LASERJET ENTERPRISE 500 COLOR MFP M575
LASERJET ENTERPRISE COLOR FLOW MFP M575

Software Technical Reference

M575dn/M575f

M575c

HP LaserJet Enterprise 500 color MFP M575 or HP LaserJet Enterprise color flow MFP M575

Software technical reference

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1 Product basics and Windows® software description

The chapter provides information about these topics:

- Purpose and scope
- Software availability and localization
- Windows® printing-system software
- Available software solutions/components/utilities
- Driver configuration for Windows®
- HP Embedded Web Server
- HP Web Jetadmin
- HP ePrint
- HP Print View Software
- HP MFP Send Fax Driver
- Advanced color use
- Printer Adminstrator Resource Kit (PARK)
- Help & Learn Center

Purpose and scope

Software Technical Reference overview

This software technical reference (STR) provides information about, and troubleshooting tips for, the printing-system software for the product.

This STR is prepared in an electronic format to serve as a quick-reference tool for Customer Care Center (CCC) agents, support engineers, system administrators, management information systems (MIS) personnel, and end users, as appropriate.

The following information is included in this STR:

- Descriptions of drivers, operating systems, and system environments
- Descriptions of installing and uninstalling the printing-system software components

For information about the location of information within chapters, see the table of contents. An index is also provided in this STR.

NOTE: The product name, either HP LaserJet Enterprise 500 color MFP M575 or HP LaserJet Enterprise color flow MFP M575, will show in the title bar on all installer and printer properties windows. The name in your installation may differ slightly from the name shown in the graphics.

Software availability and localization

This section provides information about the availability of the HP LaserJet Enterprise 500 color MFP M575 and the HP LaserJet Enterprise color flow MFP M575 printing-system software and related software and firmware.

Printing-system software on the Web

All software that is contained on the installation CD is also available on the Web.

Web deployment is the preferred method for obtaining the latest software. The Web site offers an option for automatic e-mail notification about new software releases.

The HP LaserJet Enterprise 500 color MFP M575 and HP LaserJet Enterprise color flow MFP M575 printing-system software are both available for download:

- For HP LaserJet Enterprise 500 color MFP M575: www.hp.com/go/lj500colorMFPM575_software
- For HP LaserJet Enterprise color flow MFP M575: www.hp.com/go/ljcolorflowMFPM575_software

In-box printing-system software CD

The software CD for the product contains a variety of files for installing the printing-system software on the computer. This section describes the files that are available on the software CD and provides additional information about support and availability.

The printing-system software CD is divided into two partitions, one for Windows® operating systems and one for Mac operating systems.

The files in each partition include documentation files and files that are required in order to install and uninstall the printing-system components.

The CD shipped with your product only contains the software specific to the product. The CD labeled HP LaserJet Enterprise 500 color MFP M575 can only be used with the HP LaserJet Enterprise 500 color MFP M575 product and cannot be used with the HP LaserJet Enterprise color flow MFP M575 product. Similarly, the CD labeled HP LaserJet Enterprise color flow MFP M575 only has the software for the HP LaserJet Enterprise color flow MFP M575 product.

HP LaserJet software CD, Windows® partition

The root directory in the Windows® partition of the software CD contains the AUTORUN.EXE file, the SETUP.EXE file, the .inf files, driver files, and the following directories:

NOTE: When installing with the Windows® Add Printer Wizard, use these files:

HP LaserJet Enterprise 500 color MFP M575: hpcm575c.inf for a 32-bit installation and hpcm575u.inf for a 64-bit installation

HP LaserJet Enterprise color flow MFP M575: hpcm57Xc.inf for a 32-bit installation and hpcm57Xu.inf for a 64-bit installation

- Documents
- Drivers
- Installer
- Installer Content
- Languages
- Prerequisites
- Setup
- Utilities

The **Utilities** folder contains the files to run the following stand-alone utilities:

- FileToEmail
- LogAnalyzer
- Scrubber

CD versions and language support

The user guide is provided in two versions, the basic user guide and the full user guide.

The basic user guide is a reduced user guide and can be found on the in-box software CD. The full user guide contains all the product use information and can be found at www.hp.com.

The basic user guide is included on the in-box software CD in .Chm format.

.Chm files are included in 31 languages for Windows® and 17 languages for Mac.

The user guide can be found in the **Start** menu by clicking:

- HP LaserJet Enterprise 500 color MFP M575: **Start\All Programs\HP\HP LaserJet Enterprise 500 color MFP M575\Help & Learn Center**
- HP LaserJet Enterprise color flow MFP M575: **Start\All Programs\HP\HP LaserJet Enterprise color flow MFP M575\Help & Learn Center**

The user guides can also be found on the CD here:

- For HP LaserJet Enterprise 500 color MFP M575: \\CD ROOT\Documents\program files\HP\HP LaserJet Enterprise 500 color MFP M575\Help_Learn
- For HP LaserJet Enterprise color flow MFP M575: \\CD ROOT\Documents\program files\HP\HP LaserJet Enterprise color flow MFP M575\Help_Learn

One of the following 30 languages will be installed automatically based on the language settings of the PC.

Table 1-1 Installer CD languages

Language	Language designator
English	emww
French (Francais)	frww
German (Deutsch)	deww
Italian (Italiano)	itww
Spanish (Espanol)	esww
Simplified Chinese	zhcn
Catalan (El catala)	caww
Croatian (Hrvatski)	hrww
Czech (Cestina)	csww
Danish (Dansk)	daww
Dutch (Nederlands)	nlww
Finnish (Suomi)	fiww
Greek	elww
Hungarian (Magyar)	huww
Bahasa Indonesian	idww
Japanese	jaww
Kazakh [1]	kkww
Korean	koww
Norwegian (Norsk)	noww
Polish (Polski)	plww
Portuguese (Portugues)	ptww
Romanian (Romana)	roww
Russian	ruww
Slovak (Sloveneina)	skww
Slovenian (Slovenseina)	slww

Table 1-1 Installer CD languages (continued)

Language	Language designator
Swedish (Svenska)	svww
Thai	thww
Traditional Chinese	zhtw
Turkish (Turkce)	trww
Arabic	arww
Hebrew	heww

[1] Not installed automatically but can be found on the CD at: \\CD ROOT\documents\program files\HP LaserJet Enterprise 500 color MFP M575\Help_Learn for HP LaserJet Enterprise 500 color MFP M575 and \\CD ROOT\documents\program files\HP LaserJet Enterprise color flow MFP M575\Help_Learn for HP LaserJet Enterprise color flow MFP M575.

When the in-box software Installer CD is run, the user guide can be viewed by clicking **More Options**, **Documentation**, then **HP Help and Learn Center**. The Installer CD screen is shown in Figure 1-2 Installer CD documentation screen on page 32.

Driver languages

The HP LaserJet Enterprise 500 color MFP M575 and HP LaserJet Enterprise color flow MFP M575 products both provide driver support in the following languages.

Table 1-2 Supported print driver languages

Component	Language list	
HP PCL 6 discrete print driver	• Arabic	• Japanese
HP PCL 5 Universal Print Driver	• Bulgarian	• Korean
HP PCL 6 Universal Print Driver	• Catalan	• Latvian
HP PS Universal Print Driver	• Croatian	• Lithuanian
	• Czech	• Norwegian
	• Danish	• Polish
	• Dutch	• Portuguese
	• English	• Romanian
	• Estonian	• Russian
	• Finnish	• Serbian
	• French	• Slovak
	• German	• Slovenian
	• Greek	• Spanish
	• Hebrew	• Swedish
	• Hungarian	• Thai
	• Italian	• Turkish
		• Ukrainian
		• Simplified Chinese
		• Traditional Chinese

Installer languages

The HP LaserJet Enterprise 500 color MFP M575 and HP LaserJet Enterprise color flow MFP M575 products both provide installer component support in the following languages.

Table 1-3 Installer component languages

Component	Language list	
Administrator install	• Arabic	• Korean
Common Windows® Installer	• Bahasa Indonesian	• Norwegian
Web Registration	• Catalan	• Polish
NOTE: Web Registration is run when the install is complete, and is not installed on the user's system.	• Croatian	• Portuguese
	• Czech	• Romanian
	• Danish	• Russian
	• Dutch	• Slovak
	• English	• Slovenian
	• Finnish	• Spanish
	• French	• Swedish
	• German	• Thai
	• Greek	• Turkish
	• Hebrew	• Simplified Chinese
	• Hungarian	• Traditional Chinese
	• Italian	
	• Japanese	

Documentation languages

The HP LaserJet Enterprise 500 color MFP M575 and HP LaserJet Enterprise color flow MFP M575 products both provide documentation in the following languages.

Table 1-4 Documentation languages

Component	Language list	

• *Driver Preconfiguration User Guide* (Available in English only)
• *HP JetDirect Administrator's Guide* (.PDF file) (with the following exceptions)
  ◦ Catalan documentation in Spanish only
  ◦ No documentation in: Arabic, Czech, Greek, Hebrew, Croatian, Romanian, Slovak, Slovenian, Serbian, Turkish
• *Install Notes (.HTML file)*
	• Arabic
	• Catalan
	• Croatian
	• Czech
	• Danish
	• Dutch
	• English
	• Finnish
	• French
	• German
	• Greek
	• Hebrew
	• Hungarian
	• Italian
	• Japanese
		• Korean
		• Norwegian
		• Polish
		• Portuguese
		• Romanian
		• Russian
		• Slovak
		• Slovenian
		• Spanish
		• Swedish
		• Thai
		• Turkish
		• Simplified Chinese
		• Traditional Chinese

Windows® printing-system software

HP Color LaserJet print drivers

Print drivers provide the printing features and communication between the computer and the product. The software CD includes software for end users and network administrators who are working in the following operating environments:

Operating systems supported for the print drivers for HP LaserJet Enterprise 500 color MFP M575

HP PCL 6 discrete, HP UPD PCL 5, HP PD PCL 6, HP UPD PS, and Mac drivers

- Windows® XP SP 2 or greater (32-bit and 64-bit)
- Windows® Server 2003 SP 1 or greater (32 bit and 64 bit)
- Windows® Server 2008 (32-bit and 64-bit)
- Windows® Server 2008 R2 (64-bit)
- Windows Vista® (32-bit and 64-bit)
- Windows® 7 (32-bit and 64-bit)
- Mac OS X 10.5, OS X 10.6, OS X 10.7

Operating systems supported for the print drivers for HP LaserJet Enterprise color flow MFP M575

HP PCL 6 discrete, HP UPD PCL 5, HP PD PCL 6, HP UPD PS, and Mac drivers

- Windows® XP SP 2 or greater (32-bit and 64-bit)
- Windows® Server 2003 SP 1 or greater (32 bit and 64 bit)
- Windows® Server 2008 (32-bit and 64-bit)
- Windows® Server 2008 R2 (64-bit)
- Windows Vista® (32-bit and 64-bit)
- Windows® 7 (32-bit and 64-bit)
- Mac OS X 10.6, OS X 10.7, OS X 10.8

Operating systems supported for the installer CD

The HP PCL 6 discrete driver and .NET 3.5 is installed for Windows® operating systems. The Mac driver is installed for Mac operating systems. The following operating systems are supported for the installer CD:

- Windows® XP SP 2 or greater (32-bit)
- Windows® Server 2003 SP 1 or greater (32 bit only)

NOTE: When installing with the Windows® Add Printer Wizard for XP or Server 2003, select the following files from the root directory of the installer CD:

For HP LaserJet Enterprise 500 color MFP M575, use hpcm575c.inf for a 32- bit installation and hpcm575u.inf for a 64-bit installation.

For HP LaserJet Enterprise color flow MFP M575, use hpcm57Xc.inf for a 32- bit installation and hpcm57Xu.inf for a 64-bit installation.

Do not copy the driver files to a separate directory before installing. There may be hidden files that are not correctly copied which may result in driver installation errors.

- 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)
- HP LaserJet Enterprise 500 color MFP M575: Mac OS X 10.5, OS X 10.6, OS X 10.7
- HP LaserJet Enterprise color flow MFP M575: Mac OS X 10.6, OS X 10.7, OS X 10.8

In Windows® operating systems, both the HP LaserJet Enterprise 500 color MFP M575 and HP LaserJet Enterprise color flow MFP M575 print drivers support preconfiguration, automatic configuration, and driver updates after installation.

NOTE: For additional information about installing the printing-system software, see the *HP LaserJet Enterprise 500 color MFP M575 or HP LaserJet Enterprise color flow MFP M575 Install Notes* on the printing-system software CD.

All of the drivers provide access to the paper-handling and print quality configuration settings supported by this printer.

HP PCL 6 Discrete Print Driver, PCL 6 Universal Print Driver, PCL 5 Universal Print Driver, and PS Universal Print Driver

Most of the Windows® drivers are supported by Microsoft 32-bit and 64-bit operating systems. See the list of supported operating systems for this product for a complete list. The HP PCL 6 discrete driver is included on both the HP LaserJet Enterprise 500 color MFP M575 and HP LaserJet Enterprise color flow MFP M575 printing-system software CDs. The PCL 6 and PCL 5 Universal Print Drivers and the PS Universal Print Driver are available for download at the following Web site:

www.hp.com/go/upd

NOTE: The HP PCL 6 discrete print driver is installed by default.

Use the HP ePrint Software

The HP ePrint Software makes it easy to print from a desktop or laptop computer to any HP ePrint-capable product. After installing the driver, open the **Print** option from within your application, and then select **HP ePrint Software** from the installed printers list. This single driver makes it easy to find HP ePrint-enabled products that are registered to your ePrintCenter account. The target HP product can be at your desk or in a remote location, such as a branch office or across the globe—you can do remote printing by using the Internet. The target product can be anywhere in the world; if it is Web-connected and registered in ePrintCenter, you can send a print job to the product.

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

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

Supported operating systems

- Windows® XP (32-bit, SP 2 or greater)

NOTE: Microsoft retired mainstream support for Windows® XP in April 2009. HP will continue to provide best-effort support for the discontinued XP operating system.

- Windows Vista® (32-bit and 64-bit)
- Windows® 7 (32-bit and 64-bit)
- Mac OS X version 10.6, 10.7, and 10.8

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

Print driver version numbers for Windows® operating systems

Access to print driver version numbers varies, depending on the operating system in which the product is installed.

NOTE: For a list of HP LaserJet Enterprise 500 color MFP M575 and HP LaserJet Enterprise color flow MFP M575 print drivers, updated HP printing-system software, and product-support information:

For HP LaserJet Enterprise 500 color MFP M575: www.hp.com/go/lj500colorMFPM575_software

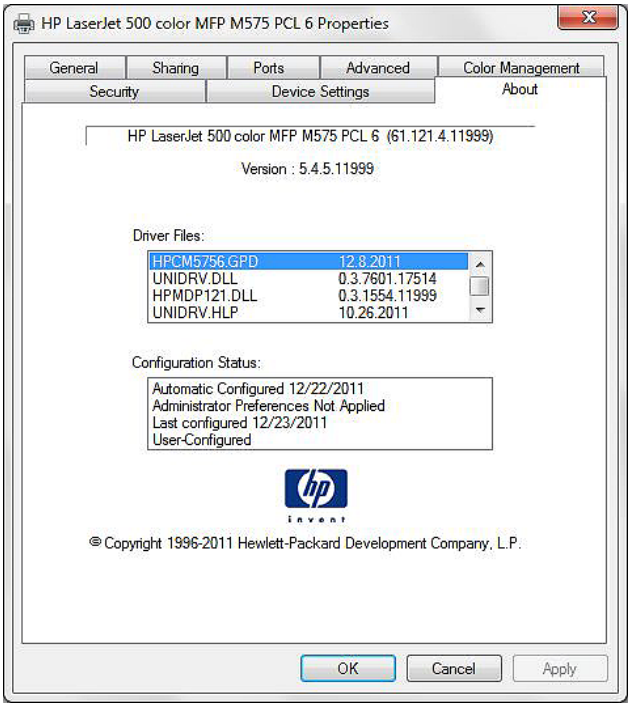
For HP LaserJet Enterprise color flow MFP M575: www.hp.com/go/ljcolorflowMFPM575_software

If you are using an HP print driver in a Windows® environment, follow these steps to find driver-version information:

1. Depending on your operating system, click the **Start** button and then do one of the following to find the list of installed printers:
   - Click **Devices and Printers** or **Printers and Faxes**
   - Click **Control Panel** and then click **Printers**, or first click **Hardware and Sound**, and then click **Printers**
   - Click **Settings**, and then click **Printers** or **Printers and Faxes**
2. Right-click the product icon.
3. Depending on your operating system, click **Properties** or **Printer Properties**.
4. Click the **About** tab.

NOTE: The product name, either HP LaserJet Enterprise 500 color MFP M575 or HP LaserJet Enterprise color flow MFP M575, will show in the title bar on all windows. The name may differ slightly from the name shown in the graphics.

Figure 1-1 About tab



NOTE: The HP PCL 6 discrete print driver is installed by default when using the installer CD. It can also be downloaded from www.hp.com with an installer or just the driver.

You can also find information about driver versions by clicking the **About** button that appears on most driver tabs.

Available software solutions/components/utilities

Table 1-5 Software components for Windows®

Component	Description
HP installer	Installs the printing-system software based on the hardware it detects from the host computer.
Uninstaller	Removes files and folders that were installed when the printing-system software was originally installed on the computer.
File-to-email utility	Collects crash logs and attaches the data files to an email to assist troubleshooting an installation or operation failure.
Scrubber utility	A standalone utility used remove all the installation files and folders that were installed with the printing system software was originally installed in the computer.
LogAnalyzer utility	A utility that lists and describes the files that were downloaded with the printer software.
Driver software	Use the driver software to print with the computer and the product. This software includes the following drivers: • The HP PCL 6 discrete print driver. The HP PCL 6 discrete print driver is installed by default. • The HP PCL 5 Universal print driver (UPD). This print driver is *not* installed by default. To install the HP PCL 5 UPD, download it from www.hp.com/go/upd, and then use the Microsoft Add Printer Wizard. • The HP PCL 6 Universal print driver (UPD). This print driver is *not* installed by default. To install the HP PCL 6 UPD, download it from www.hp.com/go/upd, and then use the Microsoft Add Printer Wizard. **NOTE:** The HP UPD is a single driver designed to work with a variety of HP products. The HP PCL 6 discrete drivers are designed to work with specific products. • The HP PS Universal Print Driver (UPD). This print driver is *not* installed by default. To install the HP PS UPD, download it from www.hp.com/go/upd, and then use the Microsoft Add Printer Wizard.
HP Help & Learn Center	This program provides help for using the product, as well as links to Web sites for product support and supplies ordering. The HP Help and Learn Center also provides links to the user guide on the CD and at www.hp.com.

Driver configuration for Windows®

The HP print drivers feature bidirectional communication technology which, in supported environments, provide automatic discovery and driver configuration for product accessories at the time of installation.

Some accessories that are automatically discovered and configured include the duplexing unit, optional paper trays, printer hard disk, and dual inline memory modules (DIMMs).

Driver autoconfiguration

Automatic discovery and driver configuration through bidirectional communication occurs in the following circumstances:

- When a print driver is installed by using the installer
- When using the Update Now feature for a driver that is already installed

However, as shown in the following table, driver autoconfiguration and Update Now are *not* available in Windows® XP, Windows® Server 2003, Windows® Server 2008, Windows® Vista, or Windows® 7 operating systems over a direct connection (USB) when the product is installed by using the Add Printer Wizard.

Table 1-6 Automatic discovery and driver configuration through bidirectional communication[1]

Connection type	Add Printer Wizard install	Common installer
Network	Yes	Yes
Direct connection	No	Yes

[1] The table applies to Windows® XP, Windows® Server 2003, Windows® Server 2008, Windows Vista®, and Windows® 7.

