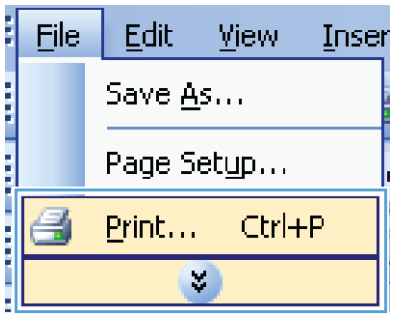


8. Click the **OK** button.

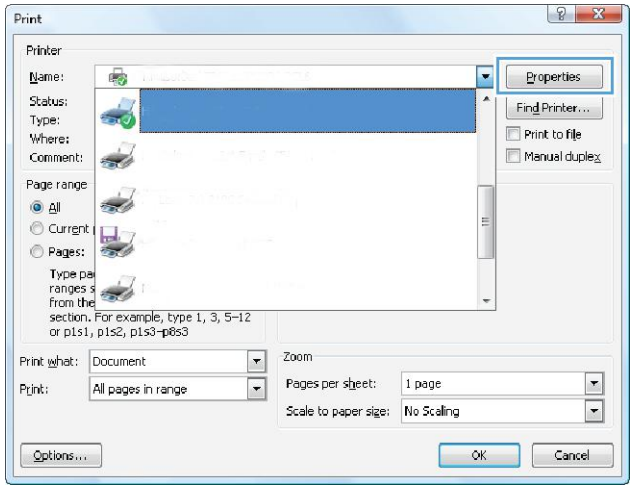


Scale a document to fit page size with Windows

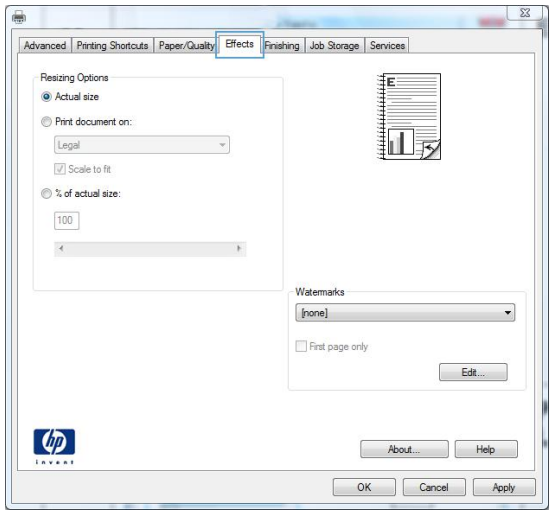
1. On the **File** menu in the software program, click **Print**.



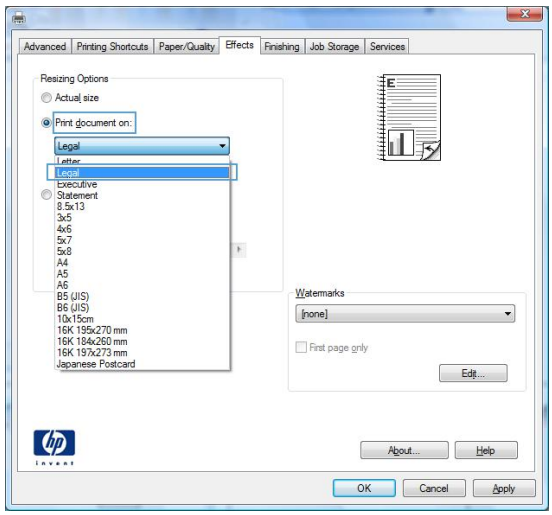
2. Select the product, and then click the **Properties** or **Preferences** button.



3. Click the **Effects** tab.



4. Select the **Print document on** option, and then select a size from the drop-down list.



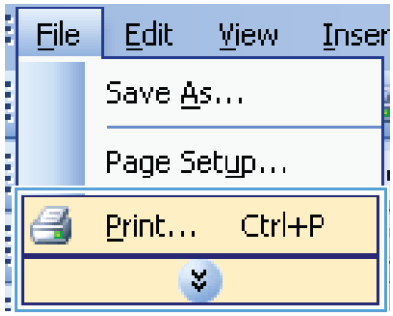
Add a watermark to a document with Windows

1. On the **File** menu in the software program, click **Print**.
2. Select the product, and then click the **Properties** or **Preferences** button.
3. Click the **Effects** tab.
4. Select a watermark from the **Watermarks** drop-down list.

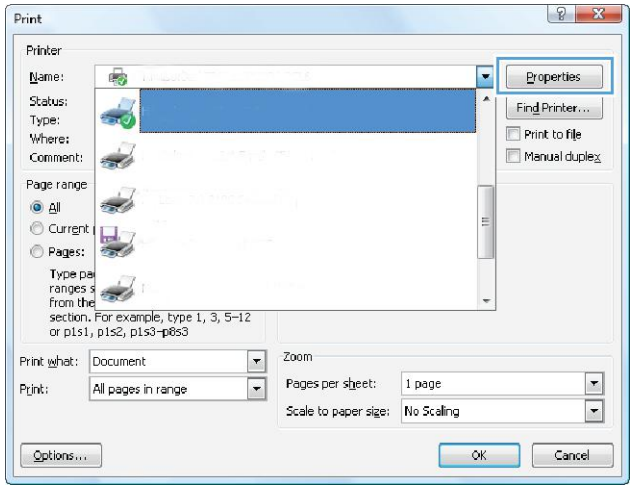
   Or, to add a new watermark to the list, click the **Edit** button. Specify the settings for the watermark, and then click the **OK** button.
5. To print the watermark on the first page only, select the **First page only** check box. Otherwise, the watermark is printed on each page.

Create a booklet with Windows

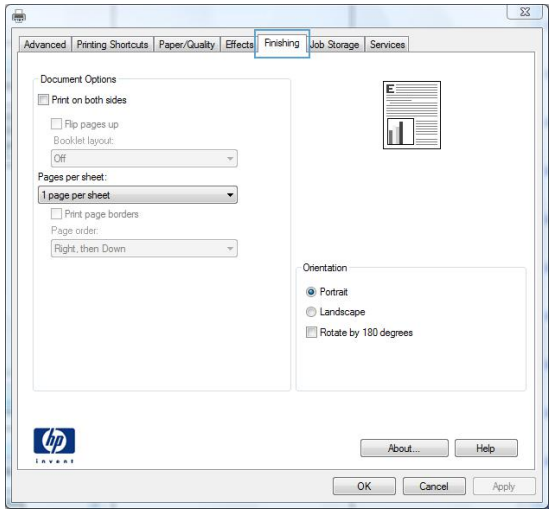
1. On the **File** menu in the software program, click **Print**.



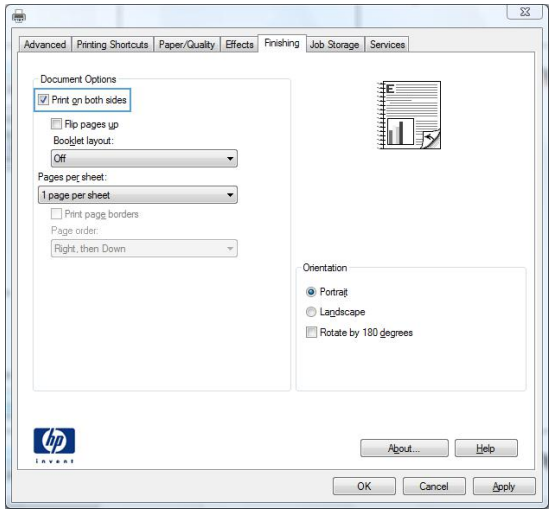
2. Select the product, and then click the **Properties** or **Preferences** button.



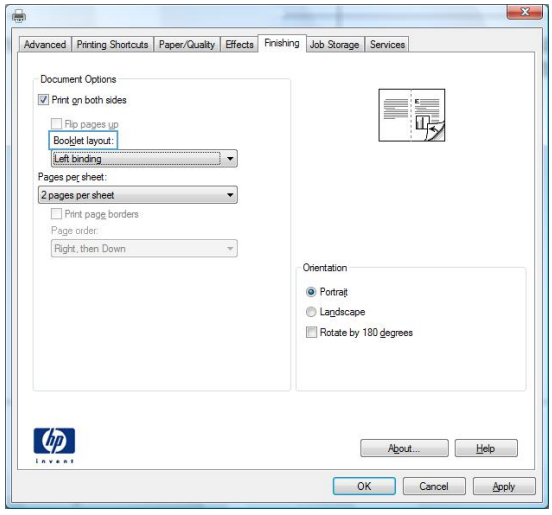
3. Click the **Finishing** tab.



4. Select the **Print on both sides** check box.



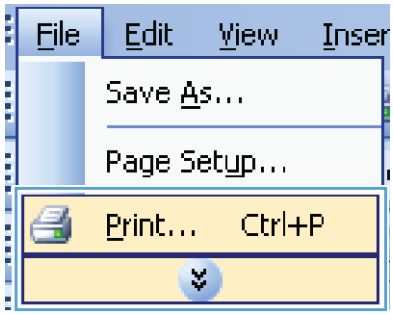
5. In the **Booklet layout** drop-down list, click the **Left binding** or **Right binding** option. The **Pages per sheet** option automatically changes to **2 pages per sheet**.



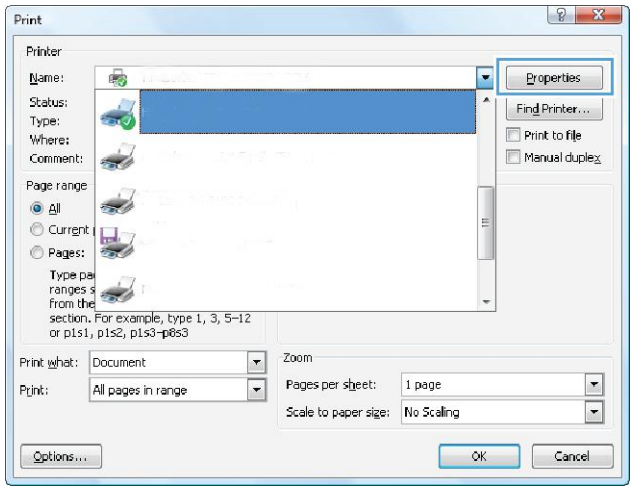
Select output options with Windows

Select an output bin with Windows

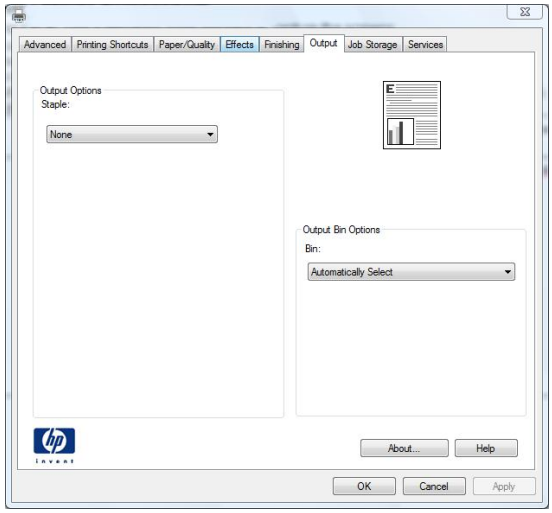
1. On the **File** menu in the software program, click **Print**.



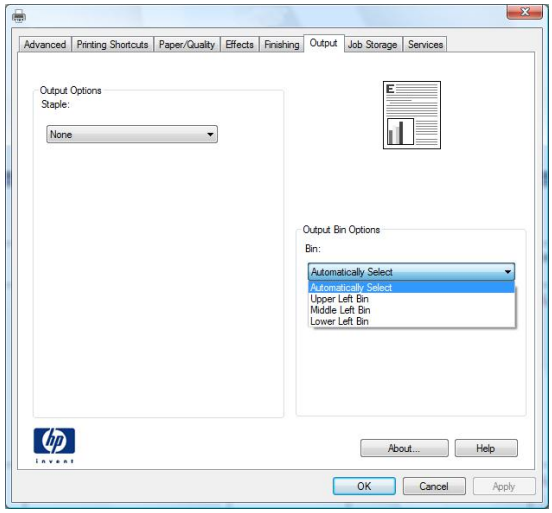
2. Select the product, and then click the **Properties** or **Preferences** button.



3. Click the **Output** tab.

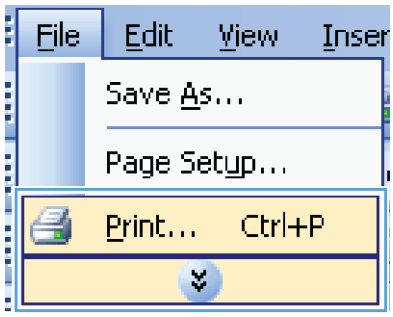


4. In the **Output Bin Options** area, select a bin from the **Bin** drop-down list.

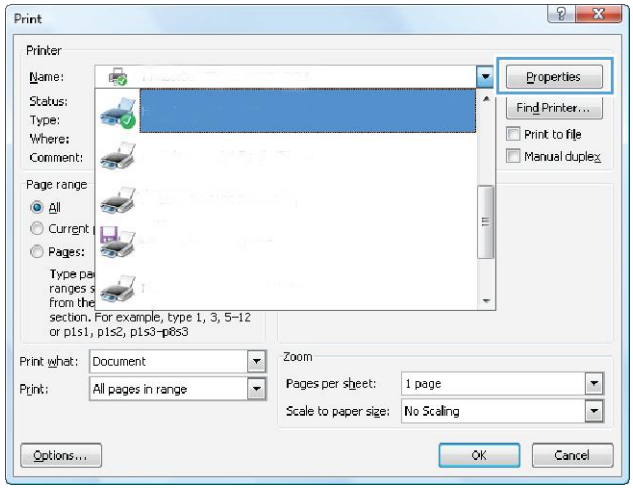


Select staple options with Windows

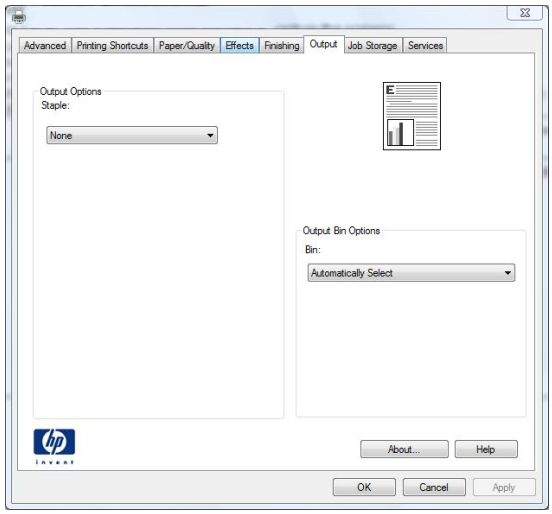
1. On the **File** menu in the software program, click **Print**.