Bidirectional communication

In environments that support bidirectional communication, the computer communicates with the product during installation, determines the physical configuration, and then configures the driver accordingly.

Bidirectional communication is the capability of the product to respond to data inquiries from the computer and report information back, such as what type of print paper is available or what accessories are connected to the product. Bidirectional communication depends on the network operating system and on the type of connection that exists between the computer and the product. If the connection does not have this capability (that is, if it has no bidirectional mode), it can only accept commands from the host and cannot report information back to the host computer.

Enterprise AutoConfiguration

Enterprise AutoConfiguration (EAC) uses bidirectional communication to provide autoconfiguration functionality for installation of the print driver over a network, whether you use the installer on the printing-system software CD or the Add Printer Wizard to install the driver. Driver installation that includes EAC is configured with the same settings as the physical configuration of the product. Configuration occurs without user interaction.

If bidirectional-communication software has been installed previously, EAC is not activated, and the pre-existing bidirectional-communication software is used to configure the print driver.

If bidirectional communication software has not been installed, EAC installs bidirectional-communication software that allows it to communicate with the product and automatically match the print driver with the actual product configuration. EAC is activated during installation of the driver or whenever the Update Now feature is used.

If the product configuration changes after installation, the driver can be automatically updated with the new configuration in environments that support bidirectional communication by using the Update Now feature. For more information, see Update Now on page 16.

Update Now

If you have modified the configuration of the HP LaserJet Enterprise 500 color MFP M575 or HP LaserJet Enterprise color flow MFP M575 product since installation, the driver can be automatically updated with the new configuration in environments that support bidirectional communication. Use the Update Now feature to automatically reflect the new configuration in the driver.

For example, if the product is installed and an optional paper-handling accessory is added later, use the Update Now feature to query the product and update the settings to match the new product configuration.

The feature automatically updates the registry and changes the configuration information that appears on the **Device Settings** tab.

NOTE: Depending on which settings were updated, the Update Now feature might change the configuration information that displays on the print-driver tabs, instead of (or in addition to) changing the information on the **Device Settings** tab.

To activate the Update Now feature, follow these steps:

1. Depending on your operating system, click the **Start** button and then do one of the following to find the list of installed printers:
   - Click **Devices and Printers** or **Printers and Faxes**
   - Click **Control Panel** and then click **Printers**, or first click **Hardware and Sound**, and then click **Printers**
   - Click **Settings**, and then click **Printers** or **Printers and Faxes**
2. Right-click the product name.
3. Depending on your operating system, click **Properties** or **Printer Properties**.
4. Click the **Device Settings** tab.
5. If necessary, click the **Installable Options** list to expand it and show the options.
6. In the **Automatic Configuration** drop-down menu, select the **Update Now** item.
7. Click the **OK** button to save the setting.

HP Embedded Web Server

Use the HP Embedded Web Server to view product status, configure product network settings, and to 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, your browser must meet the following requirements:

- Windows®: Microsoft Internet Explorer 5.01 or later or Netscape 6.2 or later
- Mac OS X: Safari or Firefox using Bonjour or an IP address
- Linux: Netscape Navigator only
- HP-UX 10 and HP-UX 11: Netscape Navigator 4.7

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.

   From the Home screen on the product control panel, touch the Network button to identify the product IP address or host name.

If the Network button is not visible, you can find the IP address or host name by printing a configuration page.

a. From the Home screen on the product control panel, scroll to and touch the Administration button.

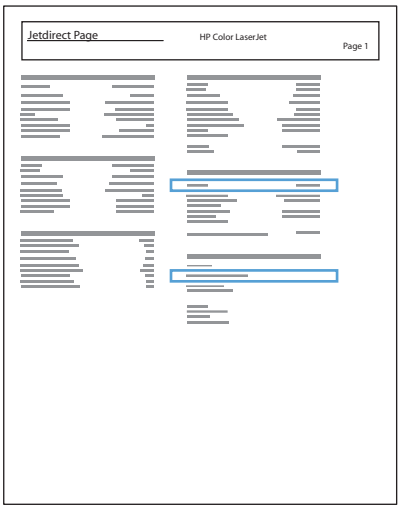
b. Open the following menus:

- Reports
- Configuration/Status Pages

c. Touch Configuration Page

d. Touch the View button to view the information on the control panel, or touch the Print button to print the pages.

e. Find the IP address on the Jetdirect page.



2. **IPv4**: If the IP address is 0.0.0.0, or 192.0.0.192, or 169.254.x.x, verify the product is connected to a network. If the product is connected to a network and displaying the previously listed IP addresses, you may have to manually configure the IP address. Otherwise, the network configuration was successful.

   IPv6: If the IP address begins with "fe80:", verify the product is connected to a network. If the product is connected to a network and displaying the previously listed IP addresses, the product should be able to print. If not, you may have to manually configure the IP address.

3. In a supported Web browser on a network-connected computer, type the product IP address or host name in the address/URL field.

NOTE: On Windows® 7 with IE8, you may get an error "There is a problem with this website's security certificate". To continue installation, click the **Continue to this website** button.

Features

Information tab

Table 1-7 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 the print jobs printed on the product and provides the capability to view and export the details for the print jobs.
Configuration Page	Shows the information found on the configuration page.
Supplies Status Page	Shows a detailed status of the installed HP supplies.
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.
Control Panel Snapshot	Provides an inactive view of the control panel of the product.
Print	Allows uploading a file from your hard disk or network file server to be printed. The following file types are supported: • .txt • .ps • .pdf • .pcl • .cht • .prn
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 1-8 HP Embedded Web Server General tab

Menu	Description
Control Panel Customization	Reorder and show or hide applications on the product control panel.
Quick Sets Setup	Manage Quick Sets displayed on the product control panel.

Table 1-8 HP Embedded Web Server General tab (continued)

Menu	Description
Alerts	Set up email alerts for various product and supplies events.
Control Panel Administration Menu	Provides a remote view of the **Administration** menu available at the control panel of the product.
AutoSend	Configure the product to send automated emails regarding product configuration and supplies to specific email addresses.
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	Add additional information to be used when ordering supplies. This information is displayed 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.
Date and Time	Set the date and time or synchronize with a network time server.
Energy Settings	Set the sleep schedule and sleep timer settings for the product.
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 the product settings to the factory default settings.
Solution Installer	Install third-party software programs that can enhance the product functionality.
Firmware upgrade	Download and install product firmware upgrade files.
Quota and Statistics Services	Displays the name of, or add/remove the connection to, a job statistics and quota service used by the product.

Copy/Print tab

Use the **Copy/Print** tab to enable or disable walk-up USB printing, manage stored jobs, and configure copy and print settings.

Table 1-9 HP Embedded Web Server Copy/Print tab

Menu	Description
Retrieve from USB Setup	Use this item to enable or disable walk-up USB printing. Jobs printed from USB will use the default print settings. the following file types are supported for easy access USB printing: • .pdf • .prn • .pcl • .ps • .cht

Table 1-9 HP Embedded Web Server Copy/Print tab (continued)

Menu	Description
Manage Stored Jobs	Use this feature to manage jobs stored on the product memory.
Adjust Paper Types	Adjust the factory default setting for select paper types.
Restrict Color	Use this item to restrict the number of color pages that can be printed from this product.
General Print Settings	Use this item to manage the print settings for this product.
Copy Settings	Use this item to manage Quick Sets and configure default copy settings.
Manage Trays	Use this item to manage the tray settings for this product.

Scan/Digital Send tab

Table 1-10 HP Embedded Web Server Scan/Digital Send tab

Menu	Description
Address Book	Use this item to configure the product's address book contacts and settings.
E-mail and Save to Network Folder Quick Setup Wizards	Use this item to access wizards for setting up the product's save to email and save to network folder features.
E-mail Setup	Use this item to enable and setup the product's send to email feature.
Save to Network Folder Setup	Use this item to enable and setup the product's save to network folder feature.
Save to Sharepoint **NOTE:** Available on HP LaserJet Enterprise color flow MFP M575 only	Use this item to save scanned documents to a Microsoft SharePoint site.
Save to USB Setup	Use this item to enable and setup the product's save to USB feature.
OXPd: Workflow	Use third-party workflow tools.
Digital Sending Software Setup	Use this item to enable and setup the product's digital sending capabilities.

Fax tab

Table 1-11 HP Embedded Web Server Fax tab

Menu	Description
Fax Send Setup	Use this item to enable fax sending from the product and to configure common and specific job settings for the following fax send methods: • **Internal Modem** • **LAN Fax Setup** • **Internet Fax Setup**
Speed Dials	Us this item to manage speed dials stored on the product.
Fax Receive Setup	Use this item to configure the product's fax receive settings.
Fax Archive and Forwarding	Use this item to configure fax archival to email and fax forwarding.
Fax Activity Log	Use this item view the fax activity log.

Troubleshooting tab

Table 1-12 HP Embedded Web Server Troubleshooting tab

Menu	Description
General Troubleshooting	Print or view product settings, information pages, and diagnostic test pages.
Calibration/Cleaning	Provides remote control of the cleaning and calibration operations of the product.
Firmware upgrade	Download and install product firmware upgrade files.
Restore Factory Settings	Restore the product settings to the factory default settings.

Security tab

Table 1-13 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 Host USB 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.

Table 1-13 HP Embedded Web Server Security tab (continued)

Menu	Description
Certificate Management	Install and manage security certificates for access to the product and the network.
Self Test	Print a self test diagnostic page.

HP Web Services

Use the HP Web Services tab to enable or disable the HP Web Services 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.

Menu	Description
Configuration	
TCP/IP Settings	The **TCP/IP Settings** item contains the following tabs: • **Summary** • **Network Identification**: • **TCP/IP(v4)** • **TCP/IP(v6)** • **Config Precedence** • **Advanced**
Network Settings	Use the **Network Settings** item to configure the product's SNMP settings.
Other Settings	The **Other Settings** item contains the following tabs: • **Misc. Settings** • **LPD Queues** • **Support Info** • **Refresh Rate**
Select Language	Use the **Select Language** item to set the language used on the product.
Security	
Settings	The **Settings** item contains the following tabs: • **Status** • **Wizard** (HP Jetdirect Security Configuration Wizard) • **Restore Defaults**

Menu	Description
Authorization	The **Authorization** item contains the following tabs: • **Admin. Account** • **Certificates** • **Access Control**
Mgmt. Protocols	The **Mgmt. Protocols** item contains the following tabs: • **Web Mgmt.** • **SNMP** • **Other**
802.1X Authentication	Use the **802.1X Authentication** item to configure the product's 802.1X Authentication settings.
IPsec/Firewall Policy	Use the **IPsec/Firewall Policy** item to configure the product's IPsec and firewall settings.
Announcement Agent	Use the **Announcement Agent** item to configure the Device Announcement Agent settings on the product.
Diagnostics	
Network Statistics	Use the **Network Statistics** item to view general and packet statistics for the product.
Protocol Info	The **Protocol Info** item contains the following tabs: • **TCP/IP** • **SNMP**
Configuration Page	Use the **Configuration Page** item to view the Jetdirect configuration page for the product.

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 1-14 HP Embedded Web Server Other Links list

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

HP Web Jetadmin

HP Web Jetadmin is a Web-based software solution for remotely installing, monitoring, and troubleshooting network-connected peripherals. Management is proactive, allowing network administrators the ability to resolve issues before users are affected. Download this free, enhanced-management software at www.hp.com/go/webjetadmin.

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

HP ePrint

HP ePrint is a service that allows you to print directly to certain HP products by sending an email to the product email address. HP ePrint lets you print from any smart phone or computer without installing any special drivers or software.

In order to use HP ePrint, the product Web Services feature must be enabled. Complete the following steps:

1. Print a configuration page and locate the IP address.
2. At the computer, open a Web browser, type the IP address in the address line, and then press the Enter key. The HP Embedded Web Server (EWS) opens.
3. Click the **HP Web Services** tab.
4. Click the **Enable HP Web Services** button.
5. When the HP Web Services feature is enabled, ePrint information appears in the HP EWS. An email address is automatically assigned to the product. The product also prints an HP Web Services page that contains this email address and instructions for using the service.

Configure HP ePrint

Web: For all supported HP products, 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** to enter your HP ePrintCenter credentials or to 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 email address that is before the @ symbol.

NOTE: This code is valid for only 24 hours. If you do not log into the ePrintCenter within 24 hours of enabling HP Web Services, the code expires. If the code expires, follow the instructions to enable HP Web Services again, and obtain a new code. Once you log into the ePrintCenter (www.hpeprintcenter.com) within 24 hours, the ePrint email address of the printer does not change.

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 email 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. The available settings are:

- Color options
- Paper size

HP Print View Software

Use HP Print View software to change various print settings and see immediately how those changes affect your document. When you are satisfied with the print settings, print the job directly from HP Print View to your supported printer.

Print View 2.0 supports both print and cost estimation.

Download HP Print View Software, and determine which products are supported, from the following location:

www.hp.com/go/ihm

HP MFP Send Fax Driver

Use the HP Send Fax Driver to send faxes from your computer via the product if the optional Analog Fax Accessory 500 is installed. After the HP Send Fax Driver is installed, access and use it in the same manner as a printer driver. The HP Send Fax Driver can only be used with network connected printers.

Download the HP MFP Send Fax Driver from the following location:

www.hp.com/go/pcsendfax

NOTE: For complete information about using the HP Send Fax Driver, see the *HP LaserJet MFP Analog Fax Accessory 500 Send Fax Driver Guide*, which can be downloaded from www.hp.com/go/mfpfaxaccessory500.

Advanced color use

Restrict color printing

Both the HP LaserJet Enterprise 500 color MFP M575 and HP LaserJet Enterprise color flow MFP M575 products have the ability to monitor and control color print-job use. For more information about color access control, go to the following Web site and look under **Learn More**:

www.hp.com/go/cac

The following table shows various tools that can be used to control color-printing access.

Table 1-15 Color access control tools

Tool	Description
HP Embedded Web Server	The HP Embedded Web Server (HP EWS) is a Web-browser-based utility that provides an interface to the product that you can use to change product settings, including color access control settings. No special software needs to be installed or configured. It allows you to set color printing restrictions and view a log of color printing use. The HP EWS is designed for one-to-one product configuration monitoring and management.
HP Web Jetadmin	The HP Web Jetadmin provides an interface to the product through a Web browser on single network-administration servers. Use HP Web Jetadmin to manage HP Jetdirect-connected products within an intranet. For more information, see the following Web site: www.hp.com/go/webjetadmin
HP Managed Printing Administration (HP MPA)	HP MPA provides a means for controlling color printing through Managed Print Policies (MPPs) and Managed Printer Lists (MPLs). For more information, see the following Web site: www.hp.com/go/mpa
HP UPD Active Directory Group Policy	Color printing access can be controlled through Active Directory Group Policy and the HP UPD Active Directory Administrative template within your Active Directory infrastructure. For more information, see the HP Universal Print Driver System Administrator Guide
Color usage job log	The color usage job log shows color and monochrome print job statistics for a product.
Product control panel	Use the product control panel to restrict color use in network-connected products. For more information, see the following procedure.

To restrict color-printing access to a network-connected HP LaserJet Enterprise 500 color MFP M575 or HP LaserJet Enterprise color flow MFP M575, follow these steps:

1. Press the Home button to return to the main screen, if needed.
2. Scroll to and select Administration.

3. Scroll to and select Manage Supplies.
4. Scroll to and select Supply Settings.
5. Scroll to and select **Restrict Color**.
6. Scroll to and select one of the following options, and then press the desired option:
    - **Enable color**. This is the default setting. Use of color-printing features is unrestricted.
    - **Disable color**. This setting denies the use of color-printing features to all users.
    - **Color if allowed**. Network administrators can use this setting to allow color-printing to certain users and restrict it for other users. User privileges can be set using HP EWS. For more information, see the EWS online help.

ICC/CMS

HP provides cyan-magenta-yellow-black (CMYK) and standard red-green-blue (sRGB) International Color Consortium (ICC) profiles with the product. The CMYK profile can only be used with a postscript print driver; the sRGB profile can be used with any of the product print drivers. The profiles are available at the following HP Web site under software downloads:

- For HP LaserJet Enterprise 500 color MFP M575: www.hp.com/support/lj500colorMFPM575
- For HP LaserJet Enterprise color flow MFP M575: www.hp.com/support/ljcolorflowMFPM575

The ICC profiles describe the way that color will be interpreted in the default CMYK and RGB modes. These profiles can be used for color conversions in a color-managed workflow. The sRGB profile matches the default RGB mode (sRGB), which is enabled with the **Default (sRGB)** or **Color** setting in either a PCL or postscript print driver. The product interprets CMYK data according to the Specifications for Web Offset Publications (SWOP) simulation when **Default CMYK+** is the selected **CMYK Color** setting in the postscript print driver, and a more accurate SWOP rendering can be produced by selecting the **SWOP** setting. This standard defines how a particular set of CMYK ink colors should behave. Emulation for Dainippon Press (DIC) and Euro-standard CMYK inks used in Asia and Europe are also available and can be selected from the print driver.

PANTONE color matching

PANTONE has multiple color matching systems. The PANTONE MATCHING SYSTEM® is very popular and uses solid inks to generate a wide range of color hues and tints. For details on how to use PANTONE Colors with this product, see:

- For HP LaserJet Enterprise 500 color MFP M575: www.hp.com/go/lj500colorMFPM575_software
- For HP LaserJet Enterprise color flow MFP M575: www.hp.com/go/ljcolorflowMFPM575_software

NOTE: PANTONE Colors generated might not match PANTONE-identified standards. Consult current PANTONE Publications for accurate color.

Printer Adminstrator Resource Kit (PARK)

The HP Printer Administrator Resource Kit (PARK) is a collection of tools, scripts and documentation to help print administrators install, deploy, configure and manage the HP Universal Print Driver.

The following PARK tools are described in this document:

- HP Driver Deployment Utility
- HP Driver Configuration Utility

For more information about the PARK, its components, and how to download, go to the following Web site and click the **Resource Kit** tab:

www.hp.com/go/upd

HP Driver Deployment Utility

The HP Driver Deployment Utility (HP DDU) was created to simplify the deployment of print drivers onto a client computer.

It is a simple utility that packages the printer-driver files, and the code needed to deploy them, into 2 files: an .EXE file and a .CAB file. These files are run on the client computer to copy the printer-driver files to the Windows® driver store, and for network packages, to install the product.

HP Driver Configuration Utility

The HP Driver Configuration Utility (DCU) is a small Windows® application used to edit the configuration file associated with a particular driver. The configuration file controls the print driver settings and takes effect when the driver is installed.

The HP Driver Configuration Utility does not handle any part of the deployment or installation of the driver. Instead, the default driver configuration file is modified and saved back to the same driver directory in which it was opened (hpcpu*.cfm) or saved to the local host's directory [filename].cfm. After modification of custom settings, the settings become the defaults used during driver installation.

Please reference the HP Universal Print Driver System Administrator's Guide and the HP Driver Configuration Utility documentation for full details on installing and using the utility. These documents are available at www.hp.com/go/upd.

Help & Learn Center

Click the **Help and Learn Center** button on the **Documentation** screen of the installer to open an HTML help system that provides step-by-step instructions for performing specific tasks, including clearing jams and loading trays.

NOTE: The figures are the same for both HP LaserJet Enterprise 500 color MFP M575 and HP LaserJet Enterprise color flow MFP M575 products.

Figure 1-2 Installer CD documentation screen

Figure 1-3 HP Help & Learn Center

The Help & Learn Center can also be opened from the Windows® **Start** menu.

1. Click the **Start** button, select the **Programs** or **All Programs** item, and then click the **HP** item.
2. Click the product name item, and then click the **Help & Learn Center** item.