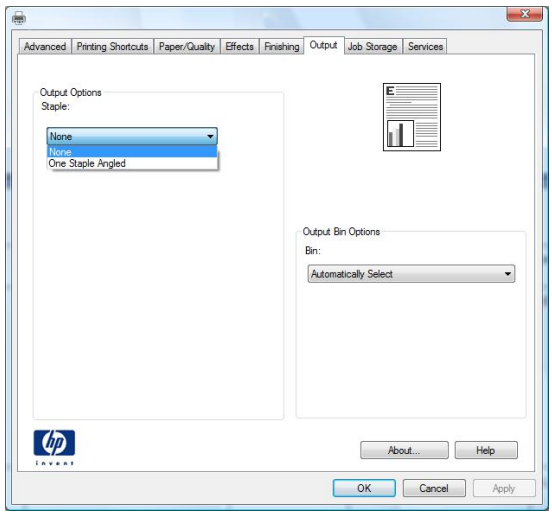
2. Select the product, and then click the **Properties** or **Preferences** button.



3. Click the **Output** tab.



4. In the **Output Options** area, select an option from the **Staple** drop-down list.



Use job storage features with Windows

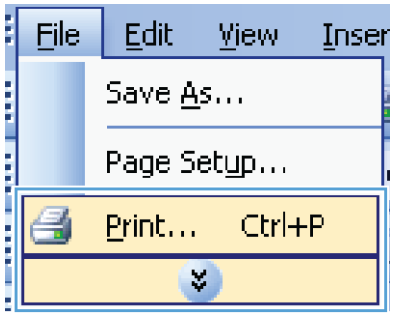
The following job-storage modes are available for print jobs:

- **Proof and Hold**: This feature provides a quick way to print and proof one copy of a job and then print more copies.
- **Personal Job**: When you send a job to the product, the job does not print until you request it at the product control panel. If you assign a personal identification number (PIN) to the job, you must provide the required PIN at the control panel.
- **Quick Copy**: If the optional hard disk is installed on the product, you can print the requested number of copies of a job and then store a copy of the job on the optional hard disk. Storing the job allows you to print additional copies of the job later.
- **Stored Job**: If the optional hard disk is installed on the product, you can store a job such as a personnel form, time sheet, or calendar on the product and allow other users to print the job at any time. Stored jobs also can be protected by a PIN.

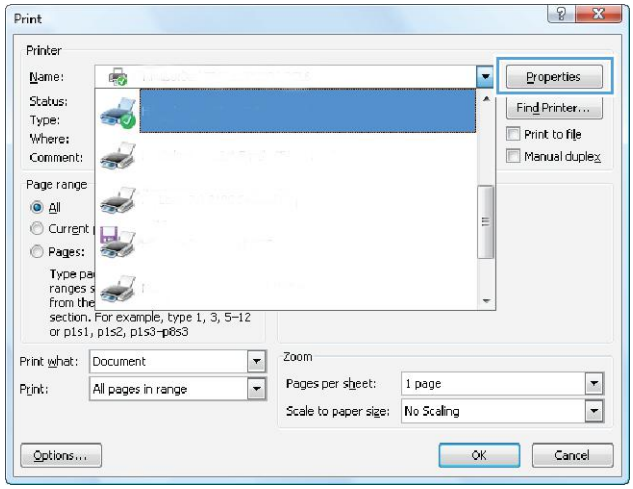
⚠ CAUTION: If you turn off the product, all **Quick Copy**, **Proof and Hold**, and **Personal Job** types of stored jobs are deleted. To permanently store the job and prevent the product from deleting it when space is needed for something else, select the **Stored Job** option in the driver.

Create a stored job with Windows

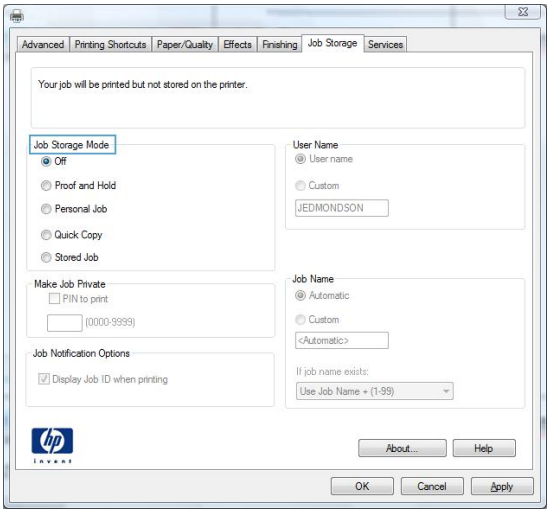
1. On the **File** menu in the software program, click **Print**.



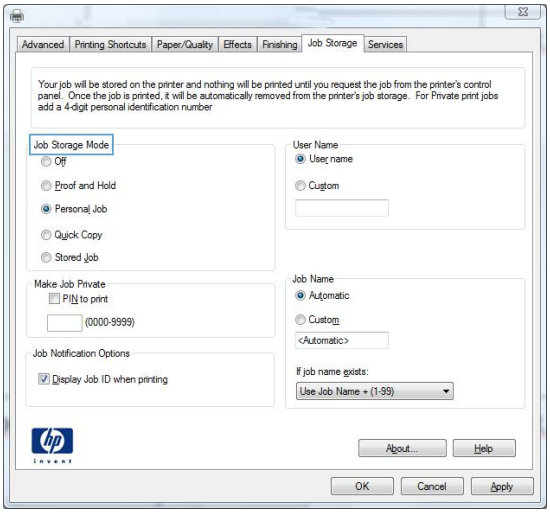
2. Select the product, and then click the **Properties** or **Preferences** button.



3. Click the **Job Storage** tab.



4. Select a **Job Storage Mode** option.



Print a stored job

Use the following procedure to print a job that is stored in the product memory.

1. At the product control panel, press the Home button.
2. Open the **Retrieve Job from Device Memory** menu.
3. Select your username, and then select the name of the job or select the **All Jobs (With PIN)** or **All Jobs (No PIN)** option.
4. Enter the PIN if required, and then select the **Print** option. Select the **Copies** option to adjust the number of copies.

Delete a stored job

When you send a stored job to the product memory, the product overwrites any previous jobs with the same user and job name. If a job is not already stored under the same user and job name, and the product needs additional space, the product might delete other stored jobs starting with the oldest. You can change the number of jobs that can be stored from the **General Settings** menu on the product control panel.

Use this procedure to delete a job that is stored in the product memory.

1. At the product control panel, press the Home button.
2. Open the **Retrieve Job from Device Memory** menu.
3. Select your username, and then select the name of the job or select the **All Jobs (With PIN)** or **All Jobs (No PIN)** option.
4. Select the **Delete** option. The product prompts you to confirm the deletion.

Set job storage options with Windows

Print one copy for proof before printing all the copies

1. On the **File** menu in the software program, click **Print**.
2. Select the product, and then click the **Properties** or **Preferences** button.
3. Click the **Job Storage** tab.
4. In the **Job Storage Mode** area, click the **Proof and Hold** option.

Temporarily store a personal job on the product and print it later

NOTE: The product deletes the job after you print it.

1. On the **File** menu in the software program, click **Print**.
2. Select the product, and then click the **Properties** or **Preferences** button.
3. Click the **Job Storage** tab.
4. In the **Job Storage Mode** area, click the **Personal Job** option.
5. Optional: In the **Make Job Private** area, click the **PIN to print** option, and enter a 4-digit personal identification number (PIN).
6. Print the job at any time from the product control panel.

Temporarily store a job on the product

NOTE: This option is available if the optional hard disk is installed in the product.

NOTE: The product stores the job until you turn the product off.

1. On the **File** menu in the software program, click **Print**.
2. Select the product, and then click the **Properties** or **Preferences** button.
3. Click the **Job Storage** tab.
4. In the **Job Storage Mode** area, click the **Quick Copy** option.

   The requested number of copies are printed immediately, and you can print more copies from the product control panel.

Permanently store a job on the product

NOTE: This option is available if the optional hard disk is installed in the product.

1. On the **File** menu in the software program, click **Print**.
2. Select the product, and then click the **Properties** or **Preferences** button.
3. Click the **Job Storage** tab.
4. In the **Job Storage Mode** area, click the **Stored Job** option.

Make a permanently stored job private so that anyone who tries to print it must provide a PIN

NOTE: This option is available if the optional hard disk is installed in the product.

1. On the **File** menu in the software program, click **Print**.
2. Select the product, and then click the **Properties** or **Preferences** button.
3. Click the **Job Storage** tab.
4. In the **Job Storage Mode** area, click the **Stored Job** option or the **Personal Job** option.
5. In the **Make Job Private** area, click the **PIN to print** option, and enter a 4-digit personal identification number (PIN).

NOTE: To print the job or to delete it, you must provide the PIN at the product control panel.

Receive notification when someone prints a stored job

NOTE: Only the person who created the stored job receives notification. You do not receive notification when someone prints a stored job that another person has created.

1. On the **File** menu in the software program, click **Print**.
2. Select the product, and then click the **Properties** or **Preferences** button.
3. Click the **Job Storage** tab.
4. Select the job storage mode that you want.
5. In the **Job Notifications Options** area, click the **Display Job ID when printing** option.

Set the user name for a stored job

Follow this procedure to change the user name for a stored job.

1. On the **File** menu in the software program, click **Print**.
2. Select the product, and then click the **Properties** or **Preferences** button.
3. Click the **Job Storage** tab.
4. Select the job storage mode that you want.
5. In the **User Name** area, click the **User name** option to use the Windows default user name. To provide a different user name, click the **Custom** option and type the name.

Specify a name for the stored job

Follow this procedure to change the default name for a stored job.

1. On the **File** menu in the software program, click **Print**.
2. Select the product, and then click the **Properties** or **Preferences** button.
3. Click the **Job Storage** tab.
4. Select the job storage mode that you want.
5. To automatically generate the job name associated with the stored document, in the **Job Name** area, click the **Automatic** option. The driver uses the document file name, if it is available. If the document has no file name, the driver uses the software program name or a time stamp for the job name.

   To specify a job name, click the **Custom** option and type the name.
6. Select an option from the **If job name exists** drop-down list.
   - Select the **Use Job Name + (1-99)** option to add a number to the end of the existing name.
   - Select the **Replace Existing File** option to overwrite a job that already has that name.

Print special jobs with Windows

Set the duplex alignment

For documents that are printed on both sides, such as brochures, set the registration for the tray before printing to ensure that the front and back of the page are aligned.

1. At the product control panel, press the Home button.
2. Open the following menus:
   a. **Administration**
   b. **General Settings**
   c. **Print Quality**
   d. **Image Registration**
   e. **Adjust Tray <X>**
3. Select the **Print Test Page** item, and then press the OK button.
4. Follow the instructions on the test page to complete the adjustment.

Walk-up USB printing

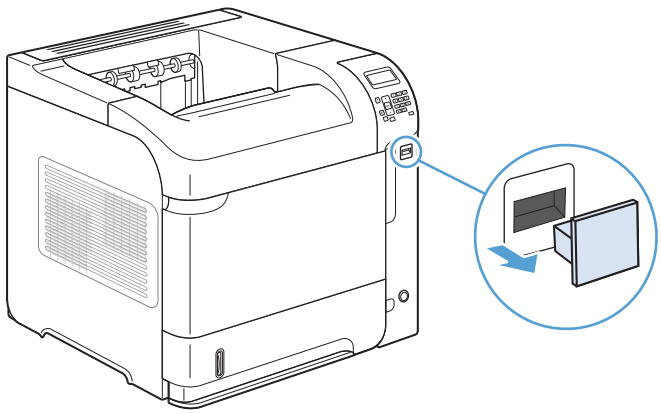
This product features walk-up USB printing, so you can quickly print files without sending them from a computer. The product accepts standard USB storage accessories in the USB port on the front of the product. You can print the following types of files:

- .pdf
- .prn
- .pcl
- .ps
- .cht

1. Insert the USB storage accessory into the USB port on the front of the product.

   NOTE: You might need to remove the cover from the USB port.

   NOTE: If the product does not recognize the USB accessory, try using another type of USB accessory. Because of differences in USB specifications, the product does not recognize all types of USB accessories.



2. At the product control panel, press the Home button.
3. Open the **Retrieve Job from USB** menu.
4. Select the name of the document that you want to print.
5. If you need to adjust the number of copies, select the **Copies** option, and then enter the number of copies.
6. Press the OK button to print the document.

9 Manage and maintain

- Print information pages
- Use the HP Embedded Web Server
- Use HP Web Jetadmin software
- Product security features
- Economy settings
- Install memory and internal USB devices
- Clean the product
- Product updates

Print information pages

Information pages provide details about the product and its current configuration. Use the following procedure to print or view the information pages:

1. At the product control panel, press the Home button.
2. Open the following menus:
   - Administration
   - Reports
3. Select the name of the report you want to review, scroll up to the **Print** option, and then press the OK button to print the report.

First level	Second level	Description
Configuration/Status Pages	Administration Menu Map	Shows the layout and current settings of the control-panel menu items.
	Configuration Page	Shows the product settings and installed accessories.
	Supplies Status Page	Shows the approximate remaining life for the supplies; reports statistics on total number of pages and jobs processed, serial number, page counts, and maintenance information. HP provides approximations of the remaining life for the supplies as a customer convenience. The actual remaining supply levels might be different than the approximations provided.
	Usage Page	Shows a count of all paper sizes that have passed through the product; lists whether they were simplex or duplex, and reports the page count.
	File Directory Page	Shows the file name and folder name for files that are stored in the product memory.
	Current Settings Page	Shows the current settings for each option in the **Administration** menu.
Other Pages	PCL Font List	Prints the available PCL fonts.
	PS Font List	Prints the available PS fonts.

Use the HP Embedded Web Server

Use the HP Embedded Web Server to view product status, configure product network settings, and manage printing functions from your computer instead of from the product control panel. The following are examples of what you can do using the HP Embedded Web Server:

- View product status information.
- Determine the remaining life for all supplies and order new ones.
- View and change tray configurations.
- View and change the product control-panel menu configuration.
- View and print internal pages.
- Receive notification of product and supplies events.
- View and change network configuration.

To use the HP Embedded Web Server, you must have Microsoft Internet Explorer 5.01 or later or Netscape 6.2 or later for Windows, Mac OS, and Linux (Netscape only). Netscape Navigator 4.7 is required for HP-UX 10 and HP-UX 11. The HP Embedded Web Server works when the product is connected to an IP-based network. The HP Embedded Web Server does not support IPX-based product connections. You do not have to have Internet access to open and use the HP Embedded Web Server.

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

Open the HP Embedded Web Server by using a network connection

1. Identify the product IP address or host name, which is listed on the product configuration page. Follow these steps to print the product configuration page:
   a. At the product control panel, press the Home button.
   b. Open the following menus:
      – **Administration**
      – **Reports**
      – **Configuration/Status Pages**
      – **Configuration Page**
   c. Press the OK button.
   d. Find the IP address or host name on the Jetdirect page.
2. In a supported Web browser on your computer, type the product IP address or host name in the address/URL field.

HP Embedded Web Server features

Information tab

Table 9-1 HP Embedded Web Server Information tab

Menu	Description
Device Status	Shows the product status and shows the estimated life remaining of HP supplies. The page also shows the type and size of paper set for each tray. To change the default settings, click the **Change Settings** link.
Job Log	Shows a summary of all jobs the product has processed.
Configuration Page	Shows the information found on the configuration page.
Supplies Status Page	Shows the status of the supplies for the product.
Event Log Page	Shows a list of all product events and errors. Use the **HP Instant Support** link (in the **Other Links** area on all HP Embedded Web Server pages) to connect to a set of dynamic Web pages that help you solve problems. These pages also show additional services available for the product.
Usage Page	Shows a summary of the number of pages the product has printed, grouped by size, type, and paper print path.
Device Information	Shows the product network name, address, and model information. To customize these entries, click the **Device Information** menu on the **General** tab.
Print	Upload a print-ready file from your computer to print. The product uses the default print settings to print the file.
Printable Reports and Pages	Lists the internal reports and pages for the product. Select one or more items to print or view.

General tab

Table 9-2 HP Embedded Web Server General tab

Menu	Description
Control Panel Administration Menu	Shows the menu structure of the **Administration** menu on the control panel. NOTE: You can configure settings on this screen, but the HP Embedded Web Server provides more advanced configuration options than are available through the **Administration** menu.
Alerts	Set up e-mail alerts for various product and supplies events.
AutoSend	Configure the product to send automated e-mails regarding product configuration and supplies to specific e-mail addresses.
Control Panel Snapshot	Shows an image of the current screen on the control-panel display.
Edit Other Links	Add or customize a link to another Web site. This link appears in the **Other Links** area on all HP Embedded Web Server pages.
Ordering Information	Enter information about ordering replacement print cartridges. This information appears on the supplies status page.
Device Information	Name the product and assign an asset number to it. Enter the name of the primary contact who will receive information about the product.
Language	Set the language in which to display the HP Embedded Web Server information.

Table 9-2 HP Embedded Web Server General tab (continued)

Menu	Description
Date and Time	Set the date and time or synchronize with a network time server.
Sleep Schedule	Set or edit a wake time, sleep time, and sleep delay for the product. You can set a different schedule for each day of the week and for holidays.
Backup and Restore	Create a backup file that contains product and user data. If necessary, you can use this file to restore data to the product.
Restore Factory Settings	Restore product settings to the factory defaults.
Solution Installer	Install third-party software programs that can enhance the product functionality.
Firmware upgrade	Download and install product firmware upgrade files.
Statistics Services	Provides connection information about third-party job-statistics services.

Print tab

Table 9-3 Print tab

Menu	Description
Retrieve from USB Setup	Enable or disable the **Retrieve Job from USB** menu on the control panel.
Manage Stored Jobs	Enable or disable the ability to store jobs in the product memory, and configure job-storage options.
Adjust Paper Types	Adjust the print mode for each type of paper that the product supports.
General Print Settings	Establish default settings for print jobs.
Manage Trays	View or change paper type and size settings for each tray, and adjust general settings for all trays.

Troubleshooting tab

Table 9-4 HP Embedded Web Server Troubleshooting tab

Menu	Description
Reports and Tests	Print a variety of reports to help you solve problems with the product.
Calibrations	Select an option to calibrate the product immediately.
Firmware upgrade	Download and install product firmware upgrade files.
Restore Factory Settings	Restore product settings to factory defaults.

Security tab

Table 9-5 HP Embedded Web Server Security tab

Menu	Description
General Security	Configure an administrator password so you can restrict access to certain features on the product. Enable or disable the walk-up USB printing port on the control panel or the USB connectivity port on the formatter for printing directly from a computer.
Access Control	Configure access to product functions for specific individuals or groups. Also select the method by which individuals sign in to the product.
Protect Stored Data	Configure and manage the internal hard drive for the product. This product includes an encrypted hard drive for maximum security. Configure settings for jobs that are stored on the product hard drive.
Certificate Management	Install and manage security certificates for access to the product and the network.

HP Web Services tab

Use the **HP Web Services** tab to configure and enable HP Web Services for this product. You must enable HP Web Services to use the HP ePrint feature.

Networking tab

Use the **Networking** tab to change network settings for the product when it is connected to an IP-based network. This tab does not appear if the product is connected to other types of networks.

Other Links list

NOTE: You can configure which items appear in the **Other Links** list by using the **Edit Other Links** menu on the **General** tab. The following items are the default links.

Table 9-6 HP Embedded Web Server Other Links list

Menu	Description
Product Support	Connects to the support site for the product, from which you can search for help regarding various topics.
HP Instant Support	Connects you to the HP Web site to help you find solutions to product problems.

Use HP Web Jetadmin software

HP Web Jetadmin is an award-winning, industry-leading tool for efficiently managing a wide variety of networked HP devices, 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 updates are periodically made available to provide support for specific product features. Visit www.hp.com/go/webjetadmin and click the **Self Help and Documentation** link to learn more about updates.

Product security features

Security statements

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.

IP Security

IP Security (IPsec) is a set of protocols that control IP-based network traffic to and from the product. IPsec provides host-to-host authentication, data integrity, and encryption of network communications.

For products that are connected to the network and have an HP Jetdirect print server, you can configure IPsec by using the **Networking** tab in the HP Embedded Web Server.

Secure the HP Embedded Web Server

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

1. Open the HP Embedded Web Server by entering the product IP address into the address line of a Web browser.
2. Click the **Security** tab.
3. Open the **General Security** menu.
4. In the **Username** field, type the name to associate with the password.
5. Type the password in the **New Password** box, and type it again in the **Verify password** box.

   NOTE: If you are changing an existing password, you must first type the existing password in the **Old Password** field.

6. Click the **Apply** button. Make note of the password and store it in a safe place.

Encryption support: HP Encrypted High Performance Hard Disks (xh models only)

This product includes an encrypted hard disk. This hard disk provides hardware-based encryption so you can securely store sensitive print, copy, and scan data without impacting product performance. This hard disk uses the latest Advanced Encryption Standard (AES) and has versatile time-saving features and robust functionality.

Use the **Security** menu in the HP Embedded Web Server to configure the disk.

For more information about the encrypted hard disk, see the *HP High-Performance Secure Hard Disk Setup Guide*.

1. Go to www.hp.com/support.
2. Type **Secure Hard Disk** into the search box and click the **>>** button.
3. Click the **HP Secure High Performance Hard Disk Drive** link.
4. Click the **Manuals** link.

Secure stored jobs

You can protect jobs that are stored on the product by assigning a PIN to them. Anyone who tries to print these protected jobs must first enter the PIN at the product control panel.

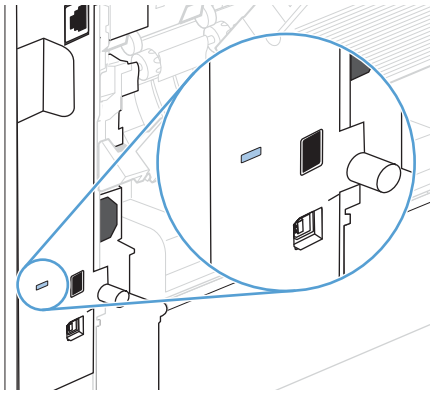
Lock the control panel menus

You can lock various features on the control panel by using the HP Embedded Web Server.

1. Open the HP Embedded Web Server by entering the product IP address into the address line of a Web browser.
2. Click the the **Security** tab.
3. Open the **Access Control** menu.
4. In the **Sign In and Permission Policies** area, select which types of users have permission for each of the features.
5. Click the **Apply** button.

Lock the formatter

The formatter area, on the back of the product, has a slot that you can use to attach a security cable. Locking the formatter prevents someone from removing valuable components from it.



Economy settings

Print with EconoMode

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

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

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

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

Powersave modes

Disable or enable sleep mode

1. At the product control panel, press the Home button.
2. Open each of the following menus:
   a. **Administration**
   b. **General Settings**
   c. **Energy Settings**
   d. **Sleep Timer Settings**
   e. **Sleep/Auto Off Timer**
3. Select one of the following options:
   - **Enabled**
   - **Disabled**

Set the sleep timer

Use the sleep timer feature to cause the product to enter sleep mode automatically after a predefined period of inactivity.

1. At the product control panel, press the Home button.
2. Open each of the following menus:
   a. **Administration**
   b. **General Settings**

c. **Energy Settings**

d. **Sleep Timer Settings**

e. **Sleep/Auto Off After**

3. Select the appropriate time period, and then press the OK button.

NOTE: The default value is 30 minutes.

Set the sleep schedule

Use the sleep schedule feature to reduce power consumption when the product is inactive. You can schedule specific times of the day at which the product enters sleep mode or wakes from sleep mode. You can customize this schedule for each day of the week. To set up a sleep schedule, use the HP Embedded Web Server.

1. Open the HP Embedded Web Server by entering the product IP address into the address line of a Web browser.
2. Click the **General** tab.
3. Click the **Date and Time** link, and then set the current date and time.
4. Click the **Apply** button.
5. Click the **Sleep Schedule** link, and then click the **Add** button to open the sleep schedule settings.
6. Configure the sleep schedule settings.
7. Click the **Apply** button.

Install memory and internal USB devices

Overview

The formatter has the following open slots and ports for expanding the product's capabilities:

- One dual inline memory module (DIMM) slot for upgrading the product with more memory
- Two internal USB ports for adding fonts, languages, and other third-party solutions

To find out how much memory is installed in the product or to find out what is installed in the USB ports, print a configuration page.

Install memory

You might want to add more memory to the product if you often print complex graphics, print PostScript (PS) documents, or use many downloaded fonts. Added memory also gives you more flexibility in supporting job-storage features, such as quick copying.

NOTE: Single inline memory modules (SIMMs) used in previous HP LaserJet products are not compatible with the product.

Install product memory

This product has one DIMM slot.

CAUTION: Static electricity can damage electronic components. When handling DIMMs, either wear an antistatic wrist strap or frequently touch the surface of the DIMM antistatic package, then touch bare metal on the product.

1. Print a configuration page to find out how much memory is installed in the product before adding more memory.
   a. At the product control panel, press the Home button.
   b. Open the following menus:
      - **Administration**
      - **Reports**
      - **Configuration/Status Pages**
      - **Configuration Page**
2. After the configuration page has printed, turn the product off.
3. Disconnect the power cord and interface cable.
4. Remove the right-side panel by sliding it towards the rear of the product to unlatch it.
5. Open the access door by pulling on the metal tab.

6. Remove the DIMM from the antistatic package.

⚠ CAUTION: To reduce the possibility of damage caused by static electricity, always wear an electrostatic discharge (ESD) wrist strap or touch the surface of the antistatic package before handling DIMMs.

7. Hold the DIMM by the edges, and align the notches on the DIMM with the DIMM slot. (Check that the locks on each side of the DIMM slot are open.)

8. Press the DIMM straight into the slot, and press firmly. Make sure the locks on each side of the DIMM snap into place.

9. Close the access door, and press firmly until it snaps into place.

10. Reinstall the right-side panel. Align the tabs on the panel with the slots in the product, and push the panel toward the front of the product until it latches into place.

11. Reconnect the interface cable and the power cord.

12. Turn the product on.

Enable memory

Windows XP, Windows Server 2003, Windows Server 2008, and Windows Vista	1. Click **Start**. 2. Click **Settings**. 3. Click **Printers and Faxes** (using the default Start menu view) or click **Printers** (using the Classic Start menu view). 4. Right-click the product driver icon, and then select **Properties**. 5. Click the **Device Settings** tab. 6. Expand the area for **Installable Options**. 7. Next to **Automatic Configuration**, select **Update Now**. 8. Click **OK**. NOTE: If the memory is not updated correctly after using the **Update Now** option, you can manually select the total amount of memory installed in the product in the **Installable Options** area. The **Update Now** option overwrites any existing product configuration settings.

Windows 7	1. Click **Start**. 2. Click **Devices and Printers**. 3. Right-click the product driver icon, and then select **Printer properties**. 4. Click the **Device Settings** tab. 5. Expand the area for **Installable Options**. 6. Next to **Automatic Configuration**, select **Update Now**. 7. Click **OK**. NOTE: If the memory is not updated correctly after using the **Update Now** option, you can manually select the total amount of memory installed in the product in the **Installable Options** area. The **Update Now** option overwrites any existing product configuration settings.
Mac OS X 10.5 and 10.6	1. From the Apple menu , click the **System Preferences** menu and then click the **Print & Fax** icon. 2. Select the product in the left side of the window. 3. Click the **Options & Supplies** button. 4. Click the **Driver** tab. 5. Configure the installed options.

Check DIMM installation

After installing the DIMM, make sure that the installation was successful.

1. Turn the product on. Check that the Ready light is illuminated after the product has gone through the startup sequence. If an error message appears, a DIMM might have been incorrectly installed.
2. Print a configuration page.
3. Check the memory section on the configuration page and compare it to the configuration page that was printed before the memory installation. If the amount of memory has not increased, the DIMM might not be installed correctly, or the DIMM might be defective. Repeat the installation procedure. If necessary, install a different DIMM.

NOTE: If you installed a product language (personality), check the "Installed Personalities and Options" section on the configuration page. This area should list the new product language.

Memory allocation

Utilities or jobs that you download to the product sometimes include resources (for example, fonts, macros, or patterns). Resources that are internally marked as permanent remain in the product memory until you turn the product off.

Use the following guidelines if you use the page description language (PDL) ability to mark resources as permanent. For technical details, see an appropriate PDL reference for PCL or PS.

- Mark resources as permanent only when it is absolutely necessary that they remain in memory while the product is turned on.
- Send permanent resources to the product only at the beginning of a print job and not while the product is printing.

NOTE: Overusing permanent resources or downloading them while the product is printing might affect product performance or the ability to print complex pages.

Install internal USB devices

The product has two internal USB ports.