2 Install Windows® software and utilities

Introduction

The HP LaserJet Enterprise 500 color MFP M575 and HP LaserJet Enterprise 500 color MFP M575 products both come with software and installers for Microsoft Windows® and Apple, Inc., Mac systems. For information on support for Linux and UNIX, see www.hp.com.

This chapter provides procedures for installing and removing the HP LaserJet Enterprise 500 color MFP M575 and HP LaserJet Enterprise 500 color MFP M575 printing-system software for Windows® operating systems. The chapter provides information about these topics:

- Supported operating systems for Windows®
- Install overview
- Detailed Microsoft Windows® installation instructions
- HP Send Fax driver
- Print driver only installation instructions (Microsoft® Add Printer Wizard)
- Install optional software
- Uninstall software

NOTE: If the computer is running a 64-bit Windows® operating system, you must install the corresponding 64-bit print driver.

If you are installing through the Add Printer Wizard, the files are as follows:

HP LaserJet Enterprise 500 color MFP M575: hpcm575c.inf for 32 bit and hpcm575u.inf for 64 bit

HP LaserJet Enterprise color flow MFP M575: hpcm57Xc.inf for 32 bit and hpcm57Xu.inf for 64 bit

Supported operating systems for Windows®

Windows® operating systems provide full-featured support for both the HP LaserJet Enterprise 500 color MFP M575 and theHP LaserJet Enterprise color flow MFP M575 products. Operating systems that are not described here provide varying levels of functionality.

Windows® XP is used to denote Windows® XP Home Edition, Windows® XP Professional, and Windows® XP Media Edition unless noted otherwise. Windows Vista® is used to denote Windows Vista® Home Basic, Windows Vista® Home Premium, Windows Vista® Business, Windows Vista®, and Windows Vista® Ultimate unless noted otherwise. Windows® 7 is used to denote Windows® 7 Basic, Windows® 7 Home Premium, Windows® 7 Professional, Windows® 7 Enterprise, and Windows® 7 Ultimate.

Table 2-1 Windows® software component support

	Windows XP, SP 2 and greater (32-bit and 64-bit)	Windows Server 2003 (32-bit and 64-bit)	Windows Server 2008 (32-bit, 64-bit, and R2 edition)	Windows Vista (32-bit and 64-bit)	Windows 7 (32-bit and 64-bit)
HP UPD PCL5 driver	x	x	x	x	x
HP UPD PCL6 driver	x	x	x	x	x
HP UPD PS driver	x	x	x	x	x
Discrete PCL6 driver	x	x	x	x	x
Installer CD (Windows/Mac)	x (32–bit only)	x (32–bit only)	x	x	x
HP MPA	x (32–bit only)	x (32–bit only)	x (32–bit only)	x (32–bit only)	x (32–bit only)
HP DDU	x	x	x	x	x
HP DCU	x	x	x	x	x

In any of the supported operating systems, you must have administrator privileges to install the product printing-system software.

For more information about the HP LaserJet Enterprise 500 color MFP M575 or HP LaserJet Enterprise color flow MFP M575 product:

- HP LaserJet Enterprise 500 color MFP M575: www.hp.com/support/lj500colorMFPM575
- HP LaserJet Enterprise color flow MFP M575: www.hp.com/support/ljcolorflowMFPM575

System requirements

The system requirements for installing and using the HP LaserJet Enterprise 500 color MFP M575 or HP LaserJet Enterprise color flow MFP M575 printing-system software for Windows® are as follows:

NOTE: The installer CD will run on both operating systems.

- Same system requirements for running the supported Windows® operating system (OS)
- Latest operating system updates installed through Windows® Update
- 220 MB of available hard-disk space
- CD drive, DVD drive, or Internet connection
- Dedicated universal serial bus (Hi-Speed USB) connectivity port or network connection

Install overview

The software for the product comes on a single CD. The software installer first checks the versions of Windows® Installer and Microsoft® .NET installed on the system, and then installs the printing-system software from the CD onto the hard disk and updates Windows® files.

NOTE: The full software install requires the Microsoft .NET Framework 3.51 to be installed on the computer. If the correct .NET framework is not installed, the installer will provide an option to install the required version.

Depending on the configuration of your computer as well as the installation method selected, the following components might be installed during the printing-system software installation:

- HP LaserJet Enterprise 500 color MFP M575 or HP LaserJet Enterprise color flow MFP M575 PCL 6 print driver
- *HP LaserJet Enterprise 500 color MFP M575 or HP LaserJet Enterprise color flow MFP M575 User Guide*
- Uninstall utility

For all of the supported platforms, each install option presents a series of query dialog boxes that guide you through the installation process.

Software Installer system check

The software installer checks the computer system to ensure that the following Windows® features are the correct version to support the printing-system components.

Microsoft Windows® Installer 3.1

When the user starts the installation process, the product software installer checks the computer system to determine the version number of the Windows® Installer currently on the system. If the product software installer detects that the Windows® Installer version is prior to version 3.1, a dialog box appears alerting the user that the Windows® Installer must be updated. The user must click the **OK** button to continue. The product software installer then updates the Windows® Installer and continues the HP LaserJet Enterprise 500 color MFP M575 or HP LaserJet Enterprise color flow MFP M575 printing-system installation process.

To determine which version of Windows® Installer is currently running on the computer, follow these instructions.

1. For Windows® 7 and Windows Vista®, click the **Start** button, click the **Control Panel** option, and then click the **Programs** option.

   For Windows® XP and Windows® Server 2003, click the **Start** button, click the **Control Panel** option, and then double-click the **Add/Remove programs** option.

2. Scroll down until you find the entry for the **Windows® Installer**.

Software installation types for Windows®

The product printing-system software can be installed in the following ways:

- HP LaserJet Enterprise 500 color MFP M575 or HP LaserJet Enterprise color flow MFP M575 printing-system installer (Recommended)
- Microsoft Found New Hardware Wizard (Plug and Play installation)

Installation options

The printing-system software can be used with the product in the following configurations:

- Install the printing-system software on a computer that is directly connected to the product through a USB port.
- Install the printing-system software on a computer that has access to a network, either wired or wireless, to which the product is connected.

NOTE: A wireless option can be purchased separately.

Detailed Microsoft Windows® installation instructions

Perform the recommended print driver installation using the Installation CD

The recommended CD installation installs the PCL 6 discrete print driver.

- For a USB installation, *do not* connect the USB cable between the product and the computer yet. You will be instructed to connect the USB cable during the installation process.
- For a wired network installation, connect the product to the network before starting the installation process. The product will need a few minutes to receive a network address.

A series of dialog boxes appears during installation of the product printing-system software in Windows® environments.

NOTE: You can return to the previous dialog box by clicking the **Back** button, or exit the printing-system software installation by clicking the **Cancel** button.

1. Close all programs.
2. Insert the printing system software CD into the CD-ROM drive. The software installer detects the language of the operating system, and then displays the main menu of the installation program in the same language.

   If the installer program has not started after 30 seconds, complete these steps:

   a. On the **Start** menu, click the **Run** option.

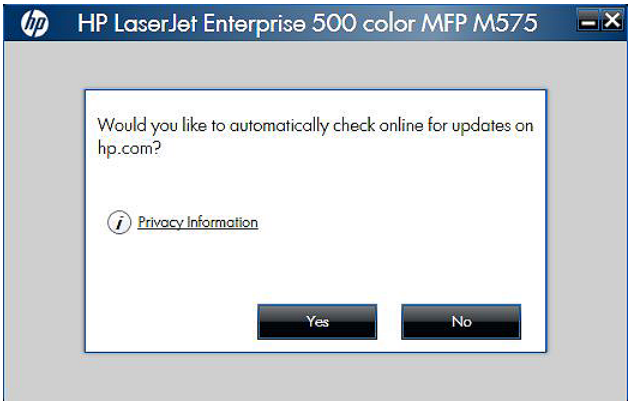
   b. Type the following: `X:\SETUP.EXE` (where X is the letter of the CD-ROM drive).

   c. Click the **OK** button. The installer program starts.

NOTE: The product name, either HP LaserJet Enterprise 500 color MFP M575 or HP LaserJet Enterprise color flow MFP M575, will show in the title bar on all installer windows. The name may differ slightly from the name shown in the graphics.

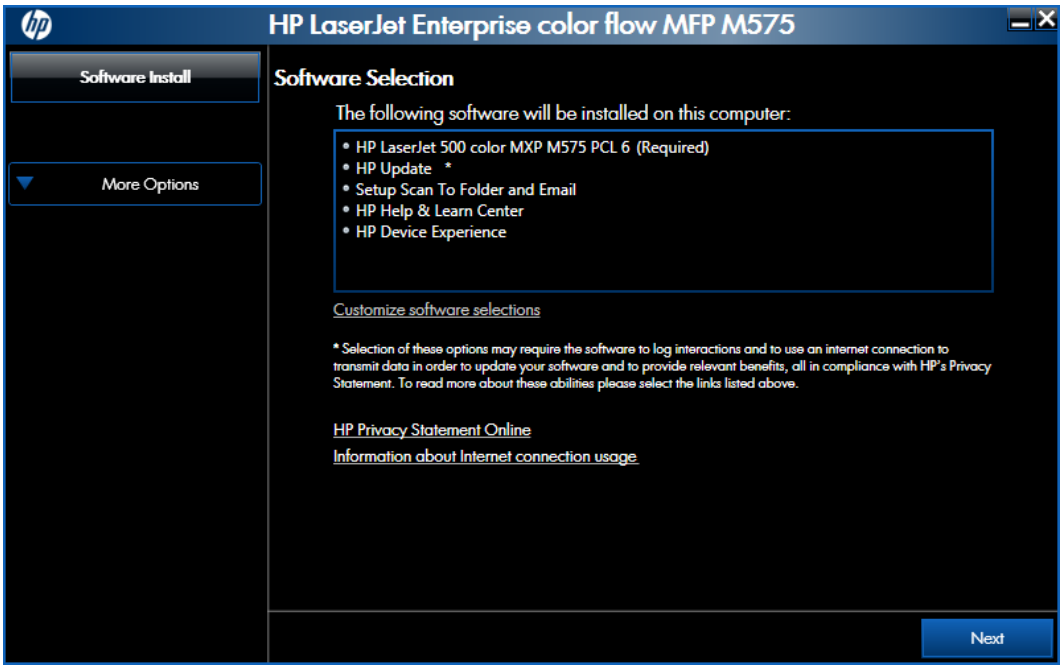
3. A screen appears that allows you to specify whether the product software automatically checks for updates from the HP Web site. Click either the **Yes** button to check for updates or the **No** button to continue without checking for updates.

Figure 2-1 Software installation — automatically check for updates



4. The Software Selection screen details the software to be installed. To customize the software installed, click the **Customize software selections** link. When finished, click the **Next** button.

Figure 2-2 Software installation — Software Selection screen



5. Read the license agreement, click the **I have reviewed and accept the installation agreements** check box, and then click the **Next** button to continue to the next screen.

Figure 2-3 Software installation — License agreement screen (1 of 2)

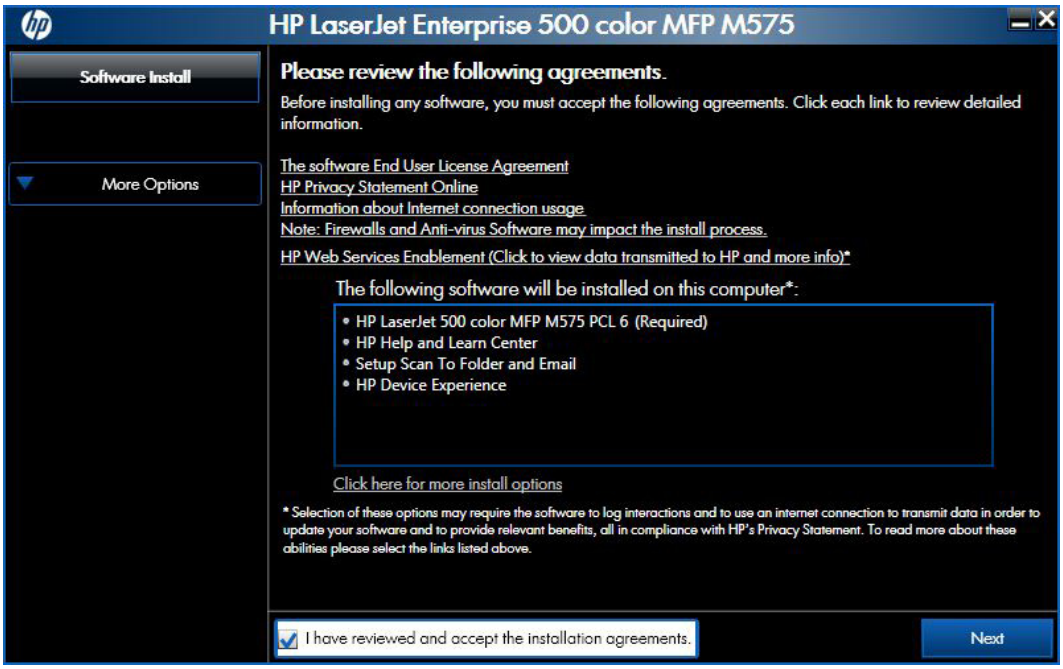
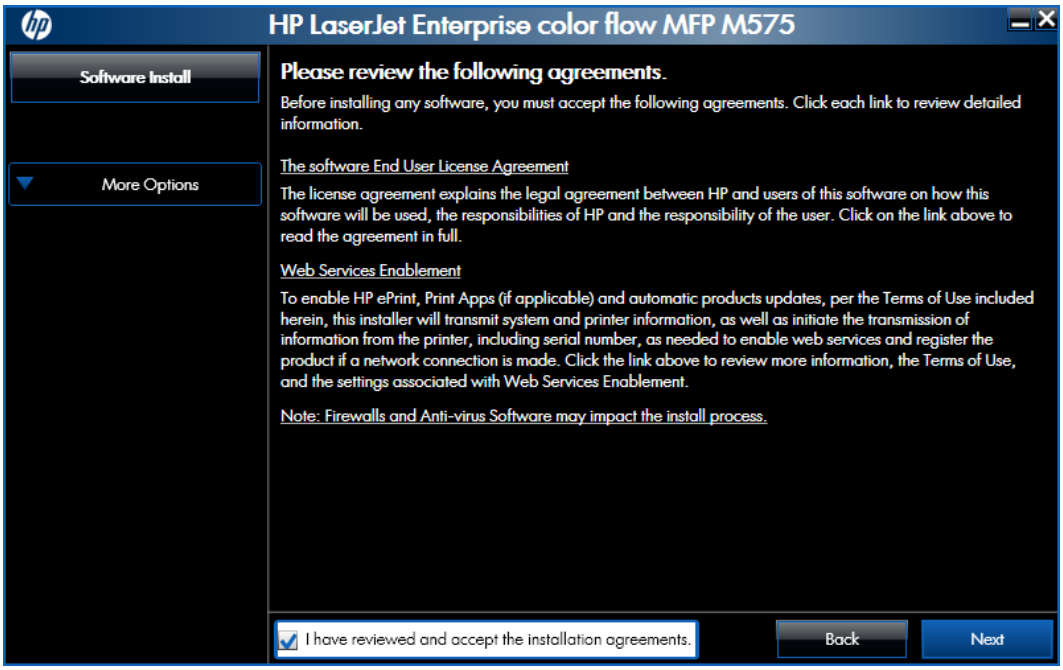
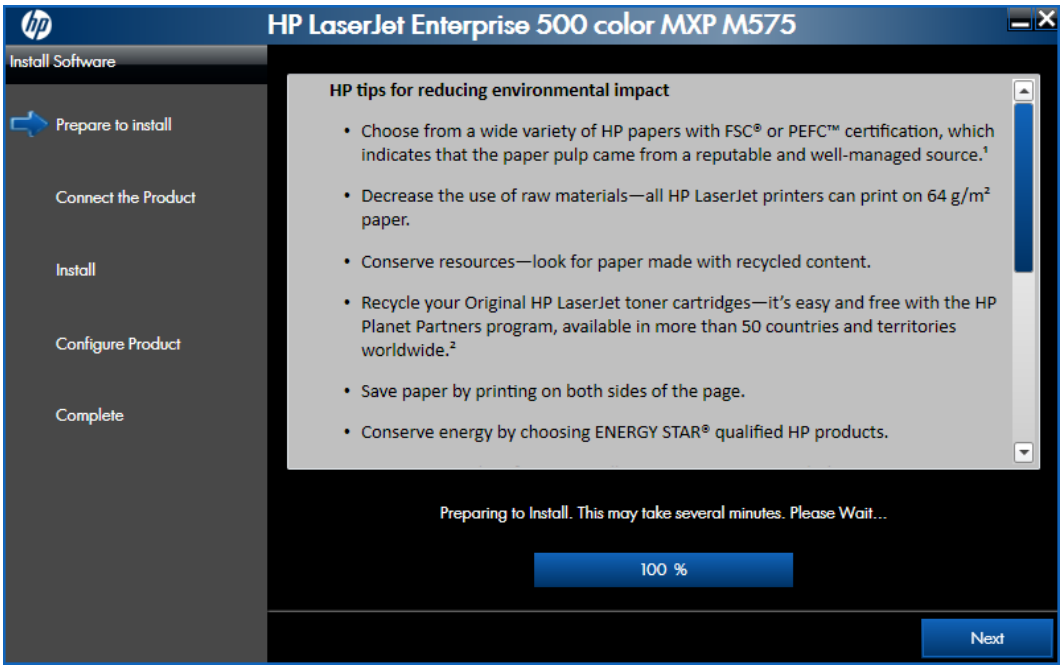


Figure 2-3 Software installation — License agreement screen (2 of 2)



6. The **Preparing to Install** screen appears. When the installer is finished, the **Next** button will display. Click the **Next** button to continue.

Figure 2-4 Software installation — Preparing to Install screen

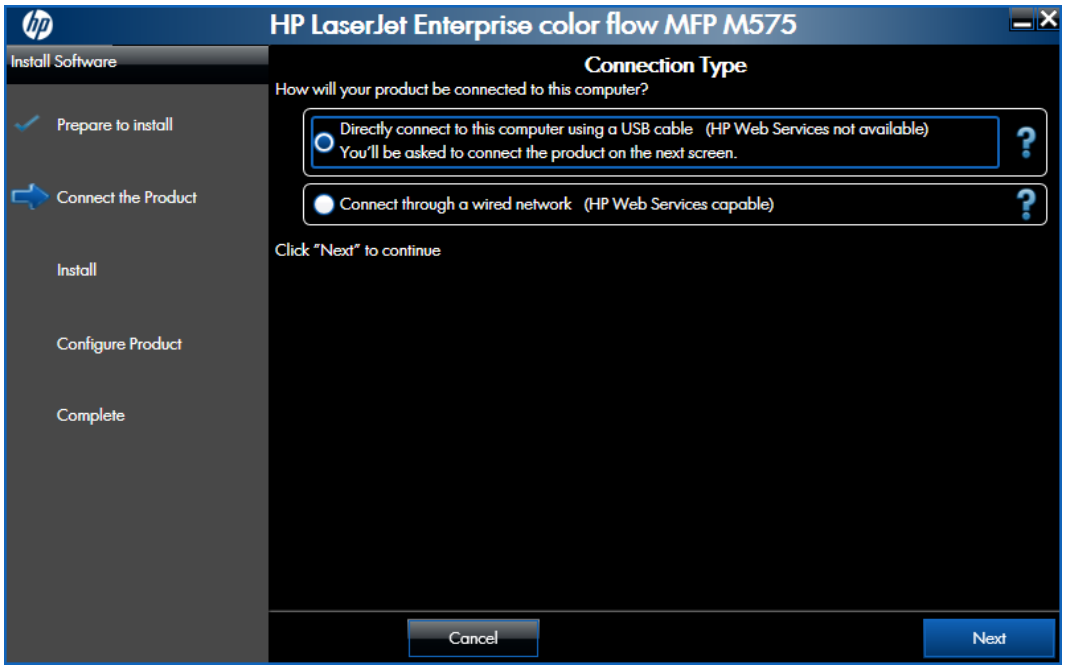


7. Select a connection type option on the **Connection Type** screen, based on how the product connects to the computer.

   - For USB-connected products, follow these steps:

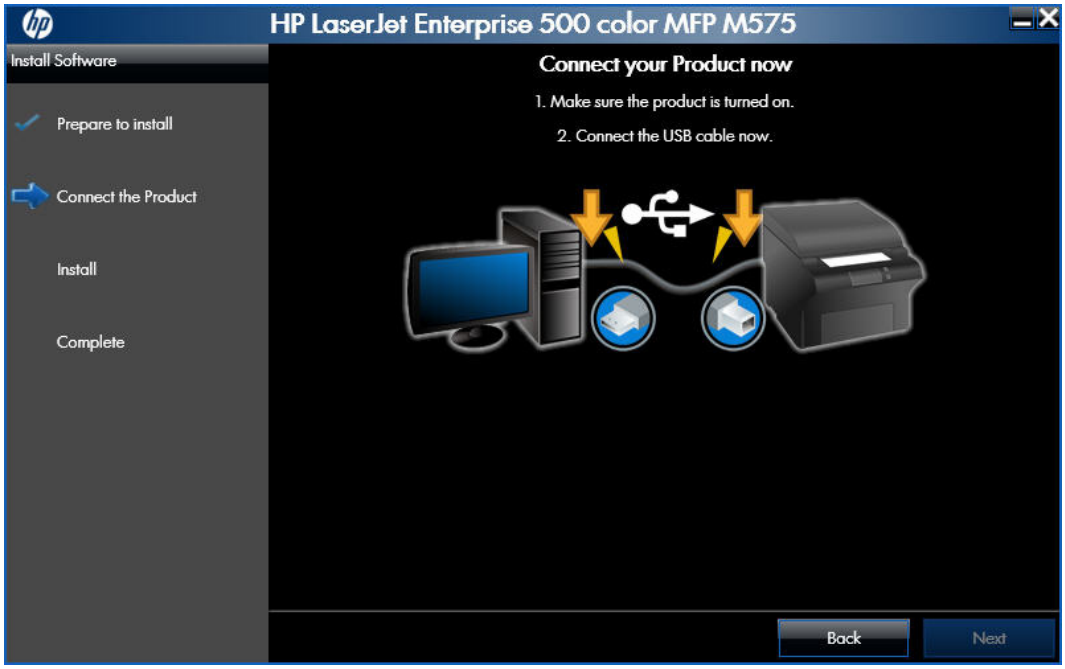
     a. Select **Directly connect to this computer using a USB cable.** and then click **Next**.

Figure 2-5 Software installation — **Connection Type** screen



b. Connect the product to the computer when prompted at the **Connect your Product now** screen. The installer program opens a progress bar as it automatically starts the software installation.

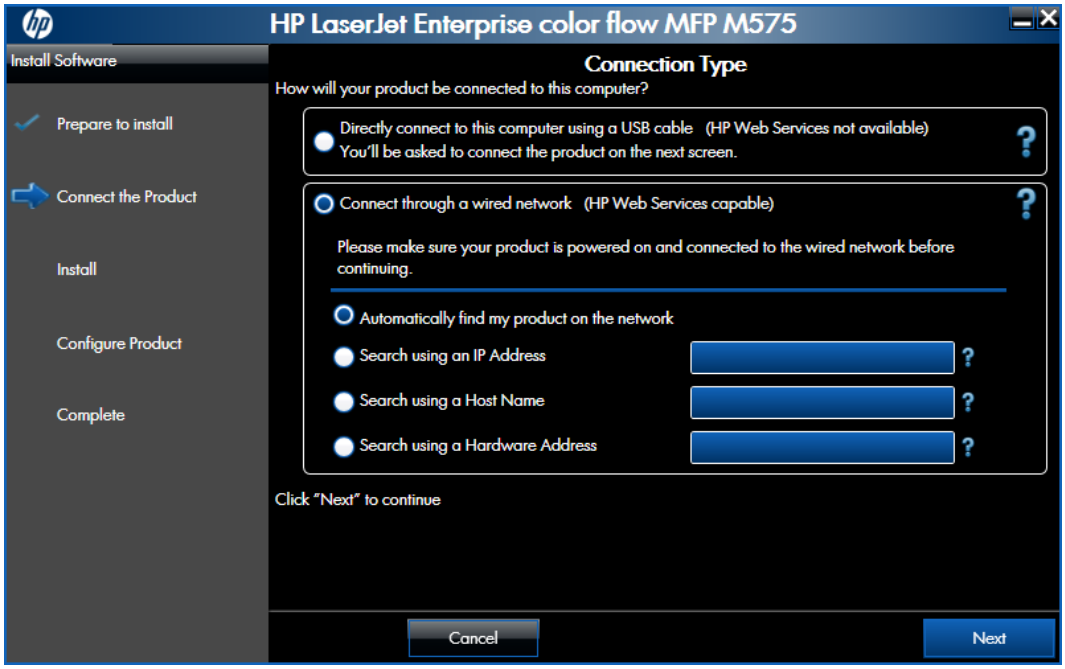
Figure 2-6 Software installation — **Connect your Product now** screen



- For wired network connected products, follow these steps:

  a. Select the **Connect through a wired network** option.

  Figure 2-7 Software installation — **Connection Type** screen for network connected installation



  b. If the product's network settings *are not* known, select the **Automatically find my product on the network** option.

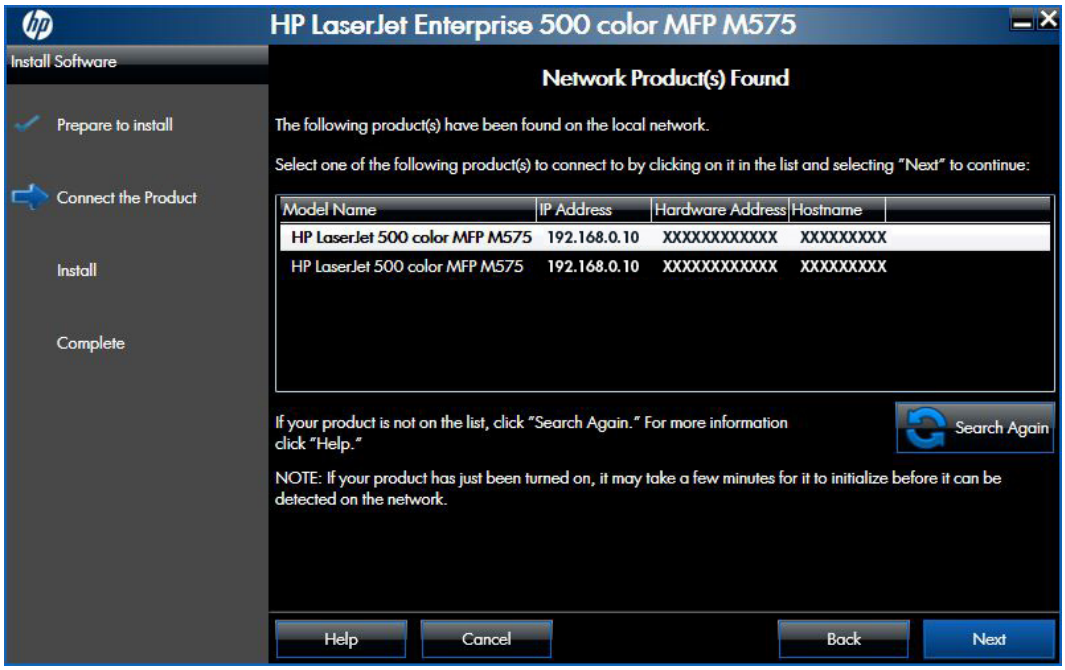
  c. If the product's networking settings *are* known, enter either the product's host name, IP address, or hardware address.

  NOTE: The product's network IP address can be obtained at the product control panel. From the product control panel's Main Menu, touch the Network button to open the How to Connect screen and display the IP address. Touch the Print button to print the IP address. Touch the OK button to return to the main menu.

  d. Click the **Next** button.

e. A list of products displays on the **Network Product(s) Found** screen. Select the product to install and then click the **Next** button. The **Installing Software** screen displays as the software is installing.

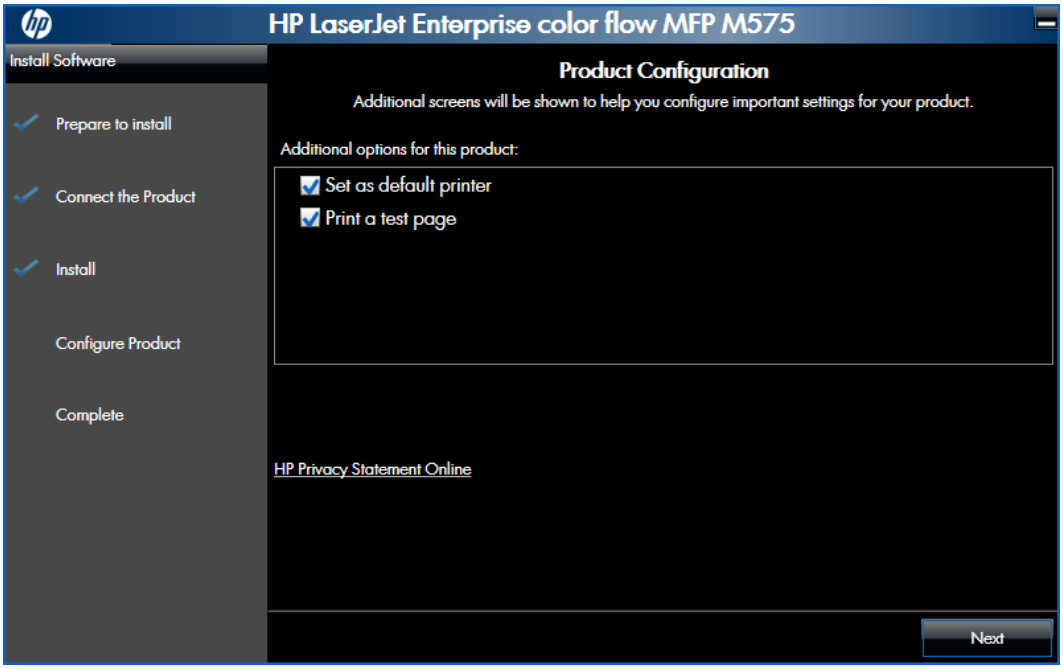
Figure 2-8 Software installation — **Network Product(s) Found** screen



NOTE: The product name, either HP LaserJet Enterprise 500 color MFP M575 or HP LaserJet Enterprise color flow MFP M575, will show in the Model Name. The name may differ slightly from the name shown in the graphics.

8. The **Product Configuration** screen appears.

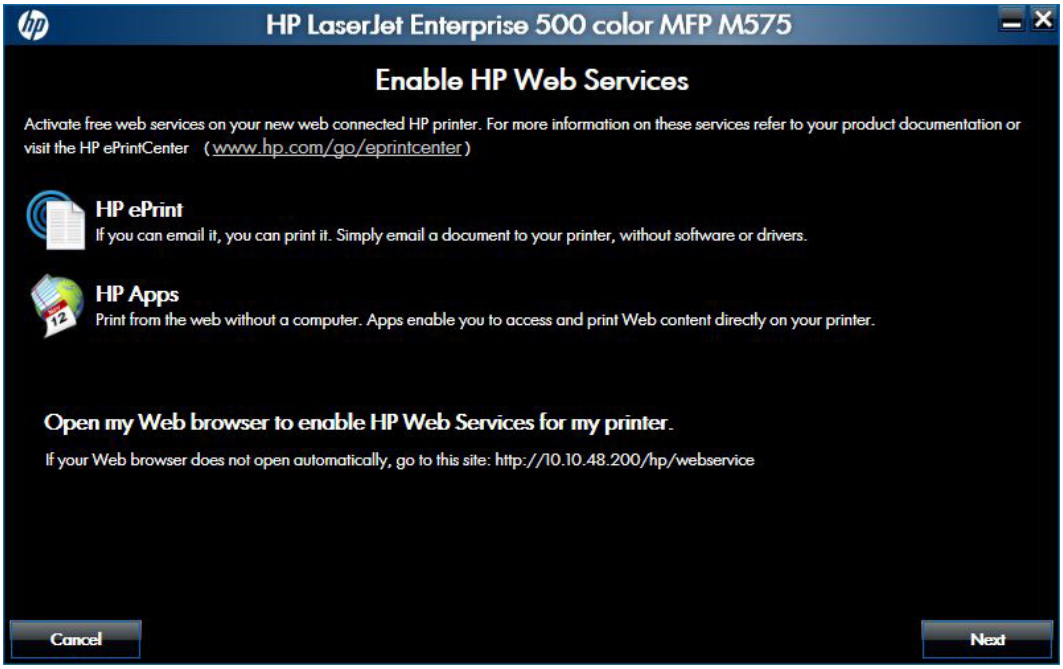
Figure 2-9 Software installation — **Product Configuration** screen



- Make this product the default printer by selecting the **Set as default printer** check box.
- Send a test page to the product by selecting the **Print a test page** check box.

9. Click the **Next** button to proceed to the **Enable HP Web Services** screen.

Figure 2-10 Software installation — **Enable HP Web Services** screen



▲ Click the **Next** button to open the product's Embedded Web server and set up the Web services for your product.

When Web Services are enabled, by selecting the **Enable HP Web Services** button, ePrint information appears in the HP Embedded Web Server. Look for the email address that is automatically assigned to the product. The product also prints an HP Web Services page that contains this email address and instructions for using the service.

-or-

Click the **Cancel** button if you do not want HP Web services enabled for your product.

NOTE: On Windows® 7 with IE8, you may get an error "There is a problem with this website's security certificate". To continue installation, click the **Continue to this website** button.

Configure HP ePrint

a. Go to www.hpeprintcenter.com.

b. Click **Sign In** to enter your HP ePrintCenter credentials or to 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 email address that is before the @ symbol.

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

NOTE: If another user has selected a password, you will need that password to make changes to these settings.

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 email 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.

10. The installation and configuration confirmation screen appears.

Figure 2-11 Software installation — installation and configuration confirmation screen

Click the **Setup Scan to Folder and Email** button to open the product's embedded web server and gain access to the E-mail and Save to Network Folder Quick Setup Wizards.

To go the HP ePrint Center after completing the installation, select the **Open HP ePrint Center web site** check box.

Click the **Finish** button.

NOTE: For complete instructions on how to configure Scan to Folder and Email, please see the User Guide.

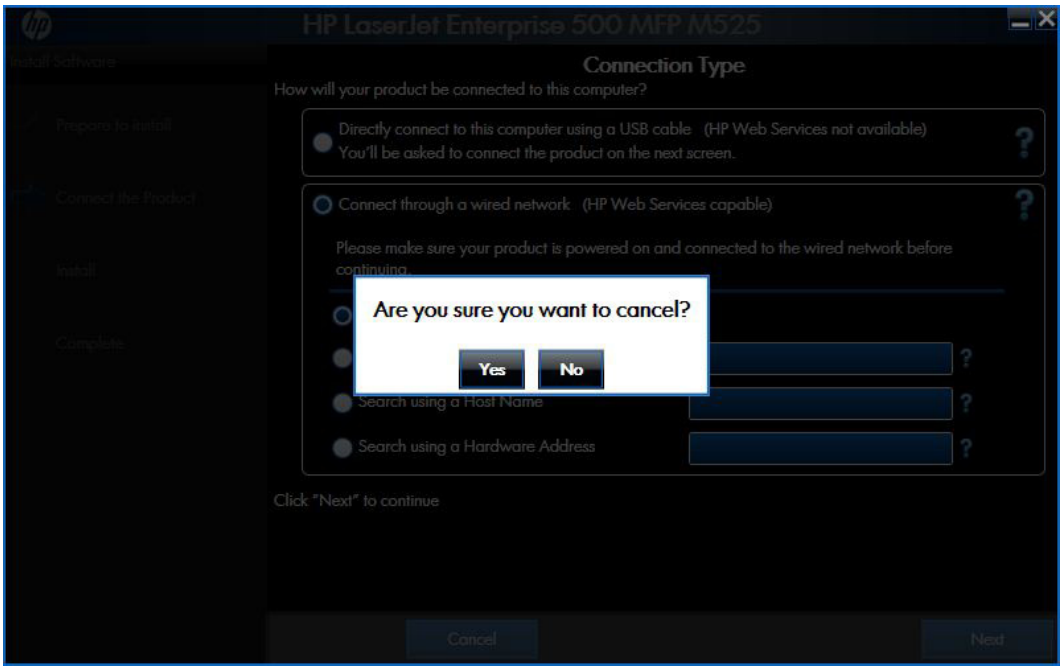
Use the Back, Next, Finish, and Cancel buttons

The following buttons appear on various dialog boxes during the installation process.

- **Back**. Click this button to return to the previous dialog box.
- **Next**. After you select any options on a given screen, click this button to proceed to the next step in the installation sequence.
- **Finish**. Click this button to complete the installation process.

- **Cancel**. Click this button to exit the installer without installing the product. When you click **Cancel**, a dialog box opens, confirming that the installation will be cancelled. Click **Yes** to cancel the installation and exit the installer or **No** to continue with the installation.

Figure 2-12 Installation Cancelled dialog box



Set a default printer

1. Depending on your operating system, click the **Start** button and then do one of the following to find the list of installed printers:
   - Click **Devices and Printers** or **Printers and Faxes**
   - Click **Control Panel** and then click **Printers**, or first click **Hardware and Sound**, and then click **Printers**
   - Click **Settings**, and then click **Printers** or **Printers and Faxes**
2. Right-click the product that you want to set as the default printer.
3. Click **Set As Default** or **Set as default printer**, depending on your operating system. A check mark appears next to the product set as the default.

HP Send Fax driver

Use the HP Send Fax Driver to send faxes from your computer via the product if the optional Analog Fax Accessory 500 is installed. After the HP Send Fax Driver is installed, access and use it in the same manner as a printer driver. The HP Send Fax Driver can only be used with network connected printers.

Download the HP MFP Send Fax Driver from the following location:

www.hp.com/go/pcsendfax

NOTE: For complete information about using the HP Send Fax Driver, see the *HP LaserJet MFP Analog Fax Accessory 500 Send Fax Driver Guide*, which can be downloaded from www.hp.com/go/mfpfaxaccessory500. Click **Manuals** from the left navigation bar. It is also available on the User CD.

Print driver only installation instructions (Microsoft® Add Printer Wizard)

NOTE: This print driver only software solution provides print-only functionality through a communications port that has already been created for this product (USB or network-connected). Scan functionality is not included with this installation method.

Use the following instructions to install the printer driver only:

1. Depending on your operating system, click the **Start** button and then do one of the following to find the list of installed printers:
   - Click **Devices and Printers** or **Printers and Faxes**
   - Click **Control Panel** and then click **Printers**, or first click **Hardware and Sound**, and then click **Printers**
   - Click **Settings**, and then click **Printers** or **Printers and Faxes**
2. Click the **Add a printer** button, and then click **Next**.
3. When asked if the product is a local or network product, select **Add a local printer**.
4. To use an existing port, click **Use an existing port**, select the down arrow for **Use an existing port** and then select the port.