1. Turn the product off.
2. Disconnect the power cord and interface cable.
3. Remove the right-side panel by sliding it towards the rear of the product to unlatch it.
4. Open the access door by pulling on the metal tab.
5. Locate the USB ports near the bottom of the formatter board. Insert the USB device into one of the ports.

   ⚠ CAUTION: To prevent static electricity from damaging the formatter board, hold the metal access door with one hand while you insert the USB device with the other hand. If you move away from the product during this procedure, be sure to touch the metal access door to discharge electricity before continuing.

6. Close the access door, and press firmly until it snaps into place.
7. Reinstall the right-side panel. Align the tabs on the panel with the slots in the product, and push the panel toward the front of the product until it latches into place.
8. Reconnect the interface cable and the power cord.
9. Turn the product on.

Clean the product

To clean the product exterior, use a soft, water-moistened cloth.

Clean the paper path

1. At the product control panel, press the Home button.
2. Open the following menus:
   - **Device Maintenance**
   - **Calibrate/Cleaning**
3. Select the **Print Cleaning Page** item, and press the OK button to print the page.
4. The cleaning process can take several minutes. When it is finished, discard the printed page.

Product updates

HP regularly updates features that are available in the product firmware. To take advantage of the most current features, update the product firmware. To download the most recent firmware upgrade, go to www.hp.com/go/lj600Series_firmware.

10 Solve problems

- Self help
- Solve problems checklist
- Restore factory settings
- Interpret control-panel messages
- Paper feeds incorrectly or becomes jammed
- Clear jams
- Improve print quality
- The product does not print or it prints slowly
- Solve walk-up USB printing problems
- Solve connectivity problems
- Solve product software problems with Windows
- Solve product software problems with Mac

Self help

In addition to the information in this guide, other sources are available that provide helpful information.

Quick Reference Topics	Several Quick Reference Topics for this product are available at this Web site: www.hp.com/support/lj600Series You can print these topics and keep them near the product. They are a handy reference for procedures that you perform frequently.
Control panel help	The control panel has built-in help that guides you through several tasks, such as replacing print cartridges and clearing jams. To open the Help system, press the Help button **?**.

Solve problems checklist

Follow these steps when trying to solve a problem with the product.

1. Make sure the product Ready light is on. If no lights are on, complete these steps:
   a. Check the power-cable connections.
   b. Check that the power is turned on.
   c. Make sure that the line voltage is correct for the product power configuration. (See the label that is on the back of the product for voltage requirements.) If you are using a power strip and its voltage is not within specifications, plug the product directly into the wall. If it is already plugged into the wall, try a different outlet.
   d. If none of these measures restores power, contact HP Customer Care.
2. Check the cabling.
   a. Check the cable connection between the product and the computer or network port. Make sure that the connection is secure.
   b. Make sure that the cable itself is not faulty by using a different cable, if possible.
   c. Check the network connection.
3. The control panel should indicate ready status. If an error message appears, resolve the error.
4. Ensure that the paper that you are using meets specifications.
5. Print a configuration page. If the product is connected to a network, an HP Jetdirect page also prints.
   a. At the product control panel, press the Home button.
   b. Open the following menus:
      – **Administration**
      – **Reports**
      – **Configuration/Status Pages**
      – **Configuration Page**
   c. Press the OK button.

   If the pages do not print, check that at least one tray contains paper.

   If the page jams in the product, follow the instructions on the control panel to clear the jam.
6. If the configuration page prints, check the following items:
   a. If the page does not print correctly, the problem is with the product hardware. Contact HP Customer Care.
   b. If the page prints correctly, then the product hardware is working. The problem is with the computer you are using, with the printer driver, or with the program.

7. Select one of the following options:

   Windows: Click **Start**, click **Settings**, and then click **Printers** or **Printers and Faxes**. Double-click the name of the product.

   -or-

   Mac OS X: Open the **Printer Setup Utility** or the **Print & Fax** list, and double-click the line for the product.

8. Verify that you have installed the printer driver for this product. Check the program to make sure that you are using the printer driver for this product. The printer driver is on the CD that came with the product. You can also download the printer driver from this Web site: www.hp.com/support/lj600Series.

9. Print a short document from a different program that has worked in the past. If this solution works, then the problem is with the program you are using. If this solution does not work (the document does not print), complete these steps:

   a. Try printing the job from another computer that has the product software installed.

   b. If you connected the product to the network, connect the product directly to a computer with a USB cable. Redirect the product to the correct port, or reinstall the software, selecting the new connection type that you are using.

Factors that affect product performance

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

- Maximum product speed, measured in pages per minute (ppm)
- The use of special paper (such as transparencies, heavy paper, and custom-size paper)
- Product processing and download time
- The complexity and size of graphics
- The speed of the computer you are using
- The USB connection
- The product I/O configuration
- The network operating system and configuration (if applicable)
- The printer driver that you are using

Restore factory settings

1. At the product control panel, press the Home button.
2. Open the following menus:
   - Administration
   - General Settings
   - Restore Factory Settings
3. Press the OK button.

Interpret control-panel messages

Control-panel message types

Four types of control-panel messages can indicate the status of or problems with the product.

Message type	Description
Status messages	Status messages reflect the current state of the product. They inform you of normal product operation and require no interaction to clear them. They change as the state of the product changes. Whenever the product is ready, not busy, and has no pending warning messages, the **Ready** status message appears if the product is online.
Warning messages	Warning messages inform you of data and print errors. These messages typically alternate with the **Ready** or status messages and remain until you press the OK button. Some warning messages are clearable. If the **Clearable Warnings** menu in the **Display Settings** menu is set to the **Job** option , the next print job clears these messages.
Error messages	Error messages communicate that some action must be performed, such as adding paper or clearing a jam. Some error messages are auto-continuable. If the **Continuable Events** menu in the **Display Settings** menu is set to the **Auto-Continue** option, the product continues normal operation after an auto-continuable error message appears for 10 seconds. NOTE: Pressing any button during the 10-second auto-continuable error message overrides the auto-continue feature, and the button function takes precedence. For example, pressing the Stop button pauses printing and offers the option to cancel the print job.
Critical-error messages	Critical error messages inform you of a product failure. You can clear some of these messages by turning the product off and then on. These messages are not affected by the **Auto-Continue** setting. If a critical error persists, service is required.

Control-panel messages

The product provides robust control panel messaging. When a message appears on the control panel, follow the on-screen instructions to resolve the issue. If the product displays an “Error” or “Attention” message, and no steps are shown to resolve the issue, turn the product off then on. Contact HP support if you continue to experience issues with the product.

For additional information on a variety of topics, press the Help button.

Paper feeds incorrectly or becomes jammed

- The product does not pick up paper
- The product picks up multiple sheets of paper
- Prevent paper jams

The product does not pick up paper

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

1. Open the product and remove any jammed sheets of paper.
2. Load the tray with the correct size of paper for your job.
3. Make sure the paper guides in the tray are adjusted correctly for the size of paper. Adjust the guides to the appropriate indentation in the tray.
4. 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.

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 so they are touching the paper stack without bending it.

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.

Clear jams

Jam locations

If a jam message appears on the control-panel display, look for jammed paper or other print media in the locations that are indicated in the following illustration. Then follow the procedure for clearing the jam. You might need to look for paper in other locations than those that are indicated in the jam message. If the location of the jam is not obvious, look first in the top-cover area underneath the print cartridge.

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

1	Top-cover and print-cartridge areas
2	Optional envelope feeder
3	Tray areas (Tray 1, Tray 2, and optional trays)
4	Optional duplexer
5	Fuser area
6	Output areas (top bin; rear bin; and optional stacker, stapler/stacker, or 5-bin mailbox)

NOTE: Loose toner might remain in the product after a jam and cause temporary print-quality problems. These problems should clear up within a few pages.

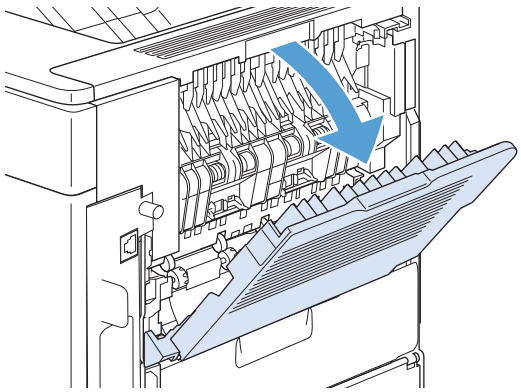
Clear jams from the output areas

Use these procedures to clear jams that occur in the rear output bin or in the optional stacker, stapler/stacker, or 5-bin mailbox.

Clear jams from the rear output bin

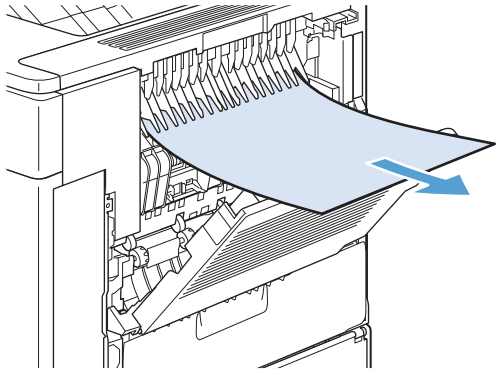
1. Open the rear output bin.

   NOTE: If most of the paper is still inside the product, it might be easier to remove it through the top-cover area.

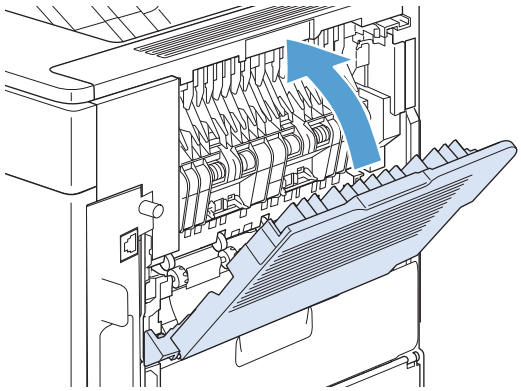


2. Grasp both sides of the paper, and slowly pull the paper out of the product. Loose toner might be on the sheet. Be careful not to spill it on yourself or into the product.

   NOTE: If the jammed paper is difficult to remove, try opening the top cover all the way to release pressure on the paper. If the sheet has torn, or if you still cannot remove it, clear the jam from the fuser area.



3. Close the rear output bin.



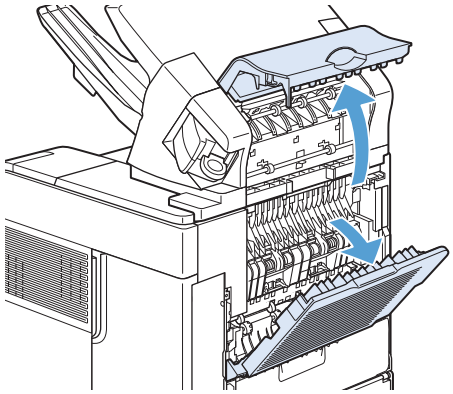
4. If a jam message persists, a sheet is still jammed in the product. Look for the jam in another location.

Clear jams from the optional stacker or stapler/stacker

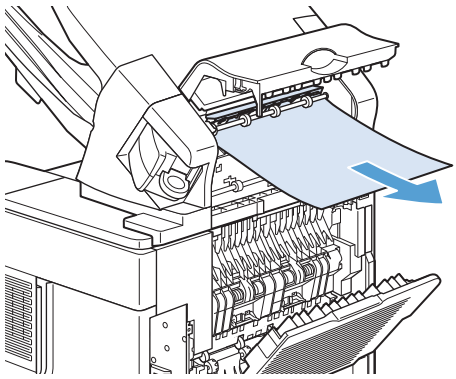
Paper jams can occur in the optional stacker or the optional stapler/stacker. Staple jams can occur only in the optional stapler/stacker.

Clear paper jams from the optional stacker or stapler/stacker

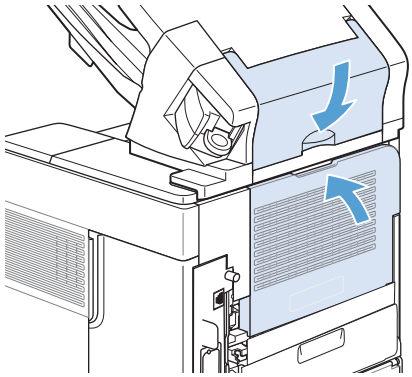
1. At the back of the product, open the door on the stacker or stapler/stacker, and open the rear output bin.



2. Carefully remove any jammed paper.



3. Close the door on the stacker or stapler/stacker, and close the rear output bin.



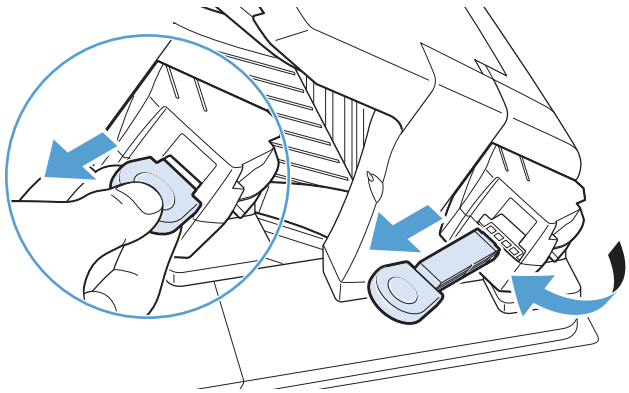
4. If a jam message persists, a sheet is still jammed. Look for it in another location. Check the front of the accessory and carefully remove any jammed paper.

   NOTE: The output bin must be pushed down into the lowest position for printing to continue.

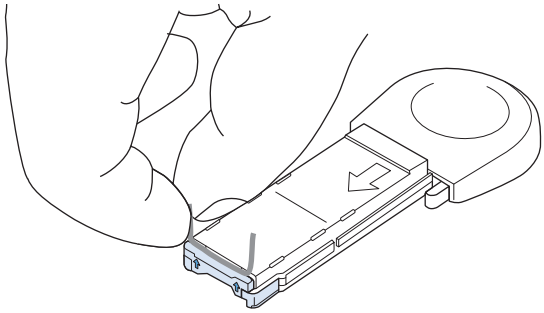
Clear staple jams from the optional stapler/stacker

The stapler needs to reload after clearing a staple jam, so the first few documents might not be stapled. If a print job is sent and the stapler is jammed or is out of staples, the job will still print as long as the path to the stacker bin is not blocked.