   -or-

   To connect to a new network port, select **Create a new port** and select Standard TCP/IP Port. Click **Next** and unselect **Query the printer ..** . Type in the IP address or Hostname and click **Next**.
5. On the **Install Printer Software** screen, click **Have Disk...**. The **Install from Disk** dialog box appears.
6. Insert the printing-system software CD into the CD-ROM drive.
7. Click **Browse...**, and then select the printer driver for the product.

   To install the HP PCL 6 printer driver, navigate to the root folder of the CD and select the hpcm575c.inf file for a 32 bit operating system, or the hpcm575u.inf file for a 64 bit operating system.

   To install either the HP PCL5 UPD, the HP PCL6 UPD, or the HP PS UPD, navigate to where you downloaded the update file from www.hp.com/go/upd, and then select the PDL (PS, PCL5, or PCL6), select the 32 bit or 64 bit directory, and then select the file.
8. Click the **Open** button.

9. On the **Install from Disk** dialog box, click the **OK** button.

NOTE: If you are installing the UPD, select the either driver showing the version number or the generic driver. For more information, see the System Admininstrator's Guide, which can be downloaded at www.hp.com/go/upd.

10. Click **Next**. Complete the installation. When prompted, print a test page to ensure that the printer driver is installed correctly.

Install optional software

Use the following steps to install optional software programs:

1. Insert the HP LaserJet Enterprise 500 color MFP M575 or HP LaserJet Enterprise color flow MFP M575 software CD into the CD-ROM drive. The installer program should open.

   If the installer program has not started after 30 seconds, complete these steps:

   a. On the **Start** menu, click **Run**.

   b. Type the following: X:\SETUP.EXE (where X is the letter of the CD-ROM drive).

   c. Click the **OK** button.

2. Click the **More Options** menu.

NOTE: All of the software listed in the following steps is available via Web download only and does *not* come on the product software CD.

3. Click the **Admin Software** button to gain access to the following software:

   - **HP Web Jetadmin (Online)**

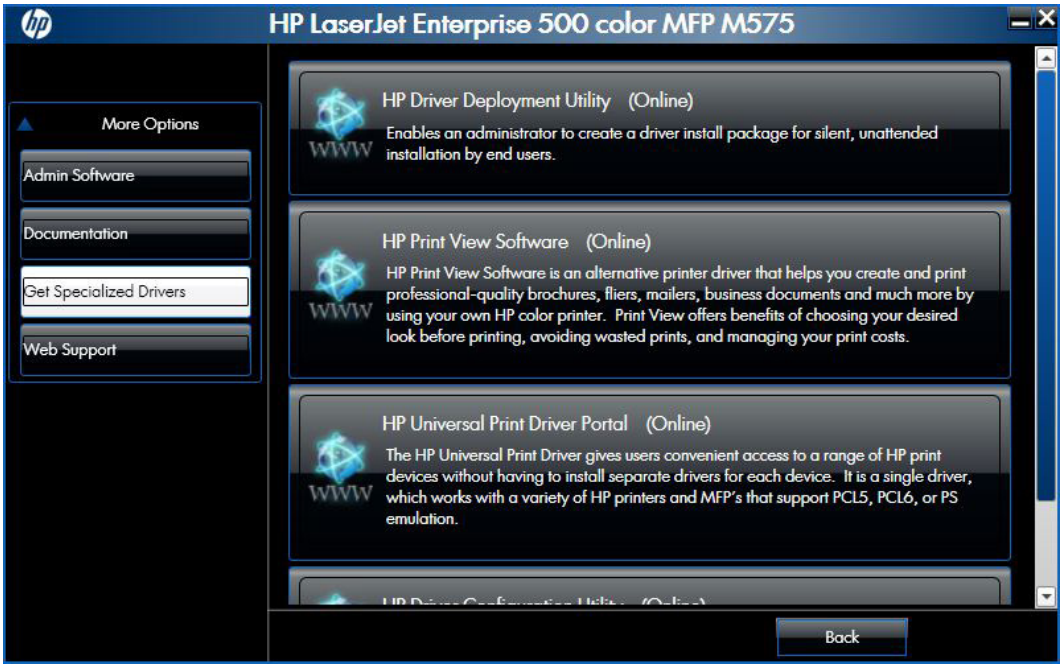
4. Click the **Get Specialized Drivers** button to gain access to the following software:

   - **HP Driver Configuration Utility (Online)**
   - **HP Driver Deployment Utility (Online)**

NOTE: HP Driver Deployment Utility and HP Driver Configuration Utility are components of the HP Printer Administrator's Resource Kit (PARK). To access the DCU and DDU, download PARK at www.hp.com/go/upd.

- **HP Print View Software (Online)**
- **HP Universal Print Driver Portal (Online)**

Figure 2-13 More Options screen–**Get Specialized Drivers**



Uninstall software

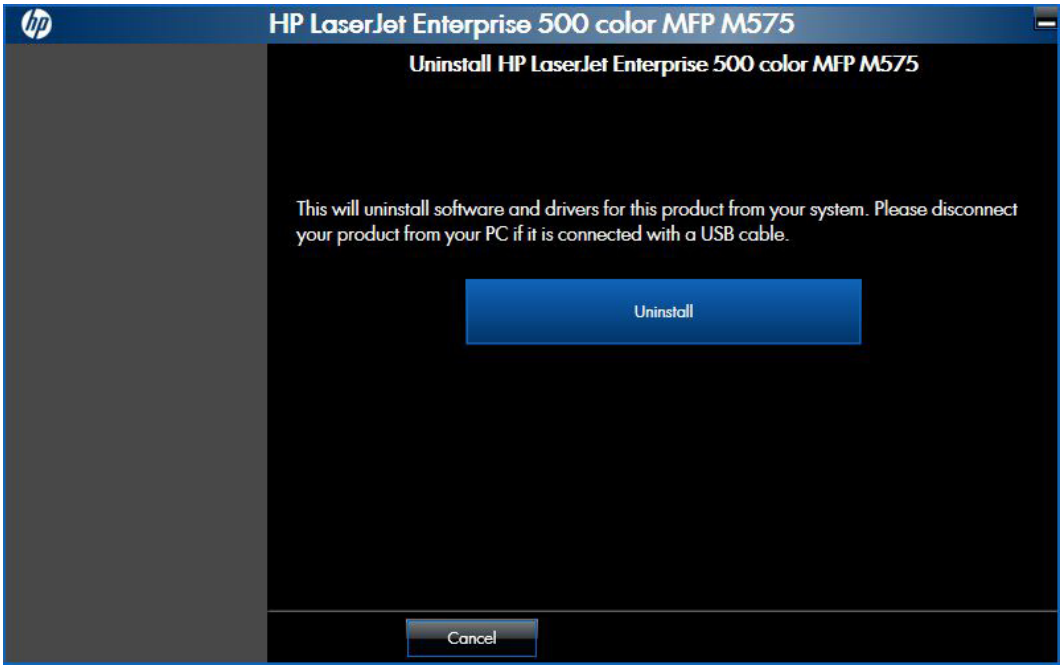
NOTE: If the print driver was installed by using the HP Driver Installation Utility, follow the instructions in the Remove the print driver by using the Windows® Add or Remove Programs feature on page 61. If the driver was installed using the Add Printer Wizard, follow the instructions in the Uninstall the print driver by using the Server Properties feature on page 63.

Use the HP Uninstall utility to remove the product software

The installed software includes a utility to remove the product software.

1. Click the Windows® **Start** button, click the **Programs** or **All Programs** item, and then click the **HP** item.
2. Click the HP LaserJet Enterprise 500 color MFP M575 or HP LaserJet Enterprise color flow MFP M575 item, and then click the **Uninstall Product Software** item. The HP Uninstaller utility opens.

Figure 2-14 HP Uninstaller utility — Uninstall button



3. When the process is complete, either click the **Reboot Now** button, or clear the check box and click the **Reboot Later** button.

Figure 2-15 HP Uninstaller utility — Reboot Now button

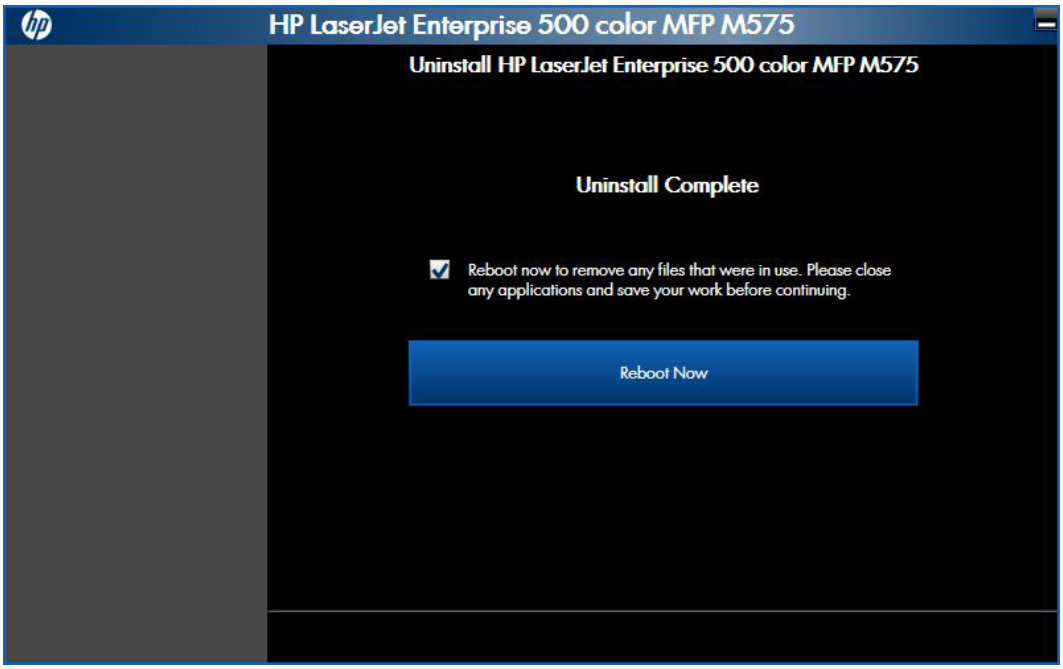
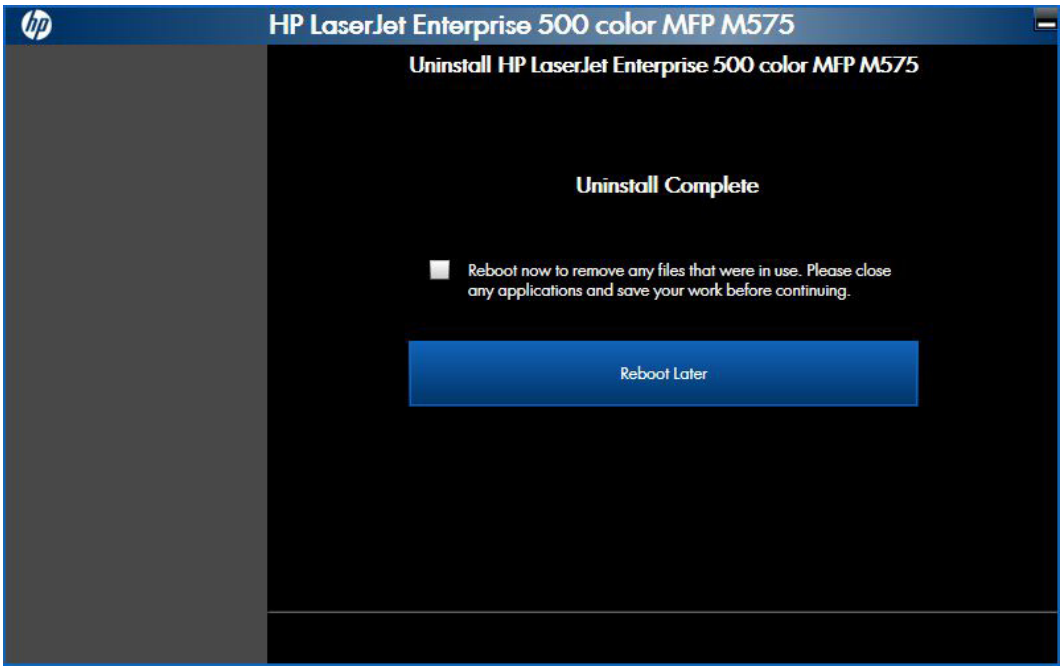


Figure 2-16 HP Uninstaller utility — Reboot Later button



Use the software CD to remove the product software

The installer program on the software CD includes a utility to remove the product software

1. Insert the printing system software CD into the CD-ROM drive. The software installer detects the language of the operating system, and then displays the main menu of the installation program in the same language.

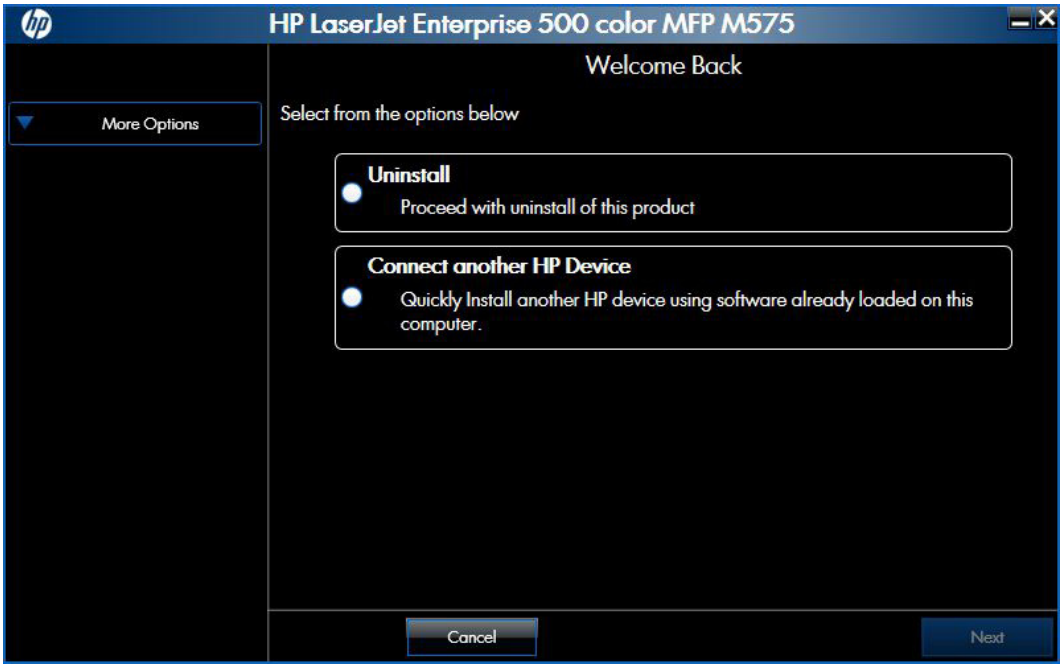
   If the installer program has not started after 30 seconds, complete these steps:

   a. On the **Start** menu, click the **Run** option.

   b. Type the following: `X:\SETUP.EXE` (where X is the letter of the CD-ROM drive).

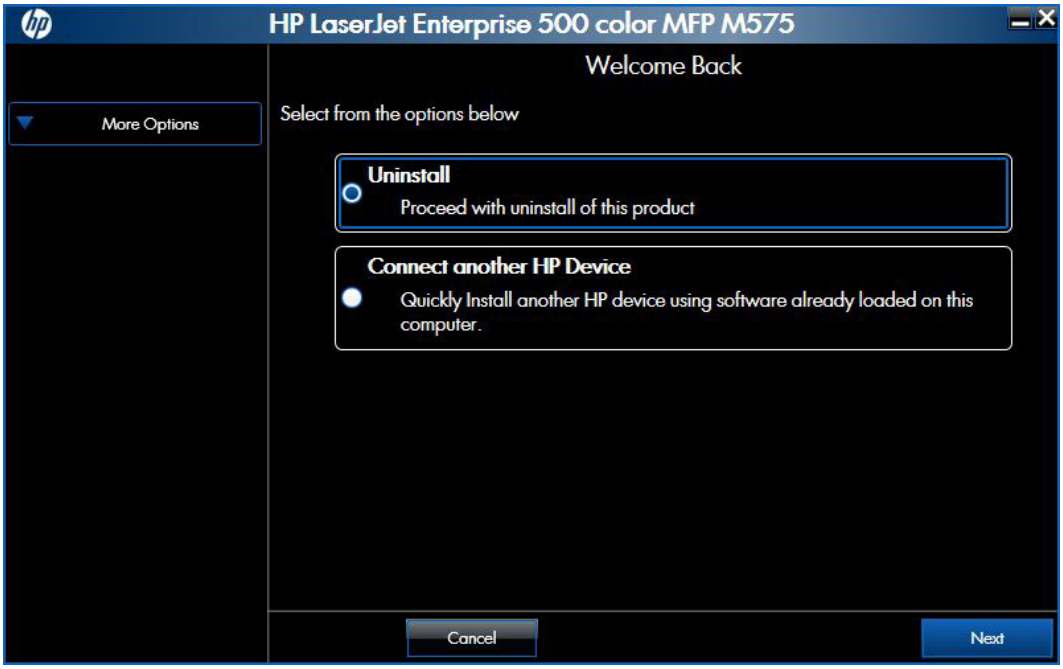
   c. Click the **OK** button. The installer program starts and opens the **Welcome Back** screen.

   Figure 2-17 Software installation — Welcome Back screen



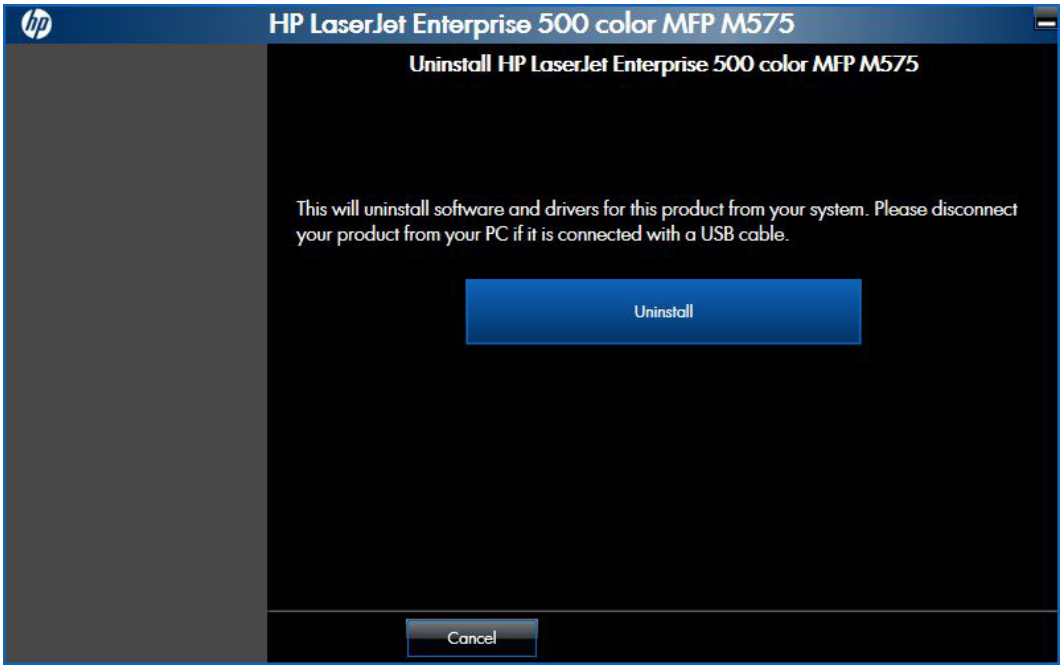
2. Click the **Uninstall** option, and then click the **Next** button.

Figure 2-18 Software installation — Uninstall option selected



3. Click the **Uninstall** button, and then follow the onscreen instructions to complete the process.

Figure 2-19 Software uninstall — Uninstall button



4. Click the **Uninstall** button to begin the removal process. When the process is complete, either click the **Reboot Now** button, or clear the check box and click the **Reboot Later** button.

Figure 2-20 Software uninstall — Reboot Now button

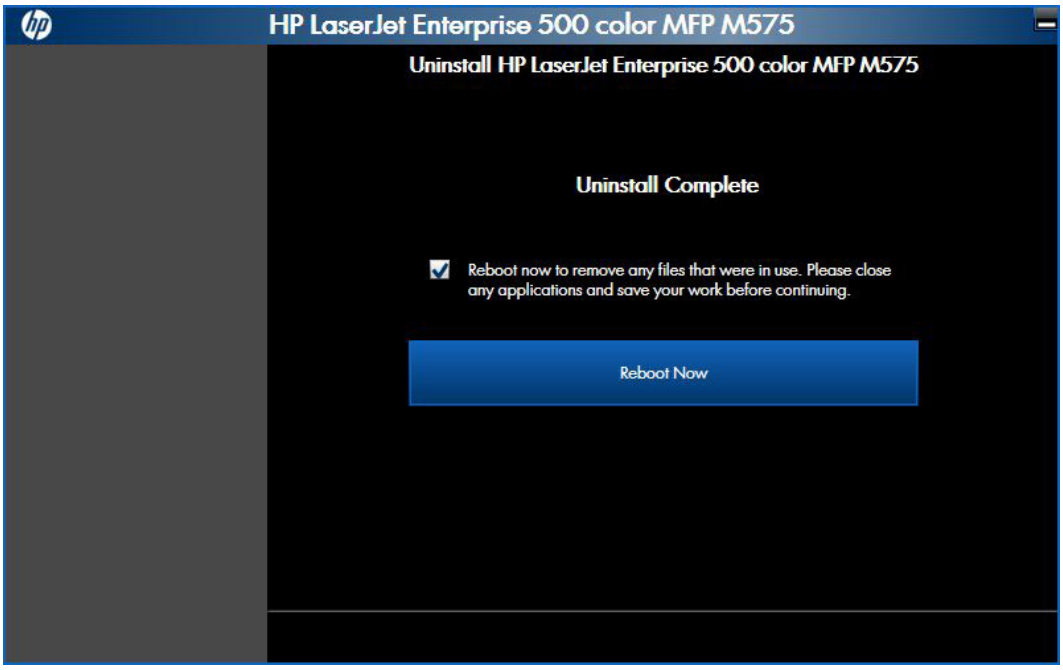
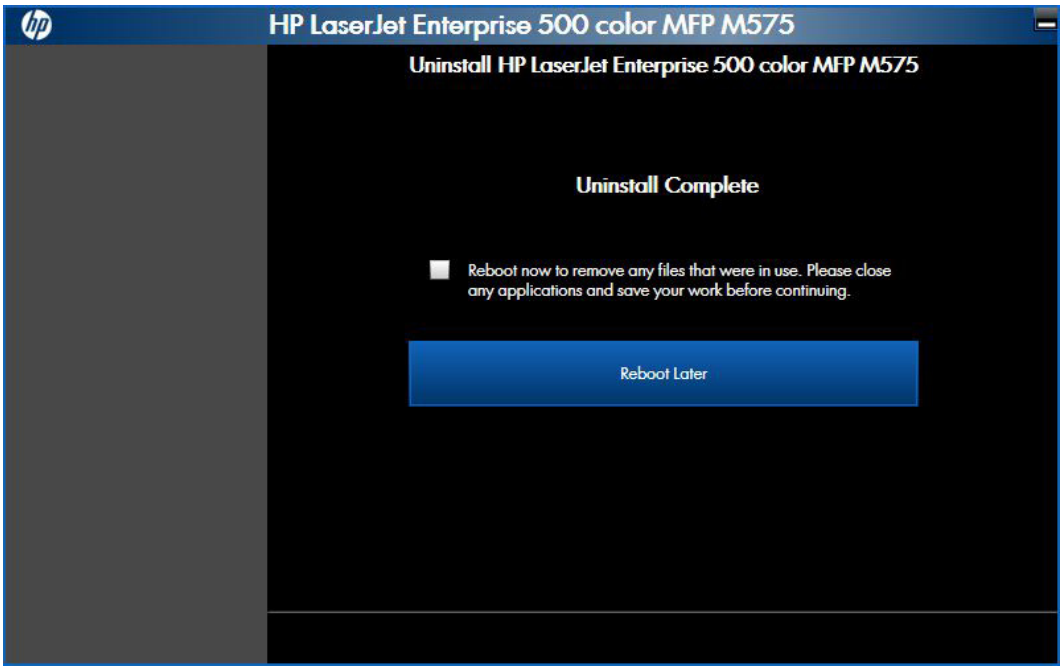


Figure 2-21 Software uninstall — Reboot Later button



Remove the print driver by using the Windows® Add or Remove Programs feature

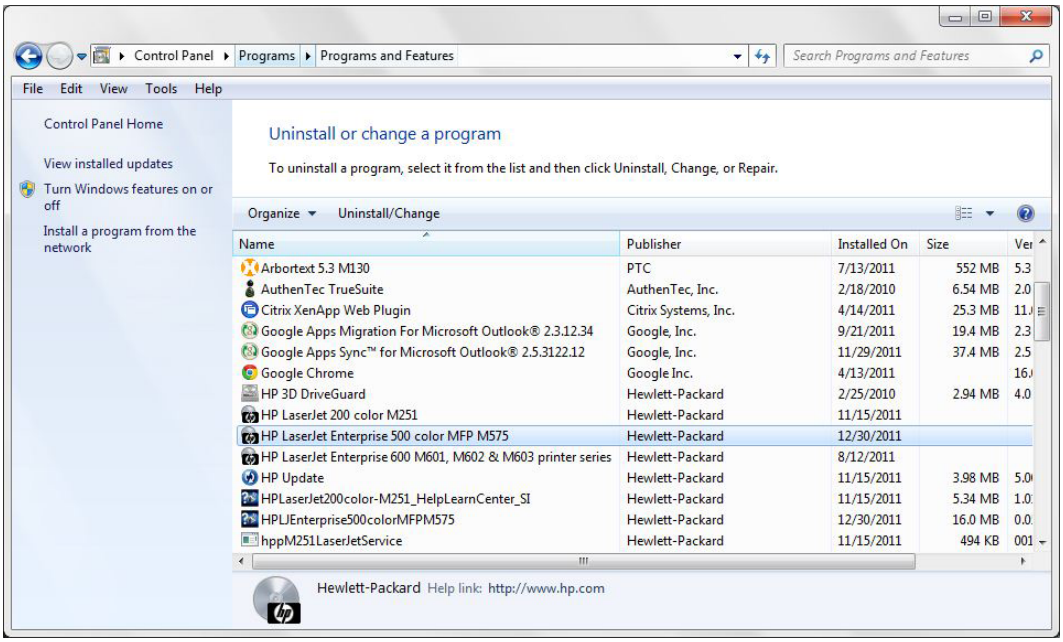
If the print driver was installed by the HP Driver Installation Utility (HP DIU), perform the following to uninstall the driver:

NOTE: You do not need the printing-system software CD to use this uninstall method.

NOTE: To uninstall the software, you must log on with administrator privileges.

1. Close all programs.
2. Depending on your operating system, click the **Start** button, then **Control Panel** and then do one of the following:
   - Double-click the **Add/Remove programs** item
   - Under the **Programs** menu click the **Uninstall a program** item
   - Under the **All Programs** menu click the **Uninstall a program** item

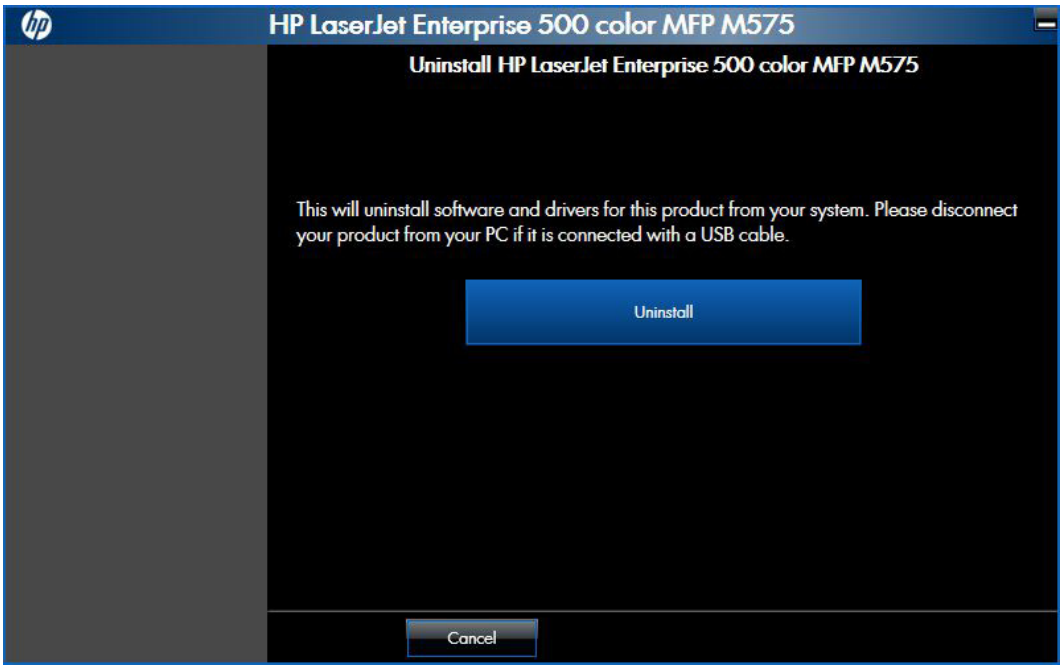
Figure 2-22 Windows® Control Panel screen



3. Select the component you want to remove, click **Change/Remove Programs** or **Uninstall/Change**, depending on your operating system. The following components might appear in the list of programs:
   - HP LaserJet Enterprise 500 color MFP M575 PCL 6 driver
   - HP LaserJet Enterprise color flow MFP M575 PCL 6 driver

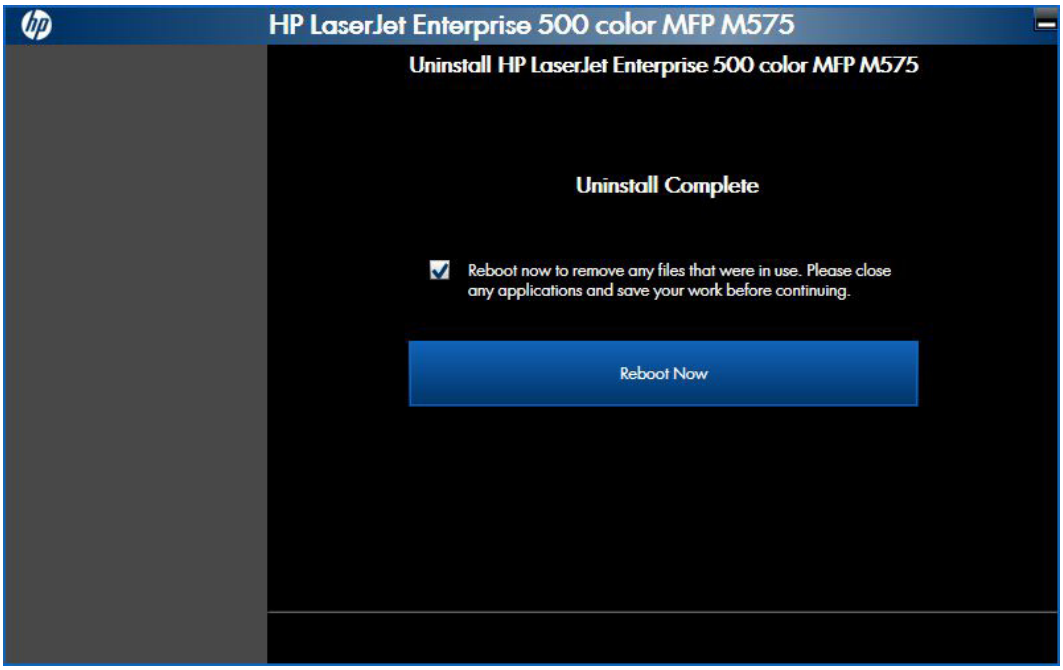
4. The HP Driver Uninstall Utility launches. Click the **Uninstall** button to start the uninstall process. Click **Cancel** to exit the HP Uninstall Utility.

Figure 2-23 HP Driver Uninstall Utility screen



5. When the removal is complete, you will be prompted to reboot the computer. Clear the check box to reboot at a later time.

Figure 2-24 HP Driver Uninstall Complete screen



Uninstall the print driver by using the Server Properties feature

If the print driver was installed by the Add Printer Wizard, perform the following to uninstall the driver:

NOTE: To uninstall the software, you must log on with administrator privileges.

1. Close all programs.
2. Depending on your operating system, click the **Start** button and then do one of the following to find the list of installed printers:
   - Click **Devices and Printers** or **Printers and Faxes**
   - Click **Control Panel** and then click **Printers**, or first click **Hardware and Sound**, and then click **Printers**
   - Click **Settings**, and then click **Printers** or **Printers and Faxes**
3. Right-click the icon for your product and then click the **Delete** button. This removes the icon for the product only, but it does not remove the associated files.

   NOTE: You cannot have any print jobs in the print queue for the print driver being deleted. Double-click the print queue icon to verify the there are no jobs in the print queue.
4. To remove the associated files, do one of the following steps, depending on your operating system:
   - Click the **File** menu from inside the **Printers** or **Printers and Faxes** dialog, and then click the **Server Properties** menu item
   - Right-click the list pane, and then click the **Server Properties** menu item
   - Click another item in the **Printers and Faxes** group, and then at the top of the list click the **Printer server properties** button
5. Click the **Drivers** tab, click the name of the product, and then click the **Remove** button. When you are prompted to confirm the deletion, click the **Yes** button.

   NOTE: This will fail if there are any queues on the product using this driver.
6. Click the **OK** button to close the **Print Server Properties** dialog, and then close the **Printers** or **Printers and Faxes** dialog .

NOTE: Note: Any modifications to any HP UPD driver files (INF, MSI , etc.), making registry edits after installation, or manually copying or deleting files, except when explicitly instructed to do so by HP in writing, will result in an unsupported configuration.

3 HP PCL 5, PCL 6, and PS emulation drivers for Windows®

Introduction

This chapter describes the driver printing preferences and printer property settings for the HP LaserJet Enterprise 500 color MFP M575 and HP LaserJet Enterprise color flow MFP M575 PCL6 discrete driver and the HP Universal Printing PCL 6, PCL 5 and PS Drivers.

You can control print jobs from several places:

- the product control panel
- the software program print dialog box
- the driver user interface

Generally, for features that are duplicated in more than one location (for instance, you can select the paper input tray from any of them), settings that are established in the software program take precedence over print-driver settings. Print-driver settings, in turn, override product control-panel settings.

When you install the printing-system software in Windows®, the HP PCL 6 Discrete Print Driver is installed by default through the installer. The HP PS Universal Print Driver and the HP PCL 5 Universal Print Driver and the HP PCL 6 Universal Print Driver can be installed by downloading the software from the Web.

Topics:

- Change the print driver settings for Windows®
- Help system
- Advanced tab features
- Printing Shortcuts tab features
- Paper/Quality tab features
- Effects tab features
- Finishing tab features

- Job Storage tab features
- Color tab features
- Services tab features
- Device Settings tab features
- About tab features

Change the print driver settings for Windows®

Operating System	To change the settings for all print jobs until the software program is closed	To change the default settings for all print jobs	To change the device configuration settings
Windows® 7, XP, Server 2003, Server 2008, and Vista	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.	1. Click **Start**, click **Settings**, and then click **Devices and Printers** (Windows® 7) or **Printers and Faxes** (Windows® XP Professional and Server 2003) or **Printers and Other Hardware Devices** (Windows® XP Home). For Windows Vista®, click **Start**, click **Control Panel**, and then click **Printer**. 2. Right-click the driver icon, and then select **Printing Preferences**.	1. Click **Start**, click **Settings**, and then click **Devices and Printers** (Windows® 7) or **Printers and Faxes** (Windows® XP Professional and Server 2003) or **Printers and Other Hardware Devices** (Windows® XP Home). For Windows Vista®, click **Start**, click **Control Panel**, and then click **Printer**. 2. Right-click the driver icon, and then select **Properties** or **Printer Properties**. 3. Click the **Configure** tab or the **Device Settings** tab.

To gain access to driver settings from within most software programs, click **File**, click **Print**, and then click **Properties** or **Preferences**. The appearance and names of the driver tabs that appear can vary, depending on the operating system. These settings apply only while the software program is open.

You can also control the driver directly from the **Printers** folder. These settings change the default settings for all software programs.

1. Depending on your operating system, click the **Start** button and then do one of the following to find the list of installed printers:
   - Click **Devices and Printers** or **Printers and Faxes**
   - Click **Control Panel** and then click **Printers**, or first click **Hardware and Sound**, and then click **Printers**
   - Click **Settings**, and then click **Printers** or **Printers and Faxes**
2. Right-click the device name, and then click **Printing Preferences** to gain access to the same set of driver tabs that the software program controls.

   -or-

   Right-click the device name, and then click **Printing Properties** to gain access to the **Properties** tab set, which controls the driver behavior and driver connections.

NOTE: Generally, for features that are duplicated in more than one location, settings that are established in the software program take precedence over print-driver settings. Print-driver settings, in turn, override product control-panel settings.

Properties tab set

The **Properties** tab set contains information about and options for configuring the product.

NOTE: Windows® also has tabs in the **Properties** tab set. For information about those tabs, see the documentation that came with the computer.

Printing Preferences tab set

The HP LaserJet Enterprise 500 color MFP M575 and the HP LaserJet Enterprise color flow MFP M575 product's **Printing Preferences** tabs contain options for formatting documents for the product. Gain access to the **Printing Preferences** tabs either through the software program or through the Windows® **Printers and Faxes** folder.

The following tabs are included in **Printing Preferences** tab set:

- Advanced
- Printing Shortcuts
- Paper/Quality
- Effects
- Finishing
- Job Storage

- Color
- Services

Document preview image

The document preview image is a line-drawn image of a page that represents graphics and text. The document preview image is always oriented so that the contents of the page are right-side-up. The document preview image appears in the upper-right corner of all **Printing Preferences** tabs except the **Services**, **Advanced**, and **Job Storage** tabs.

Switching between tabs does not change the location or appearance of the document preview image. Move the mouse over the document preview image, and the mouse cursor changes from an arrow to a gloved hand. Toggle between portrait and landscape page orientation by clicking on the image.

Help system

The HP PCL 6 Print Driver includes a full-featured Help system to provide assistance with printing and configuration options.

"What's this?" Help

Windows® XP, Windows® Server 2003, Windows® Server 2008, Windows Vista®, and Windows® 7 support **What's this?** Help. You can gain access to "What's this?" Help messages in any of the following ways:

- Right-click a feature or control. A pop-up Help window appears.
- Click a feature or control, and then press the F1 key. The Help window for the currently selected control appears.

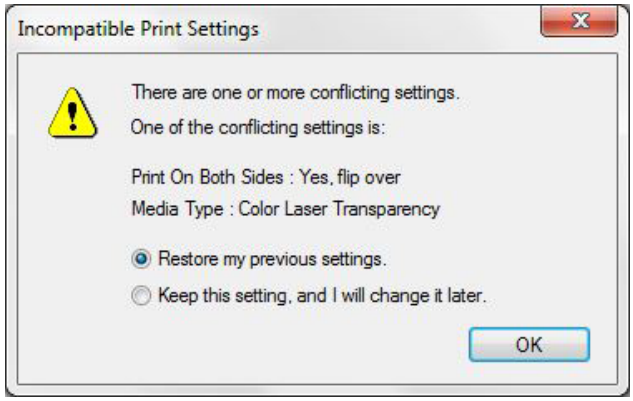
Incompatible Print Settings messages

Incompatible Print Settings (constraint) messages are unsolicited messages that appear in response to specific print-driver selections. These messages alert you to selections that are illogical or impossible given the product capabilities or the current settings of other controls.