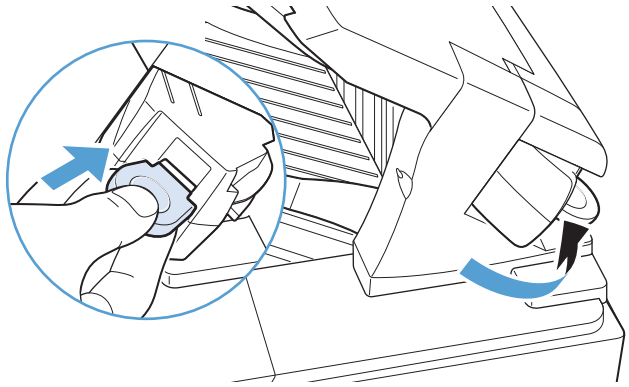
1. On the right side of the stapler/stacker, turn the stapler unit toward the front of the product until the unit clicks into the open position. Pull outward on the blue staple cartridge to remove it.



2. Rotate the green cover on the end of the staple cartridge upward, and remove the jammed staple.

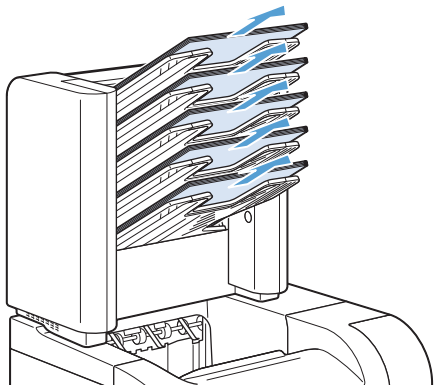


3. Insert the staple cartridge into the stapler unit, and rotate the stapler unit toward the rear of the product until the unit snaps into place.

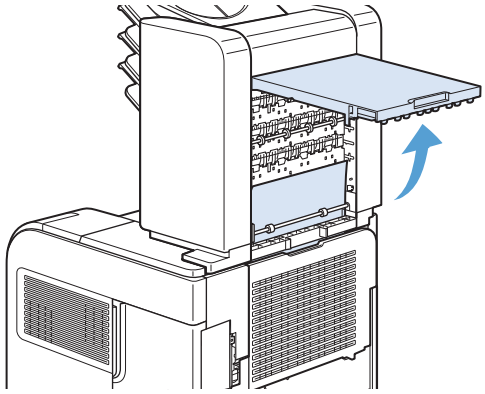


Clear jams from the optional 5-bin mailbox

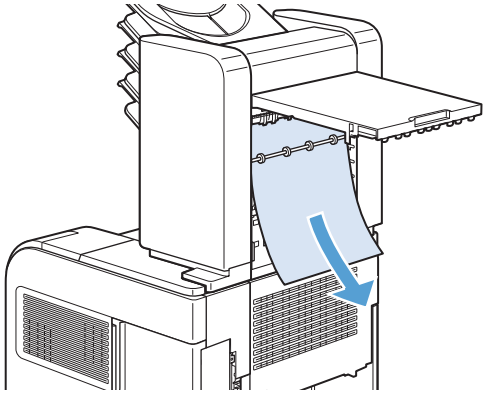
1. Remove any paper that is in the output bins.



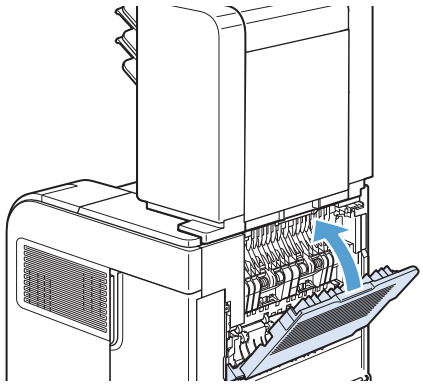
2. On the back of the 5-bin mailbox, open the jam-access door.



3. If the paper is jammed at the top of the 5-bin mailbox, pull it straight down to remove it.



4. If the paper is jammed at the bottom of the 5-bin mailbox, open the rear output bin, and then pull straight up on the paper to remove it.
5. Close the jam-access door and the rear output bin.

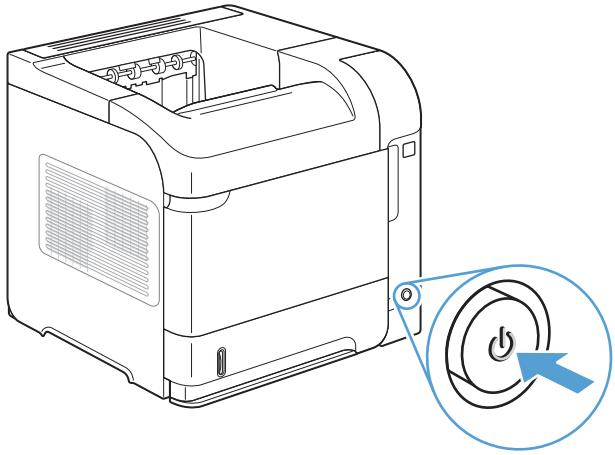


Clear jams from the fuser area

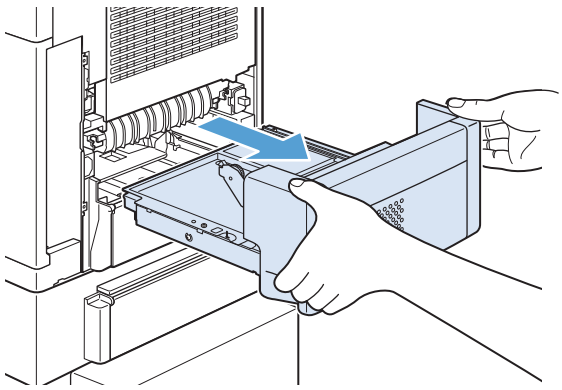
Use this procedure only in these situations:

- Paper has jammed inside the fuser and cannot be removed from the top-cover area or the rear-output area.
- A sheet of paper has torn while you were trying to clear a jam from the fuser.

1. Turn the product off.

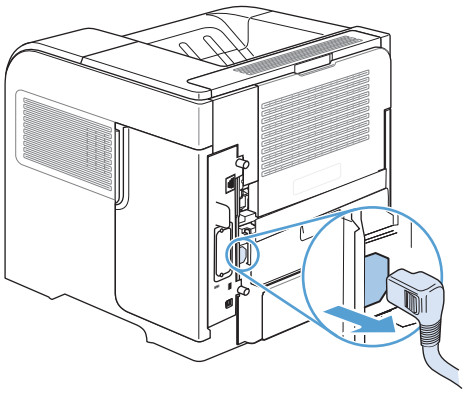


2. Rotate the product so the rear is facing you. If an optional duplexer is installed, lift it and pull it straight out. Set it aside.

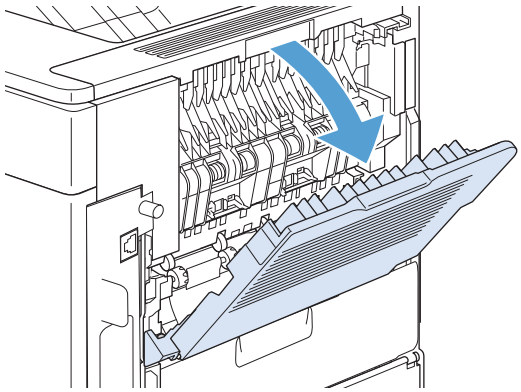


3. Disconnect the power cord.

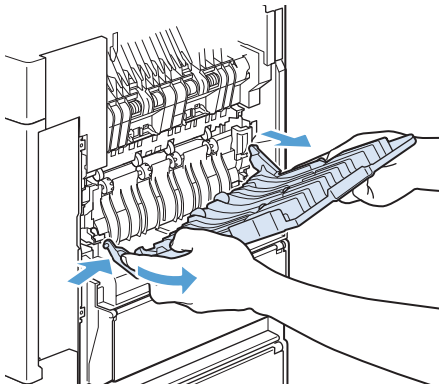
   WARNING! The fuser is very hot. To avoid minor burns, allow the fuser to cool before removing it from the product.



4. Open the rear output bin.

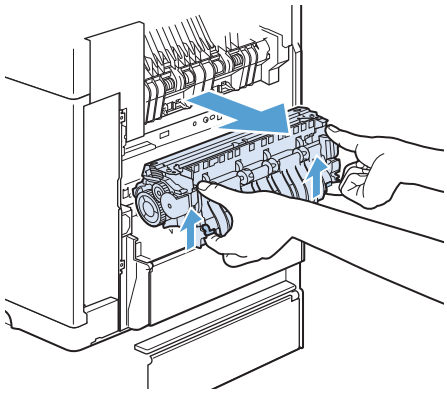


5. Remove the rear output bin. Place your finger near the left-side hinge, and push firmly to the right until the hinge-pin clears the hole inside the product. Rotate the output bin outward to remove it.



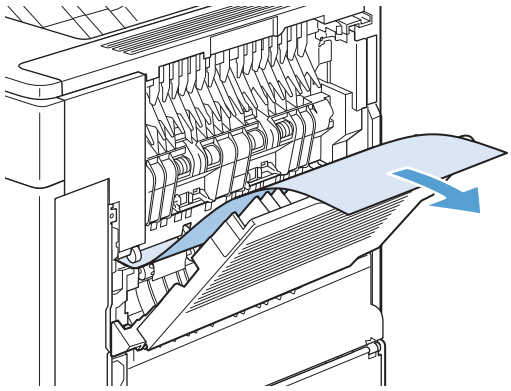
6. If paper is visible, remove it.

   If paper is not visible, push up on the two blue levers on the sides of the fuser, and pull the fuser straight out.

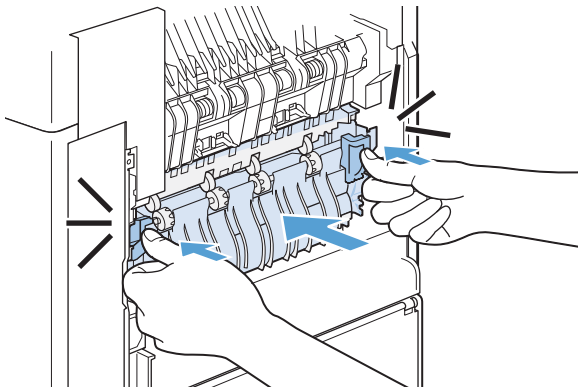


7. Remove the jammed paper. If necessary, lift the black plastic guide that is located on the top of the fuser to gain access to the jammed sheet.

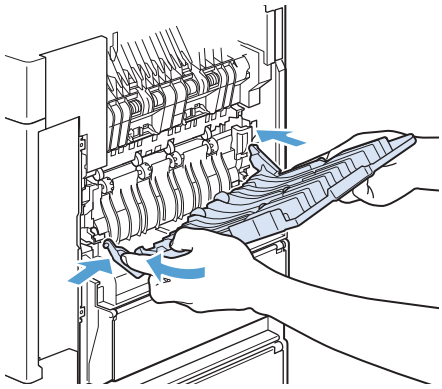
   CAUTION: Do not use a sharp or metal object to clear paper from the fuser area. You might damage the fuser.



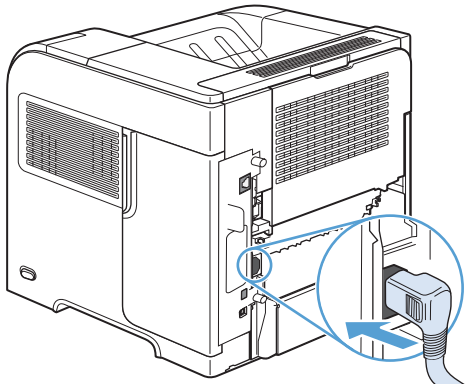
8. Push the fuser firmly into the product until the blue levers on both sides click into place.



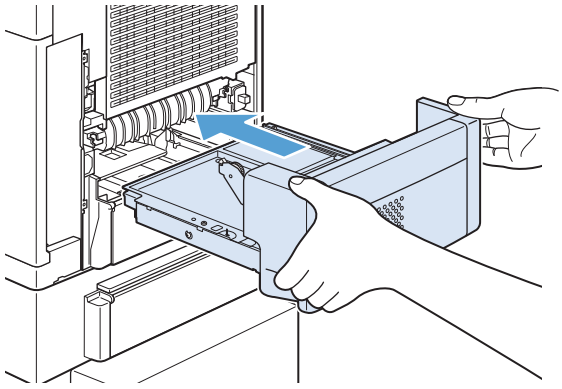
9. Reinstall the rear output bin. Insert the right hinge-pin into the hole inside the product. Push inward on the left hinge, and slide it into the hole inside the product. Close the rear output bin.



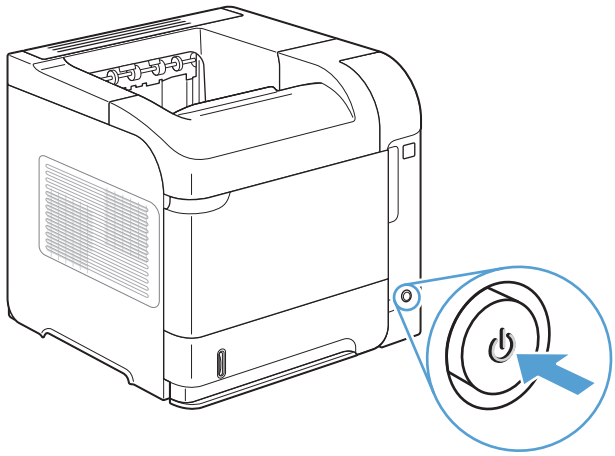
10. Plug the power cord into the product.



11. Replace the optional duplexer, if it was removed.



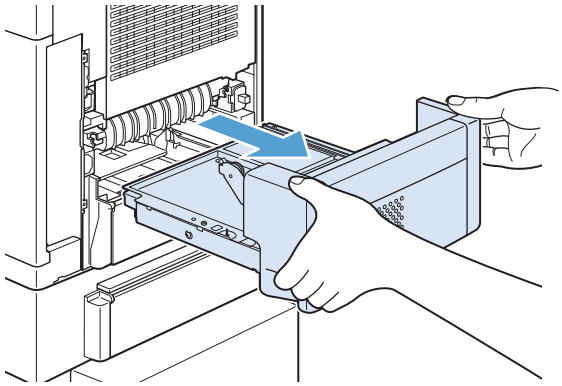
12. Turn the product on.



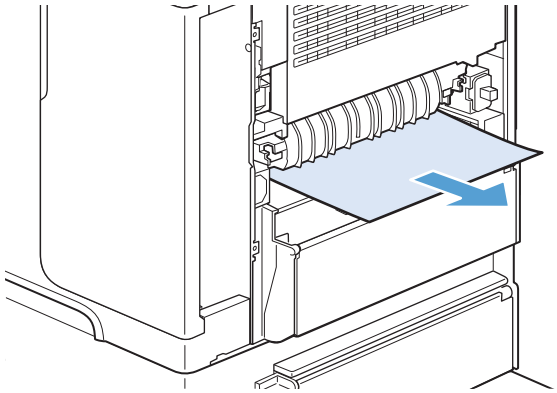
13. If a jam message persists, a sheet is still jammed in the product. Look for the jam in another location.