NOTE: Constraint messages are limited, and the underlying software architecture might accept some settings that are illogical or impossible for the product to perform. Sending a job with incompatible settings can lead to unexpected results. If print jobs do not print as expected, check the product documentation for the product capabilities.

In supported Windows® operating environments, some technically invalid print-driver configurations result in warning messages. Duplexing, for example, is not possible when the Transparency paper type is selected. The following figure shows an **Incompatible Print Settings** message.

Figure 3-1 An **Incompatible Print Settings** message



To resolve the conflicting settings, click **Restore my previous settings.**, and then click **OK**. The driver resets the conflicting control back to its previous state.

If you want to keep the conflicting setting, click **Keep this setting, and I will change it later.**, and then click **OK**.

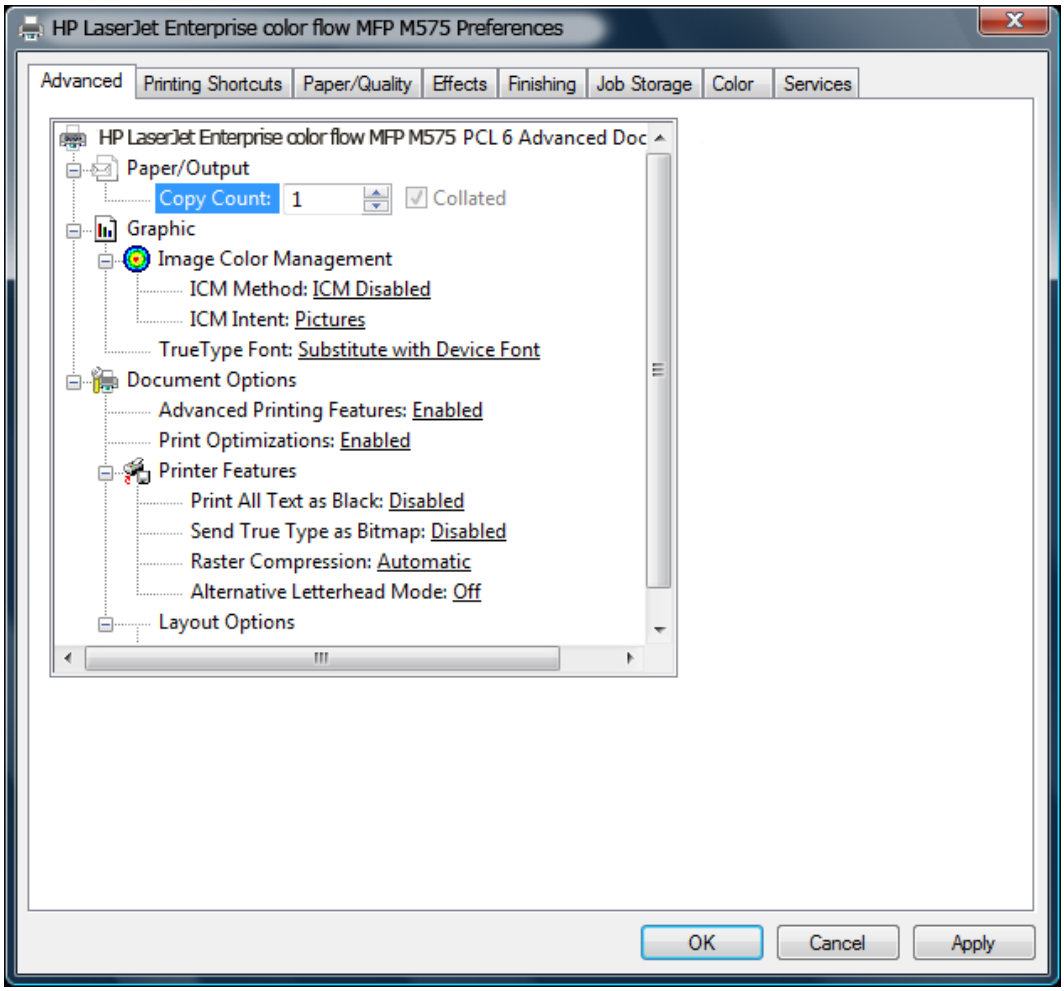
NOTE: In this example, the conflict can be resolved manually. If the conflict is not resolved when the driver is closed, then the same dialog appears again when a print job is sent to the product.

Advanced tab features

NOTE: The **Advanced** tab is located on the **Printing Preferences** tab set.

Use the **Advanced** tab to change the layout of printed pages. Use this tab to configure special controls that are not commonly used, as well as to control features such as collating and copies in the driver (although most current software programs support these features in the print dialog box or through the page settings in the software program). The following figure shows the **Advanced** tab.

Figure 3-2 The default appearance of the **Advanced** tab



The **Advanced** tab contains the following controls:

- Paper/Output
- Graphic
- Document Options

Paper/Output

The **Paper/Output** setting contains the **Copy Count** setting.

Copy Count

Copy Count specifies the number of copies to print. This driver setting is useful for software programs that do not provide a copy count. If a copy count is available in the software program, set the copy count in the software program.

The number of copies that you request appears in the **Copy Count** option. You can select the number by typing in the text box or by using the up and down arrows to the right of the text box. Valid entries are numbers from 1 to 9999. The copies value will not advance from the maximum number (9999) to 1 when the up arrow is used, or change from 1 to the maximum number (9999) when the down arrow is used. When you click another group box or leave the **Advanced** tab, invalid entries into the text box (such as non-numerical input, numbers less than 1, or numbers greater than the maximum allowed) are changed to the last valid value that appeared in the text box. The default number of copies is 1.

Because you can set the number of copies that you want from some software programs, conflicts between the software program you are using and the driver can arise. In most cases, the software program and the driver communicate, so that the number of copies set in one location (such as the program) will appear in the other (such as the driver). For some programs, this communication does not take place, and the copies values are treated independently. For these programs, setting 10 copies in the program and then setting 10 copies in the driver will result in 100 copies (10 x 10) being printed. It is recommended that you set the number of copies in the program, whenever possible.

When the **Copy Count** option is set to more than 1, the **Collated** check box becomes available. Select this check box when you want the product to collate (collect and combine in proper order) the printed copies. Most current software programs support the collating feature in the print dialog box or through the page settings in the software program.

Graphic

The **Graphic** setting contains the following controls:

- **Image Color Management** settings
- **ICM Intent**
- **True Type Font** settings

Image Color Management

This control lists the available Image Color Management (ICM) options used for printing color graphics. ICM, a set of calculations for color matching, makes it possible for programs to adjust colors before printing so that the color of images on the screen more closely match the color of those images when they are printed.

NOTE: The ICM control is typically set to **ICM Disabled**.

ICM Intent

This control specifies how color images are created to produce the best looking image on the printed page.

The following options are available:

- **Graphics**: The best setting to use if you are printing a chart or using fully saturated, bright colors.
- **Pictures**: The default setting. Use this setting to maximize the contrast for photographs or pictures where the colors blend together.
- **Proof**: The setting to use if your document uses a color that you need to match exactly, and you are sending the document to a printer that has that specific color of ink.
- **Match**: Allows you to preview the color settings from another printer.

True Type Font

Use **Substitute with Device Font** (the default setting) to print documents that contain TrueType fonts by using equivalent printer fonts. This permits faster printing; however, you might lose special characters that the equivalent printer font does not support. Select **Download as Softfont** to download TrueType fonts for printing instead of using printer fonts.

Document Options

The **Document Options** setting contains the following controls:

- Advanced Printing Features
- Print Optimizations
- Printer Features
- Layout Options

Advanced Printing Features

When the **Advanced Printing Features** setting is **Enabled**, metafile spooling is turned on and **Finishing** tab options such as **Page Order**, **Booklet Layout**, and **Pages per Sheet** are available, depending on your product.

Enhanced metafile spooling is used to greatly reduce the amount of time that elapses between a request to print (initiated by an application) and the return of control to the application by the operating system.

For normal printing, leave the **Advanced Printing Features** setting at the default (**Enabled**). If compatibility problems occur, you can disable the feature. However, some advanced printing features might still appear in the print driver, even though they have been disabled. If you select an advanced printing feature in the print driver that has been disabled on the **Advanced** tab, the feature is automatically re-enabled.

Print Optimizations

The default setting for **Print Optimizations** is **Enabled**. When this feature is enabled and your document contains overlapping text and graphics, the text that is placed on top of a graphic might not print correctly. If the printed output is not correct, you can disable this feature. When this feature is disabled, print optimization-features, such as substituting device fonts for TrueType fonts and scanning for horizontal and vertical rules, are turned off.

Printer Features

The **Printer Features** setting contains the following controls:

- **Print All Text as Black**

  Print All Text as Black is **Disabled** by default. When **Enabled** is selected, the driver prints all text as black regardless of the original document text color. Color text is printed as black, except for white text, which remains white. (White text is a reliable method of printing reverse typeface against a dark background.) This setting does not affect graphic images on the page, nor does it affect any text that is part of a graphic.

- **Send True Type as Bitmap**

  Send True Type as Bitmap provides an alternative for software programs that have trouble using TrueType fonts for special graphic aspects such as shading, rotation, or slanting. The setting is **Disabled** (off) by default. The TrueType fonts are converted to bitmap soft fonts before downloading. The **Enabled** setting causes the driver to send TrueType fonts to the product as outlines, which retains the standard format (outline) of the fonts.

- **Alternative Letterhead Mode**

  When selected, **Alternative Letterhead Mode** eliminates the need to flip or reload letterhead or preprinted paper in a tray, whether you are printing on one or both sides of the sheet. Load the paper as you would for printing on both sides. If the product tray has an icon that indicates whether to load paper either face-up or face-down, load the paper in opposite orientation of that shown.

  When this option is selected, you must use one of the following options in the **Paper type** setting:

  - Letterhead
  - Preprinted

Layout Options

The **Layout Options** setting contains the **Page Order** setting.

Page Order specifies the order in which the pages of your document are printed. **Front to Back** (default setting) prints the document so that page 1 prints first. **Back to Front** prints the document so that page 1 prints last.

NOTE: The page-ordering operation works on whole sheets of paper rather than on individual logical pages. Accordingly, if you set **Pages per Sheet** (on the **Finishing** tab) to be greater than one, the ordering of logical pages on a physical sheet of paper does not change.

Printing Shortcuts tab features

- Use defined printing shortcuts
- Create a custom printing shortcut

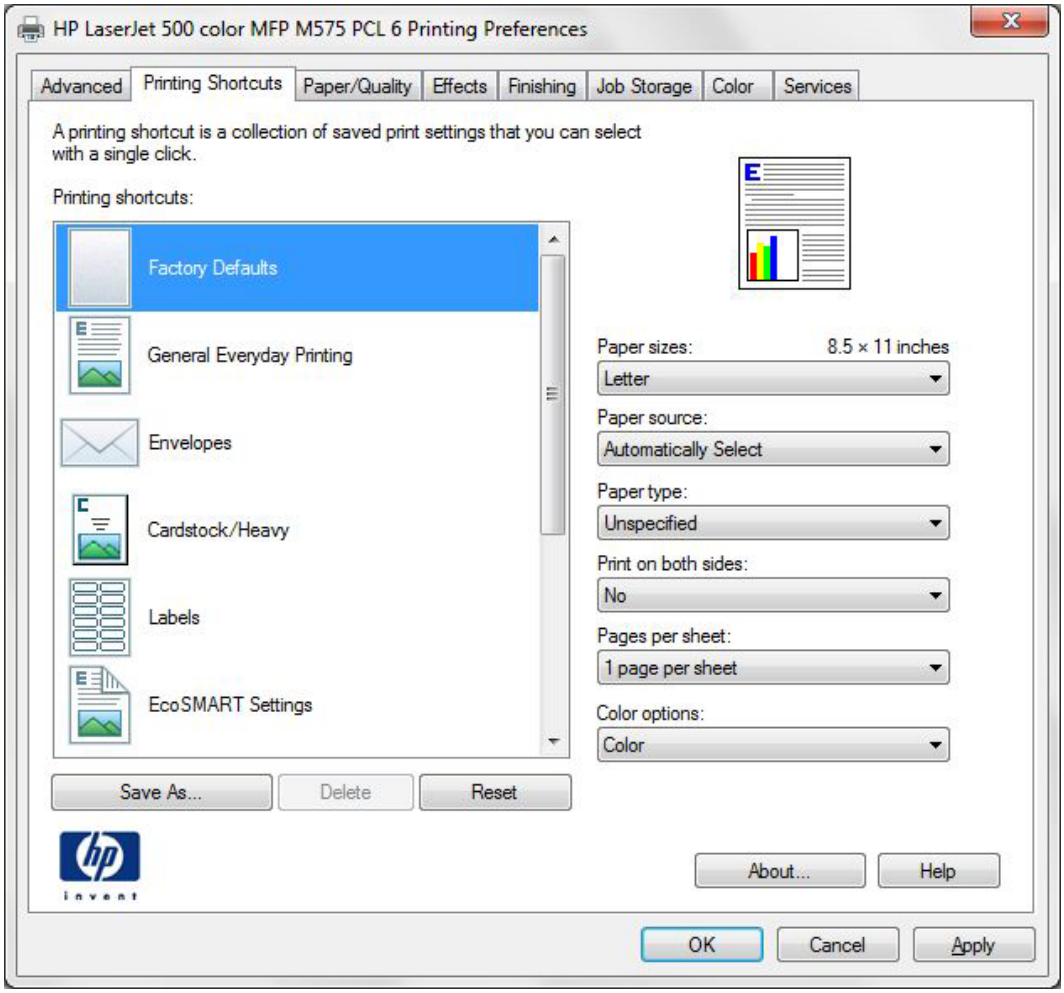
NOTE: The **Printing Shortcuts** tab is located on the **Printing Preferences** tab set.

Use the **Printing Shortcuts** tab to select and store specific combinations of driver settings for easy use.

The following figure shows the **Printing Shortcuts** tab.

NOTE: The number of options shown (**Paper sizes**, **Paper source**, etc) changes depending on the selected shortcut.

Figure 3-3 Printing Shortcuts tab



The **Printing Shortcuts** tab saves commonly used driver settings under a shortcut name.

- Use defined printing shortcuts
- Create a custom printing shortcut

Use defined printing shortcuts

The following defined printing shortcuts are available:

- **Factory Defaults**.Select this option to print with the default print driver settings.
- **General Everyday Printing**. Select this option to print using typical settings.
- **Envelopes**. Select this option to print using typical settings for booklet printing.
- **Cardstock/Heavy**
- **Labels**
- **EcoSMART Settings**. Select this option to print using typical settings for duplex printing.
- **Booklet Printing**
- **Snapshot Photos**
- **Glossy/Presentation**
- **Transparencies**

NOTE: If you change any of the settings for a defined printing shortcut, the **Save As...** and **Reset** buttons become active. Click **Save As...** to save the new settings as a custom printing shortcut. Click **Reset** to set the default options for all features of the selected shortcut.

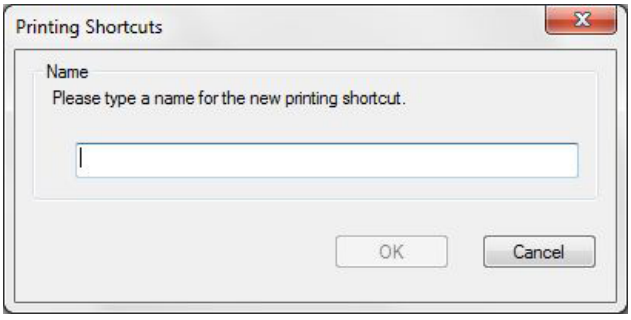
Create a custom printing shortcut

1. Select **General Everyday Printing** as a base.
2. Select the appropriate print settings on the **Printing Shortcuts** tab.

   NOTE: Setting **Color options** to **Black & White** automatically selects the **Print in Grayscale** option on the **Color** tab.

3. On the **Printing Shortcuts** tab, click **Save As...**. The **Printing Shortcuts** dialog box appears.

Figure 3-4 Printing Shortcuts dialog box



4. Type a name for the custom printing shortcut, and then click OK. The custom printing shortcut appears in the **Printing Shortcuts** list.

5. To delete a custom printing shortcut, click the custom shortcut, then click the **Delete** button.

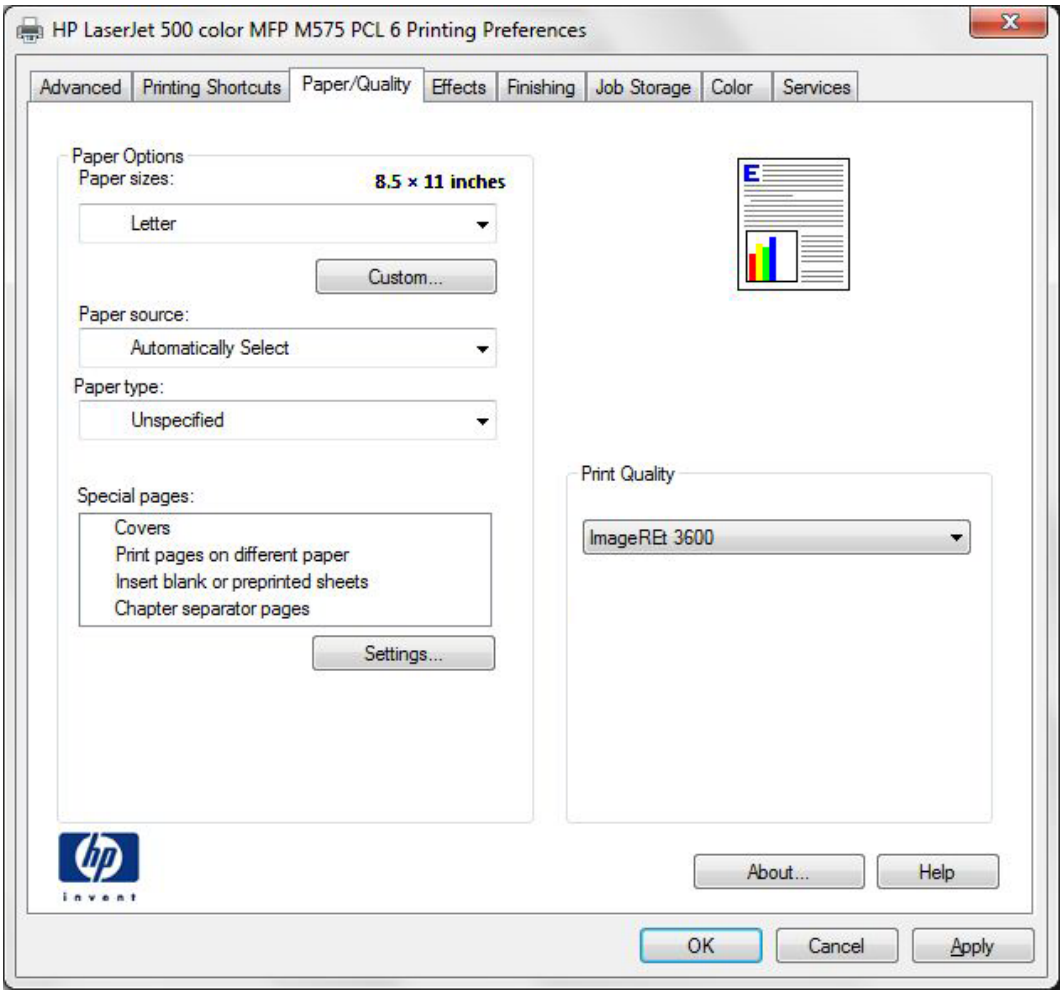
NOTE: Predefined shortcuts are designed for using as-is, or as bases for custom printing shortcuts, and cannot be deleted.