Clear jams from the optional duplexer

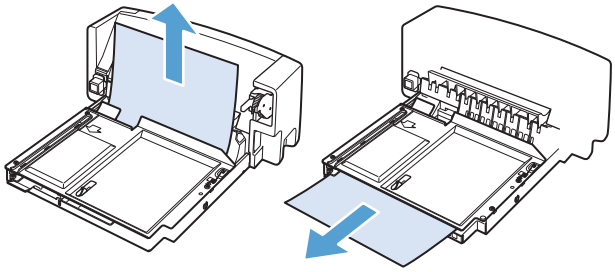
1. Lift the optional duplexer up and then pull it out to remove it.



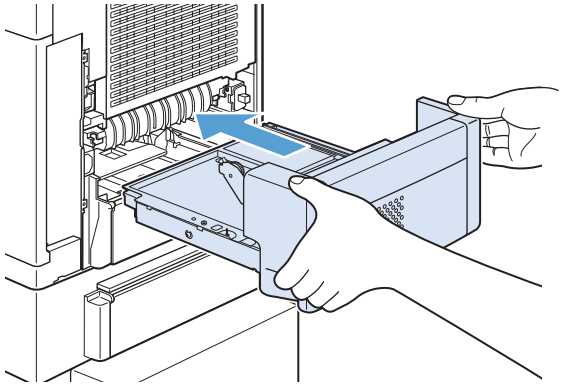
2. Remove any paper that is on top of Tray 2. (You might need to reach inside the product.)



3. Slowly pull any paper out of the optional duplexer.



4. Insert the optional duplexer into the product.



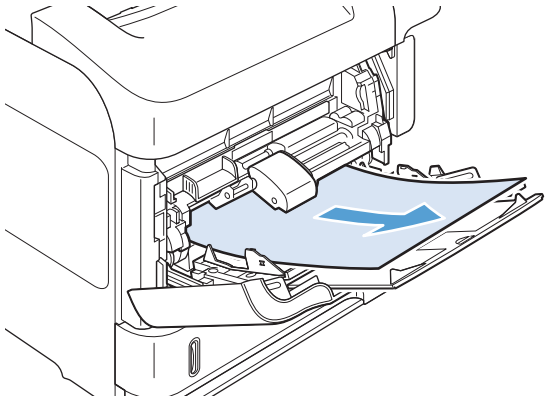
5. If a jam message persists, a sheet is still jammed in the product. Look for the jam in another location.

Clear jams from the trays

Use these procedures to clear jams from the trays.

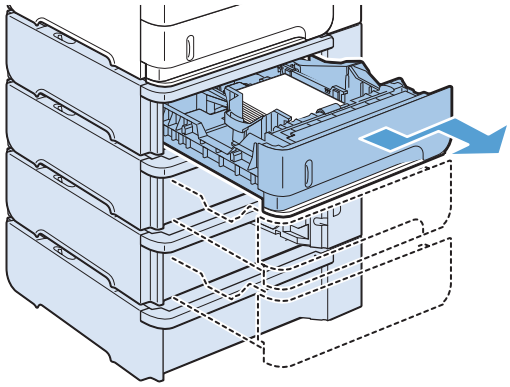
Clear jams from Tray 1

1. Slowly pull the jammed paper out of the product.

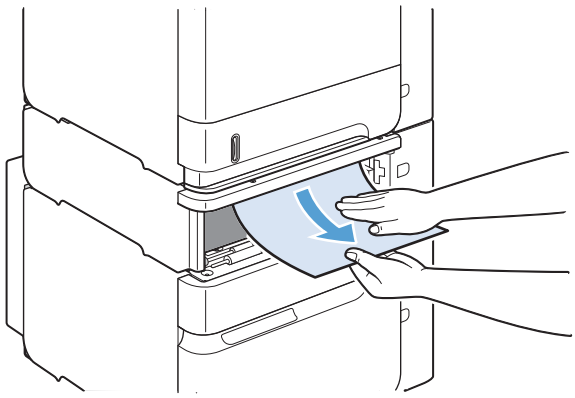


Clear jams from Tray 2 or an optional 500-sheet tray

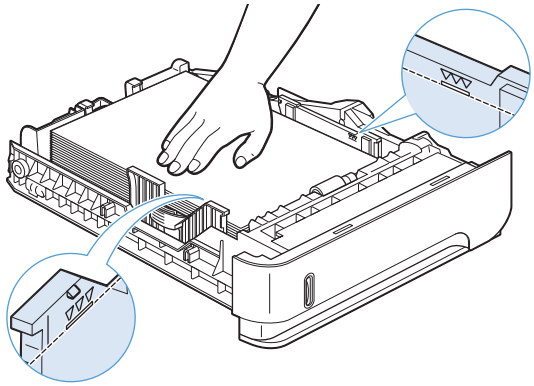
1. Slide the tray out of the product, lift it slightly, and remove any damaged paper from the tray.



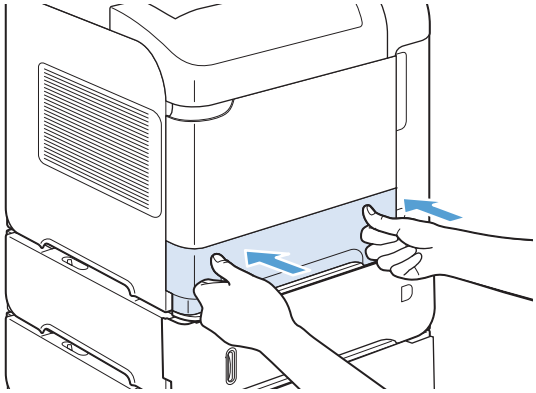
2. If the edge of the jammed paper is visible in the feed area, slowly pull the paper down and out of the product. (Do not pull the paper straight out, or it will tear.) If the paper is not visible, look in the next tray or in the top-cover area.



3. Make sure that the paper is flat in the tray at all four corners and below the maximum-height indicators.



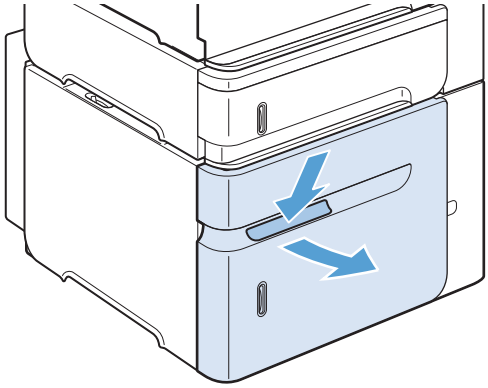
4. Slide the tray into the product.



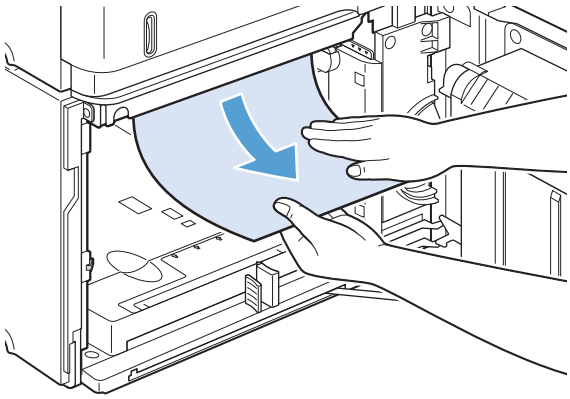
5. Press the OK button to clear the jam message.
6. If a jam message persists, a sheet is still jammed in the product. Look for the jam in another location.

Clear jams from the optional 1,500-sheet tray

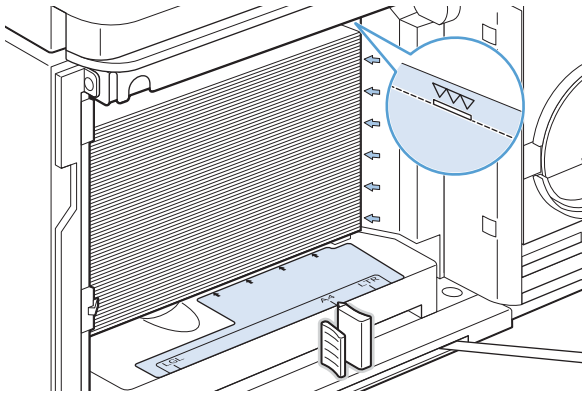
1. Open the front door of the tray.



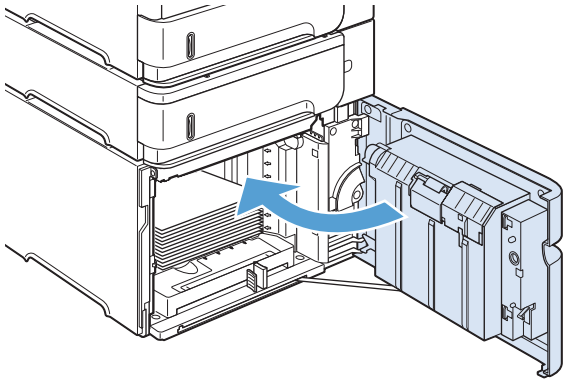
2. If the edge of the jammed paper is visible in the feed area, slowly pull the paper down and out of the product. (Do not pull the paper straight out, or it will tear.) If the paper is not visible, look in the top-cover area.



3. Make sure that the paper does not exceed the fill marks on the paper guides, and that the front edge of the stack is aligned with the arrows.



4. Close the front door of the tray.

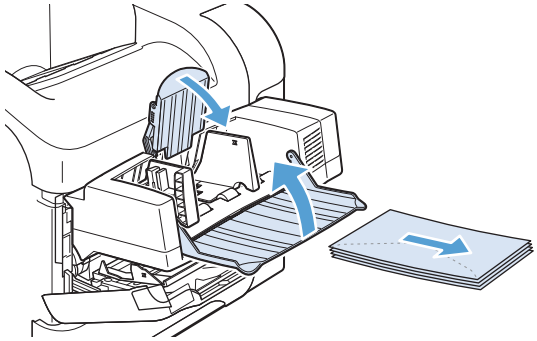


5. Press the OK button to clear the jam message.
6. If a jam message persists, a sheet is still jammed in the product. Look for the jam in another location.

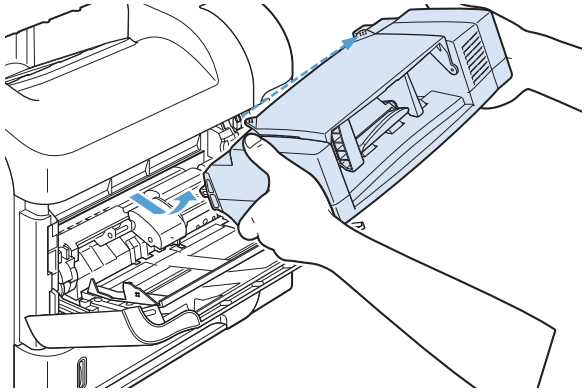
Clear jams from the optional envelope feeder

This procedure applies only to jams that occur when you are using an optional envelope feeder.

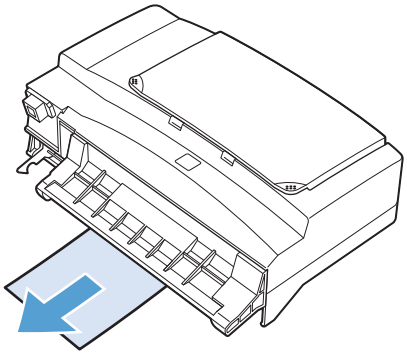
1. Remove any envelopes that are loaded in the optional envelope feeder. Lower the envelope weight and lift the tray extension up, to the closed position.



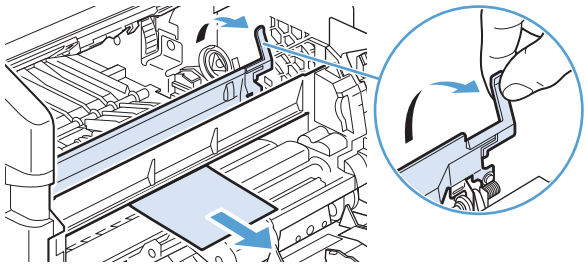
2. Grasp both sides of the optional envelope feeder and carefully pull it out of the product.



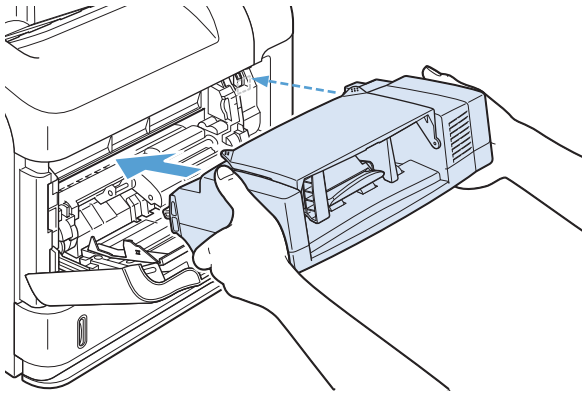
3. Slowly remove any jammed envelopes from the optional envelope feeder.



4. Slowly remove any jammed envelopes from the product.



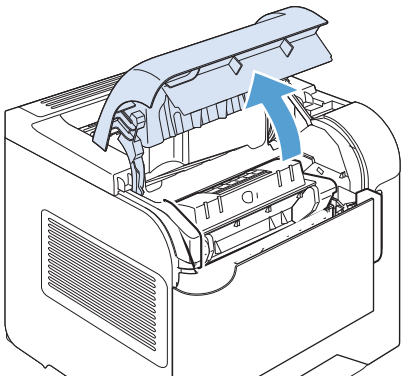
5. Reinstall the envelope feeder.



6. Press the OK button to clear the jam message.
7. If a jam message persists, an envelope is still jammed in the product. Look for the jam in another location.
8. Replace the envelopes, making sure that you push the bottom envelopes in slightly further than the top envelopes.

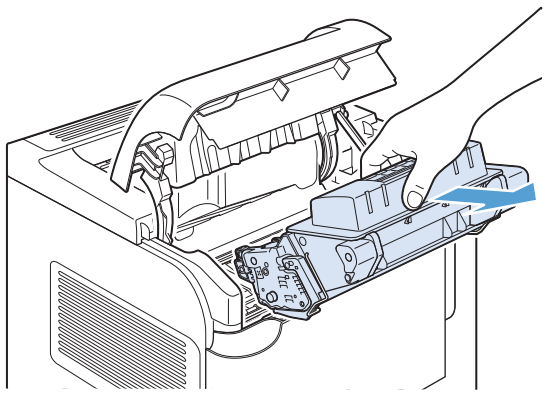
Clear jams from the top-cover and print-cartridge areas

1. Open the top cover.

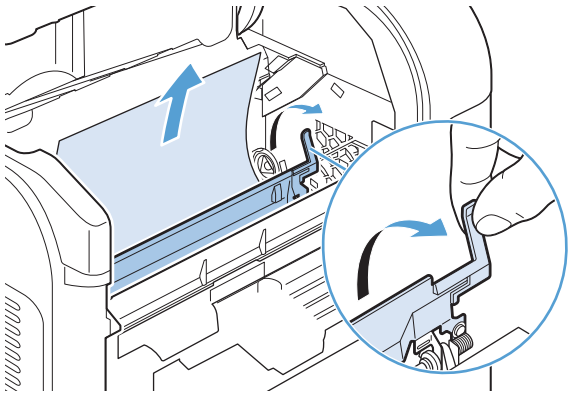


2. Remove the print cartridge.

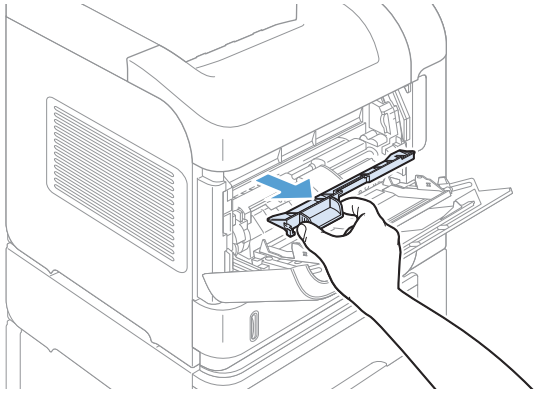
   CAUTION: To prevent damage to the print cartridge, do not expose it to light for more than a few minutes. Cover the print cartridge with a sheet of paper while it is outside of the product.



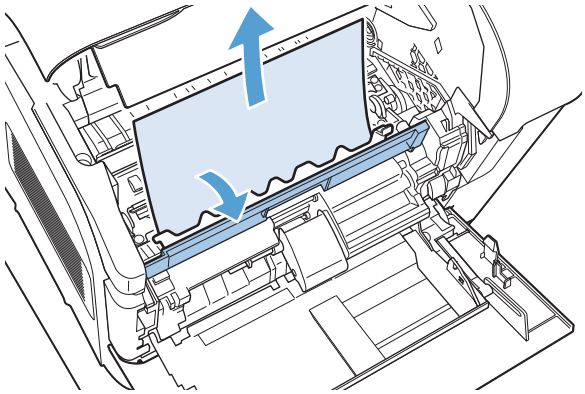
3. Use the green handle to lift the paper-access plate. Slowly pull the jammed paper out of the product. Do not tear the paper. If paper is difficult to remove, try clearing it from the tray area.



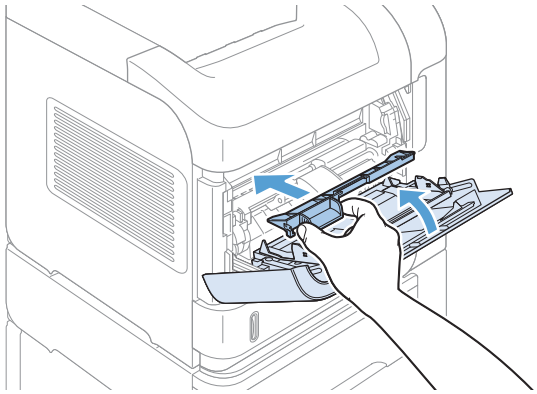
4. Open Tray 1 and remove the envelope accessory cover. If paper is present, remove it.



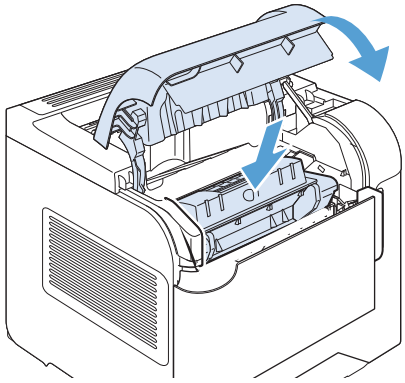
5. Rotate the paper guide to check for additional jammed paper underneath. If jammed paper is present, remove it.



6. Replace the envelope accessory cover and close Tray 1.



7. Reinstall the print cartridge and close the top cover.



8. If a jam message persists, jammed paper is still in the product. Look for the jam in another location.

Change jam recovery

This product provides a jam recovery feature that reprints jammed pages. The following options are available:

- Auto — The product attempts to reprint jammed pages when sufficient memory is available. This is the default setting.
- Off — The product does not attempt to reprint jammed pages. Because no memory is used to store the most recent pages, performance is optimal.

NOTE: When using this option, if the product runs out of paper and the job is being printed on both sides, some pages can be lost.

- On — The product always reprints jammed pages. Additional memory is allocated to store the last few pages printed. This might cause overall performance to suffer.

1. At the product control panel, press the Home button.
2. Open the following menus:
   - Administration
   - General Settings
   - Jam Recovery
3. Select the appropriate setting, and then press the OK button.

Improve print quality

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

- Use the correct paper type setting in the printer driver.
- Use paper that meets HP specifications for this product.
- Clean the product as necessary.
- Replace print cartridges when they are reaching the end of their estimated life and print quality is no longer acceptable.
- Use the printer driver that best meets your printing needs.

Select a paper type

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

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.

Print a cleaning page

Print a cleaning page to remove dust and excess toner from the paper path 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. At the product control panel, press the Home button.
2. Open the following menus:
   - **Device Maintenance**
   - **Calibrate/Cleaning**
3. Select the **Print Cleaning Page** item, and press the OK button to print the page.
4. The cleaning process can take several minutes. When it is finished, discard the printed page.

Check the print cartridge

Check the print cartridge, and replace it if necessary, if you are having any of the following problems:

- The printing is too light or seems faded in areas.
- Printed pages have small unprinted areas.
- Printed pages have streaks or bands.

NOTE: If you are using a draft or EconoMode print setting, the printing might appear light.

If you determine that you need to replace a print cartridge, print the supplies status page to find the part number for the correct genuine HP print cartridge.

Type of print cartridge	Steps to resolve the problem
Refilled or remanufactured print cartridge	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 print cartridge and are not satisfied with the print quality, replace the cartridge with a genuine HP cartridge.
Genuine HP print cartridge	1. The product control panel or the supplies status page indicates **Very Low** status when the cartridge has reached the end of its designated life. Replace the print cartridge if print quality is no longer acceptable. 2. Visually inspect the print cartridge for damage. See the instructions that follow. Replace the print cartridge if necessary. 3. If printed pages have marks that repeat several times at the same distance apart, print a cleaning page. If this does not solve the problem, use the repeating defects information in this document to identify the cause of the problem.

Use the printer driver that best meets your printing needs

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

HP PCL 6 driver	• 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	• 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	• 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 printer models • Preferred when printing to multiple printer models from a mobile Windows computer
HP UPD PCL 6	• Recommended for printing in all Windows environments • Provides the overall best speed, print quality, and printer 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 software programs that are based on PCL 5

Download additional printer drivers from this Web site: www.hp.com/go/lj600Series_software.

The product does not print or it prints slowly

The product does not print

If the product does not print at all, try the following solutions.

1. Make sure the product is turned on and that the control panel indicates it is ready.
   - If the control panel does not indicate the product is ready, turn the product off and then on again.
   - If the control panel indicates the product is ready, try sending the job again.
2. If the control panel indicates the product has an error, resolve the error and then try sending the job again.
3. Make sure the cables are all connected correctly. If the product is connected to a network, check the following items:
   - Check the light next to the network connection on the product. If the network is active, the light is green.
   - Make sure that you are using a network cable and not a phone cord to connect to the network.
   - Make sure the network router, hub, or switch is turned on and that it is working correctly.
4. Install the HP software from the CD that came with the product. Using generic printer drivers can cause delays clearing jobs from the print queue.
5. From the list of printers on your computer, right-click the name of this product, click **Properties**, and open the **Ports** tab.
   - If you are using a network cable to connect to the network, make sure the printer name listed on the **Ports** tab matches the product name on the product configuration page.
   - If you are using a USB cable and are connecting to a wireless network, make sure the box is checked next to **Virtual printer port for USB**.
6. If you are using a personal firewall system on the computer, it might be blocking communication with the product. Try temporarily disabling the firewall to see if it is the source of the problem.
7. If your computer or the product is connected to a wireless network, low signal quality or interference might be delaying print jobs.

The product prints slowly

If the product prints, but it seems slow, try the following solutions.

1. Make sure the computer meets the minimum specifications for this product. For a list of specifications, go to this Web site: www.hp.com/support/lj600Series.
2. When you configure the product to print on some paper types, such as heavy paper, the product prints more slowly so it can correctly fuse the toner to the paper. If the paper type setting is not correct for the type of paper you are using, change the setting to the correct paper type.

Solve walk-up USB printing problems

- The Retrieve From USB menu does not open when you insert the USB accessory
- The file does not print from the USB storage accessory
- The file that you want to print is not listed in the Retrieve From USB menu

The Retrieve From USB menu does not open when you insert the USB accessory

1. You might be using a USB storage accessory or a file system that this product does not support. Save the files on a standard USB storage accessory that uses File Allocation Table (FAT) file systems. The product supports FAT12, FAT16, and FAT32 USB storage accessories.
2. If another menu is already open, close that menu and then reinsert the USB storage accessory.
3. The USB storage accessory might have multiple partitions. (Some USB storage accessory manufacturers install software on the accessory that creates partitions, similar to a CD.) Reformat the USB storage accessory to remove the partitions, or use a different USB storage accessory.
4. The USB storage accessory might require more power than the product can provide.
   a. Remove the USB storage accessory.
   b. Turn the product off and then on.
   c. Use a USB storage accessory that has its own power supply or that requires less power.
5. The USB storage accessory might not be functioning correctly.
   a. Remove the USB storage accessory.
   b. Turn the product off and then on.
   c. Try printing from another USB storage accessory.

The file does not print from the USB storage accessory

1. Make sure paper is in the tray.
2. Check the control panel for messages. If paper is jammed in the product, clear the jam.

The file that you want to print is not listed in the Retrieve From USB menu

1. You might be trying to print a file type that the USB printing feature does not support. The product supports .pdf, .prn, .pcl, .ps, and .cht file types.
2. You might have too many files in a single folder on the USB storage accessory. Reduce the number of files in the folder by moving them to subfolders.
3. You might be using a character set for the file name that the product does not support. In this case, the product replaces the file names with characters from a different character set. Rename the files using ASCII characters.

Solve connectivity problems

Solve direct-connect problems

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

- Verify that the cable is connected to the computer and to the product.
- Verify that the cable is not longer than 5 m (16.4 ft). Try using a shorter cable.
- Verify that the cable is working correctly by connecting it to another product. Replace the cable if necessary.

Solve 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

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**, and then type `cmd`.

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 this setting 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 printer driver.

The computer or workstation might be set up incorrectly

1. Check the network drivers, printer drivers, and the network redirection.
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.

Solve product software problems with Windows

A printer driver for the product is not visible in the Printer folder

1. Reinstall the product software.

NOTE: Close any applications that are running. To close an application that has an icon in the system tray, right-click the icon, and select **Close** or **Disable**.

2. Try plugging the USB cable into a different USB port on the computer.

An error message was displayed during the software installation

1. Reinstall the product software.

NOTE: Close any applications that are running. To close an application that has an icon in the system tray, right-click the icon, and select **Close** or **Disable**.

2. Check the amount of free space on the drive where you are installing the product software. If necessary, free up as much space as you can, and reinstall the product software.
3. If necessary, run the Disk Defragmenter, and reinstall the product software.

The product is in Ready mode, but nothing prints

1. Print a configuration page, and verify the product functionality.
2. Verify that all of the cables are correctly seated and within specifications. This includes the USB and power cables. Try a new cable.
3. Verify that the IP address on the configuration page matches the IP address for the software port. Use one of the following procedures:

Windows XP, Windows Server 2003, Windows Server 2008, and Windows Vista

a. Click **Start**.

b. Click **Settings**.

c. Click **Printers and Faxes** (using the default Start menu view) or click **Printers** (using the Classic Start menu view).

d. Right-click the product driver icon, and then select **Properties**.

e. Click the **Ports** tab, and then click **Configure Port**.

f. Verify the IP address, and then click **OK** or **Cancel**.

g. If the IP addresses are not the same, delete the driver, and reinstall the driver using the correct IP address.

Windows 7

a. Click **Start**.

b. Click **Devices and Printers**.

c. Right-click the product driver icon, and then select **Printer properties**.

d. Click the **Ports** tab, and then click **Configure Port**.

e. Verify the IP address, and then click **OK** or **Cancel**.

f. If the IP addresses are not the same, delete the driver, and then reinstall the driver using the correct IP address.

Solve product software problems with Mac

- The printer driver is not listed in the Print & Fax list
- The product name does not appear in the product list in the Print & Fax list
- The printer driver does not automatically set up the selected product in the Print & Fax list
- A print job was not sent to the product that you wanted
- When connected with a USB cable, the product does not appear in the Print & Fax list after the driver is selected.
- You are using a generic printer driver when using a USB connection

The printer driver is not listed in the Print & Fax list

1. Make sure that the product .GZ file is in the following hard-drive folder: `Library/Printers/PPDs/Contents/Resources`. If necessary, reinstall the software.
2. If the GZ file is in the folder, the PPD file might be corrupt. Delete the file and then reinstall the software.

The product name does not appear in the product list in the Print & Fax list

1. Make sure that the cables are connected correctly and the product is on.
2. Print a configuration page to check the product name. Verify that the name on the configuration page matches the product name in the Print & Fax list.
3. Replace the USB or network cable with a high-quality cable.

The printer driver does not automatically set up the selected product in the Print & Fax list

1. Make sure that the cables are connected correctly and the product is on.
2. Make sure that the product .GZ file is in the following hard-drive folder: `Library/Printers/PPDs/Contents/Resources`. If necessary, reinstall the software.
3. If the GZ file is in the folder, the PPD file might be corrupt. Delete the file and then reinstall the software.
4. Replace the USB or network cable with a high-quality cable.

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

1. Open the print queue and restart the print job.
2. Another product with the same or similar name might have received your print job. Print a configuration page to check the product name. Verify that the name on the configuration page matches the product name in the Print & Fax list.

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

Software troubleshooting

- Make sure that your Mac operating system is Mac OS X 10.5 or later.

Hardware troubleshooting

1. Make sure that the product is turned on.
2. Make sure that the USB cable is connected correctly.
3. Make sure that you are using the appropriate high-speed USB cable.
4. Make sure that you do not have too many USB devices drawing power from the chain. Disconnect all of the devices from the chain, and connect the cable directly to the USB port on the computer
5. Check to see if more than two non-powered USB hubs are connected in a row on the chain. Disconnect all of the devices from the chain, and then connect the cable directly to the USB port on the computer.

NOTE: The iMac keyboard is a non-powered USB hub.

You are using a generic printer driver when using a USB connection

If you connected the USB cable before you installed the software, you might be using a generic printer driver instead of the driver for this product.

1. Delete the generic printer driver.
2. Reinstall the software from the product CD. Do not connect the USB cable until the software installation program prompts you.
3. If multiple printers are installed, make sure that you have selected the correct printer in the **Format For** drop-down menu in the **Print** dialog box.

A Product supplies and accessories

- Order parts, accessories, and supplies
- Part numbers

Order parts, accessories, and supplies

Order supplies and paper	www.hp.com/go/suresupply
Order genuine HP parts or accessories	www.hp.com/buy/parts
Order through service or support providers	Contact an HP-authorized service or support provider.
Order using HP software	Use the HP Embedded Web Server on page 147

Part numbers

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

Paper-handling accessories

Item	Description	Part number
Optional 500-sheet tray and feeder unit	Optional tray to increase paper capacity. Holds Letter, A4, Legal, A5, B5 (JIS), Executive, and 8.5 x 13 inch paper sizes. The product can accommodate up to four optional 500-sheet feeders.	CE998A
Optional 1,500-sheet tray and feeder unit	Optional tray to increase paper capacity. Holds Letter, Legal, and A4 paper sizes.	CE398A
Custom media cassette	Enables the product to print A6-size paper from Tray 2.	CB527A
Envelope feeder	Holds up to 75 envelopes.	CE399A
Duplexer (duplex printing accessory)	Allows automatic printing on both sides of the paper.	CF062A
500-sheet stacker	Provides an additional output bin that holds 500 sheets.	CE404A
500-sheet stapler/stacker	Allows for high-volume output with automatic job finishing. Staples up to 15 sheets of paper.	CE405A
HP 5-bin mailbox	Provides five output bins that you can use to sort jobs.	CE997A
Printer stand	Provides stability when multiple optional trays are installed. The stand has casters so you can easily move the product.	CF063A

Customer self-repair parts

The following Customer Self-Repair parts are available for your 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 your 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[1]	Self-replacement options	Part number
HP LaserJet black print cartridge	Standard black cartridge	Mandatory	CE390A
HP LaserJet black print cartridge	High-capacity black cartridge NOTE: M602 and M603 models only	Mandatory	CE390X

Item	Description[1]	Self-replacement options	Part number
1,000-staple cartridge	Provides three staple cartridges.	Mandatory	Q3216A
Preventive maintenance kit	Includes a replacement fuser, a transfer roller, a transfer-roller tool, a Tray 1 roller, eight feed rollers, and one pair of disposable gloves. Includes instructions for installing each component.	Mandatory	110-volt product maintenance kit: CF064A 220-volt product maintenance kit: CF065A
44 x 32-pin DDR2 memory DIMM, 512 MB	Boosts the ability of the product to handle large or complex print jobs.	Mandatory	CE483A

[1] For more information, go to www.hp.com/go/learnaboutsupplies.

Cables and interfaces

Item	Description	Part number
HP Jetdirect print server devices	HP Jetdirect 2700w USB Wireless device	J8026A
USB cable	2-meter (6-ft) A-to-B cable	C6518A

B Service and support

- HP limited warranty statement
- HP's Premium Protection Warranty: LaserJet print cartridge limited warranty statement
- Data stored on the print cartridge
- End User License Agreement
- Customer self-repair warranty service
- Customer support
- Repack the product

HP limited warranty statement

HP PRODUCT	DURATION OF LIMITED WARRANTY
HP LaserJet 600 M601n, M601dn, M602n, M602dn, M602x, M603n, M603dn, M603xh	One-year return-to-bench repair warranty

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

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

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

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

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

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

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Data stored on the print cartridge

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

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

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

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

Any third party possessing the print cartridge might have access to the anonymous information on the memory chip. If you prefer to not allow access to this information, you can render the chip inoperable. However, after you render the memory chip inoperable, the memory chip cannot be used in an HP product.

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Rev. 04/09

Customer self-repair warranty service

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

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

Customer support

Get telephone support for your country/region Have the product name, serial number, date of purchase, and problem description ready.	Country/region phone numbers are on the flyer that was in the box with your product or at www.hp.com/support/.
Get 24-hour Internet support	www.hp.com/support/lj600Series
Get support for products used with a Macintosh computer	www.hp.com/go/macosx
Download software utilities, drivers, and electronic information	www.hp.com/go/lj600Series_software
Order additional HP service or maintenance agreements	www.hp.com/go/carepack
Register your product	www.register.hp.com

Repack the product

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

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

1. Remove and retain any DIMM cards that you have purchased and installed in the product.

   ⚠ CAUTION: Static electricity can damage electronic parts. When handling DIMMs, either wear an antistatic wrist strap, or frequently touch the surface of the DIMM antistatic package and then touch bare metal on the product.

2. Remove and retain the print cartridge.

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

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

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

C Product specifications

- Physical specifications
- Power consumption, electrical specifications, and acoustic emissions
- Operating environment

Physical specifications

Table C-1 Product dimensions and weights

Product model	Height	Depth	Width	Weight
n and dn models	394 mm (15.5 in)	4515 mm (17.8 in)	425 mm (16.75 in)	23.6 kg (51.9 lb)
x and xh models	514 mm (20.25 in)	451 mm (17.8 in)	425 mm (16.75 in)	30.4 kg (66.8 lb)
Optional 500-sheet feeder	121 mm (4.8 in)	448.4 mm (17.7 in)	415 mm (16.3 in)	6.7 kg (14.7 lb)
Optional 1500-sheet tray	263.5 mm (10.4 in)	511.5 mm (20.1 in)	421 mm (16.6 in)	13 kg (28.7 lb)
Optional duplexing unit	154 mm (6.1 in)	348 mm (13.7 in)	332 mm (13.1 in)	2.5 kg (5.5 lb)
Optional envelope feeder	113 mm (4.4 in)	354 mm (13.9 in)	328 mm (12.9 in)	2.5 kg (5.5 lb)
Optional stapler/stacker	371 mm (14.6 in)	430 mm (16.9 in)	387 mm (15.2 in)	4.2 kg (9.3 lb)
Optional stacker	304 mm (12 in)	430 mm (16.9 in)	378 mm (14.9 in)	3.2 kg (7.1 lb)
Optional multi-bin mailbox	522 mm (20.6 in)	306 mm (12 in)	353 mm (13.9 in)	7.0 kg (15.4 lb)
Optional printer stand	114 mm (4.5 in)	653 mm (25.7 in)	663 mm (26.1 in)	13.6 kg (30 lb)

Table C-2 Product dimensions with all doors and trays fully opened

Product model	Height	Depth	Width
n and dn models	394 mm (15.5 in)	864 mm (34.0 in)	425 mm (16.75 in)
x and xh models	514 mm (20.25 in)	864 mm (34.0 in)	425 mm (16.75 in)

Power consumption, electrical specifications, and acoustic emissions

See www.hp.com/go/lj600Series_regulatory for current information.

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

Operating environment

Table C-3 Necessary conditions

Environmental condition	Printing	Storage/standby
Temperature (product and print cartridge)	7.5° to 32.5°C (45.5° to 90.5°F)	0° to 35°C (32° to 95°F)
Relative humidity	5% to 90%	35% to 85%

D Regulatory information

- FCC regulations
- Environmental product stewardship program
- Declaration of Conformity
- Safety statements

FCC regulations

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

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

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

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

Environmental product stewardship program

Protecting the environment

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

Ozone production

This product generates no appreciable ozone gas (O_3).

Power consumption

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

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

www.hp.com/go/energystar

Toner consumption

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

Paper use

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

Plastics

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

HP LaserJet print supplies

It's easy to return and recycle your HP LaserJet print cartridges after use—free of charge—with HP Planet Partners. Multilingual program information and instructions are included in every new HP LaserJet print cartridge and supplies package. You help reduce the toll on the environment further when you return multiple cartridges together rather than separately.

HP is committed to providing inventive, high-quality products and services that are environmentally sound, from product design and manufacturing to distribution, customer use and recycling. When you participate in the

HP Planet Partners program, we ensure your HP LaserJet print cartridges are recycled properly, processing them to recover plastics and metals for new products and diverting millions of tons of waste from landfills. Since this cartridge is being recycled and used in new materials, it will not be returned to you. Thank you for being environmentally responsible!

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

Return and recycling instructions

United States and Puerto Rico

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

Multiple returns (more than one cartridge)

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

OR

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

Single returns

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

Shipping

For US and Puerto Rico HP LaserJet print cartridge recycling returns, use the pre-paid, pre-addressed shipping label contained in the box. To use the UPS label, give the package to the UPS driver during your next delivery or pick-up, or take it to an authorized UPS drop-off center. (Requested UPS Ground pickup will be charged normal pick-up rates) For the location of your local UPS drop-off center, call 1-800-PICKUPS or visit www.ups.com.

If you are returning the package with the FedEx label, give the package to either the U.S. Postal Service carrier or FedEx driver during your next pick-up or delivery. (Requested FedEx Ground pickup will be charged normal pick-up rates). Or, you can drop off your packaged print cartridge(s) at any U.S. Post Office or any FedEx shipping center or store. For the location of your nearest U.S. Post Office, please call 1-800-ASK-USPS or visit www.usps.com. For the location of your nearest FedEx shipping center/store, please call 1-800-GOFEDEX or visit www.fedex.com.

For more information, or to order additional labels or boxes for bulk returns, visit www.hp.com/recycle or call 1-800-340-2445. Information subject to change without notice.

Residents of Alaska and Hawaii

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

Non-U.S. returns

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

Paper

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

Material restrictions

This HP product does not contain added mercury.

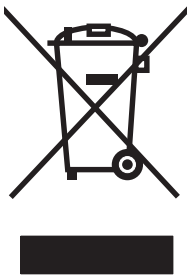
This HP product contains a battery that might require special handling at end-of-life. The batteries contained in or supplied by Hewlett-Packard for this product include the following:

HP LaserJet Enterprise 600 M601, M602, and M603 Series Printer	
Type	Carbon monofluoride lithium
Weight	1.5 g
Location	On formatter board
User-removable	No

廢電池請回收

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

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



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

Chemical substances

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

Material Safety Data Sheet (MSDS)

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

For more information

To obtain information about these environmental topics:

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

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

Declaration of Conformity

Declaration of Conformity

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

Manufacturer's Name:	Hewlett-Packard Company	DoC#: BOISB-1101-00-rel.1.0
Manufacturer's Address:	11311 Chinden Boulevard	
	Boise, Idaho 83714-1021, USA	

declares, that the product

Product Name:	HP LaserJet Enterprise 600 M601, M602, and M603
	Including:
	CE998A – 500-sheet paper tray
	CF062A – Duplexer
Regulatory Model Number[2)]	BOISB-1101-00
Product Options:	ALL
Print Cartridges:	CE390A, CE390X

conforms to the following Product Specifications:

SAFETY:	IEC 60950-1:2005 / EN60950-1: 2006 +A11
	IEC 60825-1:2007 / EN 60825-1:2007 (Class 1 Laser/LED Product)
	IEC 62311:2007 / EN62311:2008
	GB4943-2001
EMC:	CISPR22:2005 +A1/ EN55022:2006 +A1 - Class B[1)]
	EN 61000-3-2:2006
	EN 61000-3-3:2008
	EN 55024:1998 +A1 +A2
	FCC Title 47 CFR, Part 15 Class B / ICES-003, Issue 4
	GB9254-2008, GB17625.1-2003
ENERGY USE:	Regulation (EC) No. 1275/2008
	ENERGY STAR® Qualified Imaging Equipment Typical Electricity Consumption (TEC) Test Procedure

Supplementary Information:

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

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

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

Boise, Idaho USA

September 2011

For regulatory topics only:

European Contact:	Your Local Hewlett-Packard Sales and Service Office or Hewlett-Packard GmbH, Department HQ-TRE / Standards Europe, Herrenberger Straße 140, D-71034, Böblingen (FAX: +49-7031-14-3143) www.hp.eu/certificates
USA Contact:	Product Regulations Manager, Hewlett-Packard Company, PO Box 15, Mail Stop 160, Boise, Idaho 83707-0015 (Phone: 208-396-6000)

Safety statements

Laser safety

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

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

Canadian DOC regulations

Complies with Canadian EMC Class B requirements.

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

VCCI statement (Japan)

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

Power cord instructions

Make sure your power source is adequate for the product voltage rating. The voltage rating is on the product label. The product uses either 100-127 Vac or 220-240 Vac and 50/60 Hz.

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

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

Power cord statement (Japan)

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

EMC statement (Korea)

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

Product Stability

Do not extend more than one paper tray at a time.

Laser statement for Finland

Luokan 1 laserlaite

Klass 1 Laser Apparat

HP LaserJet 600 M601n, M601dn, M602n, M602dn, M602x, M603n, M603dn, M603xh, laserkirjoitin on käyttäjän kannalta turvallinen luokan 1 laserlaite. Normaalissa käytössä kirjoittimen suojakotelointi estää lasersäteen pääsyn laitteen ulkopuolelle. Laitteen turvallisuusluokka on määritetty standardin EN 60825-1 (2007) mukaisesti.

VAROITUS !

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

VARNING !

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

HUOLTO

HP LaserJet 600 M601n, M601dn, M602n, M602dn, M602x, M603n, M603dn, M603xh - kirjoittimen sisällä ei ole käyttäjän huollettavissa olevia kohteita. Laitteen saa avata ja huoltaa ainoastaan sen huoltamiseen koulutettu henkilö. Tällaiseksi huoltotoimenpiteeksi ei katsota väriainekasetin vaihtamista, paperiradan puhdistusta tai muita käyttäjän käsikirjassa lueteltuja, käyttäjän tehtäväksi tarkoitettuja ylläpitotoimia, jotka voidaan suorittaa ilman erikoistyökaluja.

VARO !

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

VARNING !

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

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

GS statement (Germany)

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

Substances Table (China)

有毒有害物质表

根据中国电子信息产品污染控制管理办法的要求而出台

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

0609

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

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

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

Restriction on Hazardous Substances statement (Turkey)

Türkiye Cumhuriyeti: EEE Yönetmeliğine Uygundur

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