Paper/Quality tab features

NOTE: The **Paper/Quality** tab is located on the **Printing Preferences** tab set.

Use the **Paper/Quality** tab to specify paper size, type, and source. You can also use this tab to specify different paper selections for the front cover, first page, other pages, last page, and back cover of the document. The following figure shows the **Paper/Quality** tab.

Figure 3-5 Paper/Quality tab



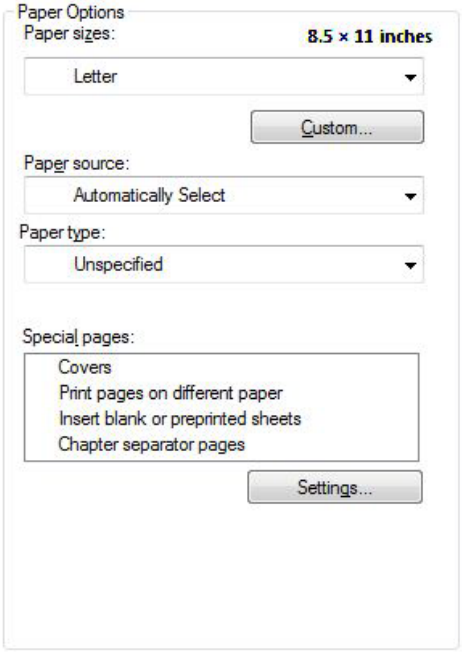
The **Paper/Quality** tab contains the following control sets:

- Paper Options
- Document preview image
- Print Quality

Paper Options

The settings specified in the **Paper Options** group box on the **Paper/Quality** tab apply to all of the pages of the document. The following figure shows the **Paper Options** group box and the selections that are available by default.

Figure 3-6 Paper Options group box



The settings in the **Paper Options** group box are described in the following order:

- Paper sizes
- Custom Paper Size
- Paper source
- Paper type
- Special pages

Paper sizes

The **Paper sizes** setting is a drop-down menu that lists all of the supported paper sizes.

When you move the mouse over the dimensions label, the mouse cursor changes from an arrow to a gloved hand. Click the dimensions label to toggle between English and metric units.

Because paper-size settings in most software programs override driver settings, it is generally best to use the driver to set paper size only when you are printing from software programs that do not include a paper-size setting, such as NotePad, or when you are producing a book or a booklet that does not require different paper sizes.

NOTE: Certain software programs can override the size command and specify different paper sizes within a single document.

When you change the print-driver setting to a paper size that is not currently loaded in the product, a control-panel message appears that prompts you to load the paper size or select another tray.

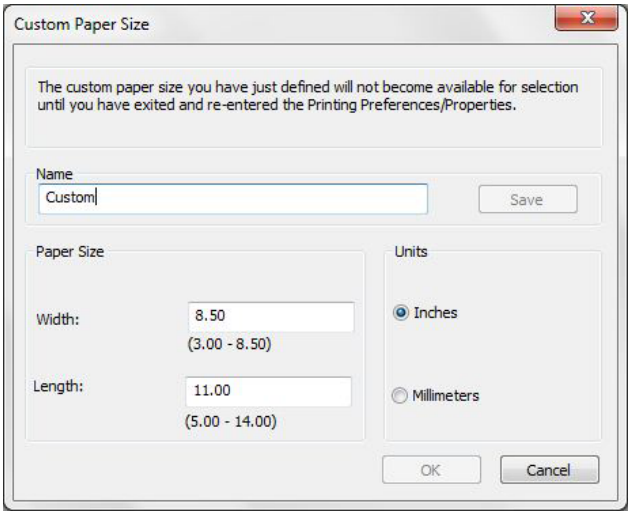
For information about paper sizes, see Media attributes and commands on page 168 .

When the **Settings** under the **Special pages** section have been changed, the **Paper sizes**, **Paper source**, and **Paper type** menus change also, offering a variety of options. For more information, see **Special pages** on page 82.

Custom Paper Size

The **Custom Paper Size** dialog box appears when you click **Custom...** on the **Paper/Quality** tab. The following figure shows the initial appearance of the **Custom Paper Size** dialog box.

Figure 3-7 Custom Paper Size dialog box



NOTE: Both the HP LaserJet Enterprise 500 color MFP M575 and the HP LaserJet Enterprise color flow MFP M575 products support custom paper sizes up to 14 inches in length and 8.5 inches in width.

Name

Use the **Name** text box to type a new name for a custom paper size. When you change the name to something other than **Custom**, the **Save** and **OK** buttons become active.

The name that appears in the **Name** text box depends on the following conditions:

- If a saved custom paper size has been selected from the drop-down menu on the **Paper/Quality** tab, then the **Name** text box shows the name of the selected custom paper size.
- If a standard paper size has been selected on the **Paper/Quality** tab, then the **Name** text box shows the default name of **Custom** .
- If a new name has been typed into the **Name** text box for the purpose of saving a new size or renaming an existing size, then that new name will remain in the text box until the new size is saved or the dialog box is closed.

If you type a new name into the **Name** text box, but then do not click **Save**, you can change the width and height values without losing the name. However, if you close the dialog box without clicking **Save**, any unsaved name or size values are lost without warning.

Paper size

The width and height values can be changed by typing numeric strings into the edit boxes in the **Paper Size** group box.

Any entry that is greater than the maximum limits of the width and height control is rounded down to the maximum valid entry, while any entry that is smaller than the minimum limits of the width and height control is rounded up to the minimum valid entry.

If units are in millimeters, the custom paper-size range minimum is the limit rounded up to the nearest whole millimeter. The custom paper-size range maximum is the limit rounded down to the nearest whole millimeter. Any non-numerical entry reverts to the minimum value. Width and height entries are validated when the focus has changed.

The resolution of each control is 1 millimeter or 1/10 of an inch, depending on the current measurement units.

Supported paper sizes

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

See the User Guide for a complete list of paper sizes.

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

Paper source

The **Paper source** setting specifies the source tray to use for printing a document. The list of source trays depends on the product accessories that are installed. Any optional source trays that are installed through the **Device Settings** tab also appear here.

The **Paper source** drop-down menu can contain the following options, depending on what has been installed on the product:

- **Automatically Select**
- **Printer auto select**
- **Manual Feed in Tray 1**
- **Tray 1** (100-sheet multipurpose tray)
- **Tray 2** (250-sheet tray)
- **Tray 3** (500-sheet tray)

The default setting is **Automatically Select**. When this setting is selected, the HP LaserJet Enterprise 500 color MFP M575 or HP LaserJet Enterprise color flow MFP M575 uses the source tray that supports the paper size that you have selected. If you select a source tray other than **Automatically Select**, make sure that the correct paper size is loaded in the source tray.

Paper type

The **Paper type** drop-down menu shows the first few paper types that the HP LaserJet Enterprise 500 color MFP M575 or HP LaserJet Enterprise color flow MFP M575 supports and an entry for **More**. Clicking **More** opens the **Type is:** dialog box. Click the **+** next to **Type is:** and its subcategories to view all of the paper types that the product supports, listed in the following categories:

- **Unspecified**
- **Everyday <96g**
  - **Plain**
  - **HP EcoSMART Lite**
  - **Light 60-74g**
  - **Bond**
  - **Recycled**
- **Presentation 96-130g**
  - **HP Color Laser Matte 105g**
  - **HP Premium Choice Matte 120g**
  - **HP Presentation Soft Gloss 120g**
  - **HP Professional Soft Gloss 120g**
  - **HP Premium Presentation Glossy 120g**
  - **Mid-Weight 96–110g**
  - **Heavy 111–130g**
  - **Mid-Weight Glossy 96–110g**
  - **Heavy Glossy 111–130g**
- **Brochure 131–175g**
  - **HP Brochure Matte 150g**
  - **HP Brochure Glossy 150g**
  - **Extra Heavy 131–175g**
  - **Extra Heavy Glossy 131–175g**
- **Photo/Cover 176–220g**
  - **HP Cover Matte 200g**
  - **HP Matte Photo 200g**
  - **Cardstock 176–220g**

- **Card Glossy 176–200g**
- **HP Brochure Glossy 200g**

- **Other**
  - **Color Label Transparency**
  - **Labels**
  - **Letterhead**
  - **Envelope**
  - **Preprinted**
  - **Prepunched**
  - **Colored**
  - **Rough**
  - **HP Tough Paper**
  - **Opaque Film**

The default setting is **Unspecified**.

No mechanism exists for manually adding custom paper types through the driver. Use HP Web Jetadmin to add custom paper types. Custom types can be added only by using bidirectional communication, so they must already exist in the product when the bidirectional query occurs. If bidirectional communication is enabled, then an updated list of paper types is returned. If bidirectional communication is not enabled, the driver looks for custom paper types that have been saved from a previous bidirectional communication query, and uses those. Otherwise, no custom paper types are available through the driver.

NOTE: To download a current version of HP Web Jetamin and for the latest list of supported host systems, go to the following Web site:

www.hp.com/go/webjetadmin

If you select a setting other than the default, make sure that the correct paper type is loaded in the tray that you selected in the **Paper source** setting..

When you change the print-driver setting to a paper type that is not currently loaded in the product, a control-panel message appears that prompts you to load the paper type or select another tray.

NOTE: To only use a specific tray for special paper such as letterhead, set the tray up as letterhead at the printer control panel. Select letterhead in the driver when you want to print to that tray.

To prevent *accidently* printing from a tray specified for special paper, specify plain paper at the printer control panel and driver for other print jobs. Otherwise, paper may be pulled from the wrong tray.

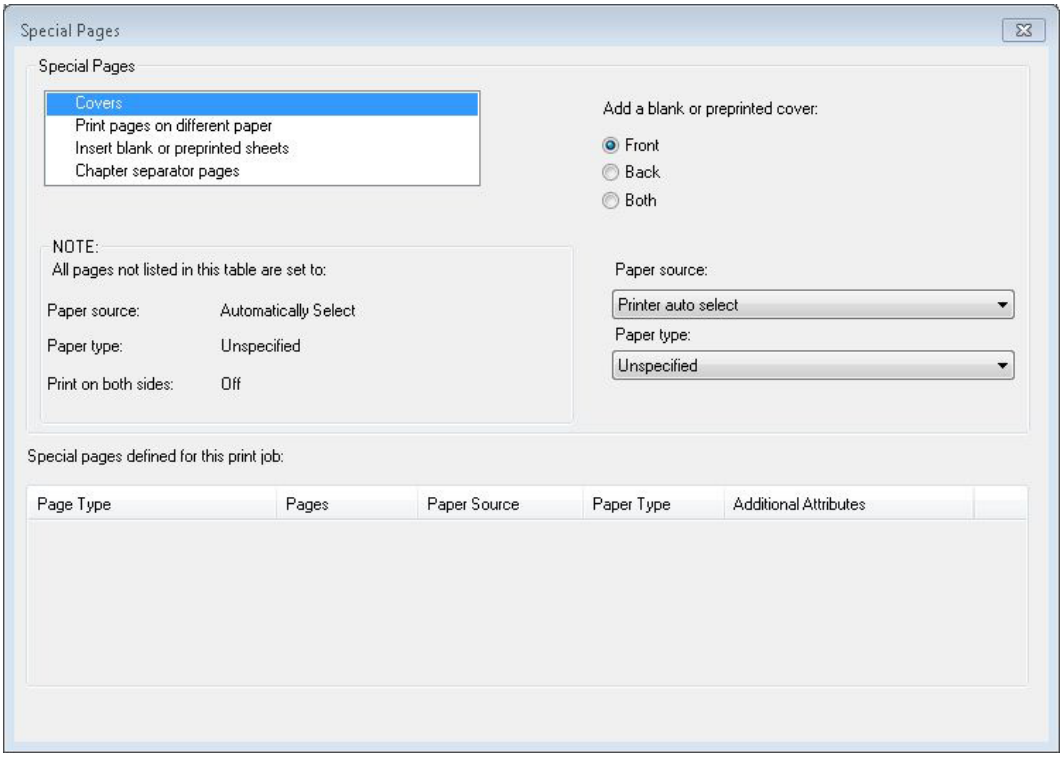
Special pages

To specify special pages to be used, click the **Settings** button under **Special pages**.

Covers

To use specific cover settings, click **Covers** in the **Special pages** group box.

Figure 3-8 Special Pages dialog box



Use the **Covers** options to include a blank or preprinted cover on a document, or to include a front/back cover from a source tray that is different from the one used for the remainder of the document.

The following are the **Covers** options:

- **Add a blank or preprinted cover:** Select which cover is customized: **Front**, **Back**, or **Both**.
- **Paper source:** The **Paper source** setting specifies the source tray to use for adding a front and/or back cover to the document. The list of source trays depends on the accessories that are installed. Any optional trays that are installed through the **Device Settings** tab also appear here.
- **Paper type**: The **Paper type** setting specifies the paper size to use for front and/or back covers. Changes made to the **Paper type** setting here override any previous **Paper type** settings using the same paper source.

NOTE: The same size of paper will be used for the entire print job.

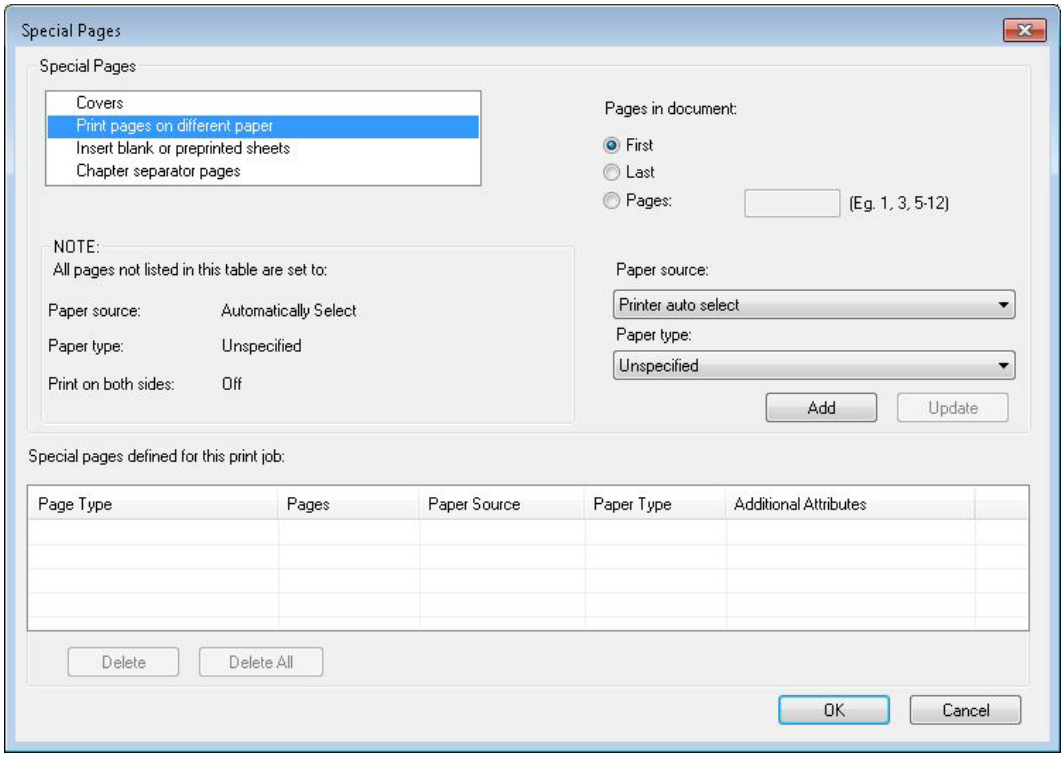
When you change the type and source of the paper and covers from the print dialog box, the settings remain configured until you close the software program.

Print pages on different paper

Use the **Print pages on different paper** options to select an alternative paper type or source for the first, last, or other pages of a document.

The following figure shows the **Print pages on different paper** settings and options.

Figure 3-9 Print pages on different paper



The following are the **Print pages on different paper** options:

- **Pages in document.** Select which pages are customized: the **First** page, the **Last** page, or specify a page range with the **Pages** option.
- **Paper source** The **Paper source** setting specifies the source tray to use for printing a document. The list of source trays depends on the accessories that are installed. Any optional trays that are installed through the **Device Settings** tab also appear here.
- **Paper type**: The **Paper type** drop-down menu shows all of the paper types that the HP LaserJet Enterprise 500 color MFP M575 or HP LaserJet Enterprise color flow MFP M575 supports.

NOTE: The same type of paper is used for the entire print job.

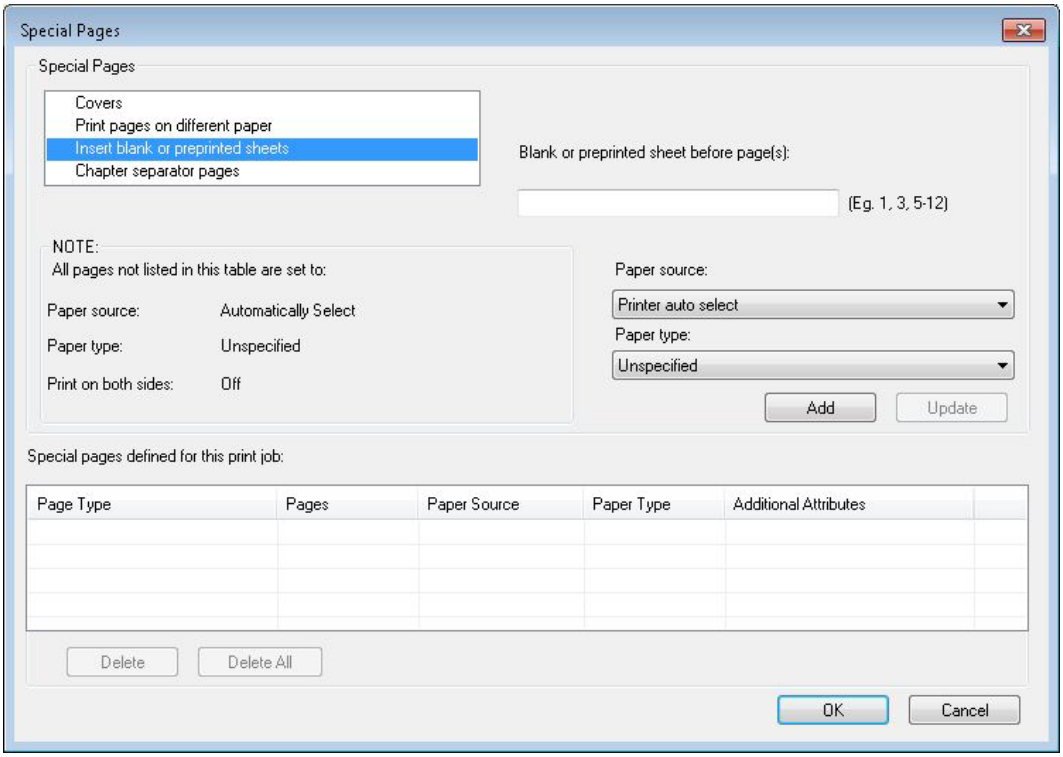
When you change the type and source of the paper and covers from the print dialog box, the settings remain configured until you close the software program.

Insert blank or preprinted pages

Use the **Insert blank or preprinted sheets** options to designate where to insert preprinted pages or blank pages into a document.

The following figure shows the **Print pages on different paper** settings and options.

Figure 3-10 Special Pages dialog–Insert blank or preprinted sheets



The following are the **Insert blank or preprinted sheets** options:

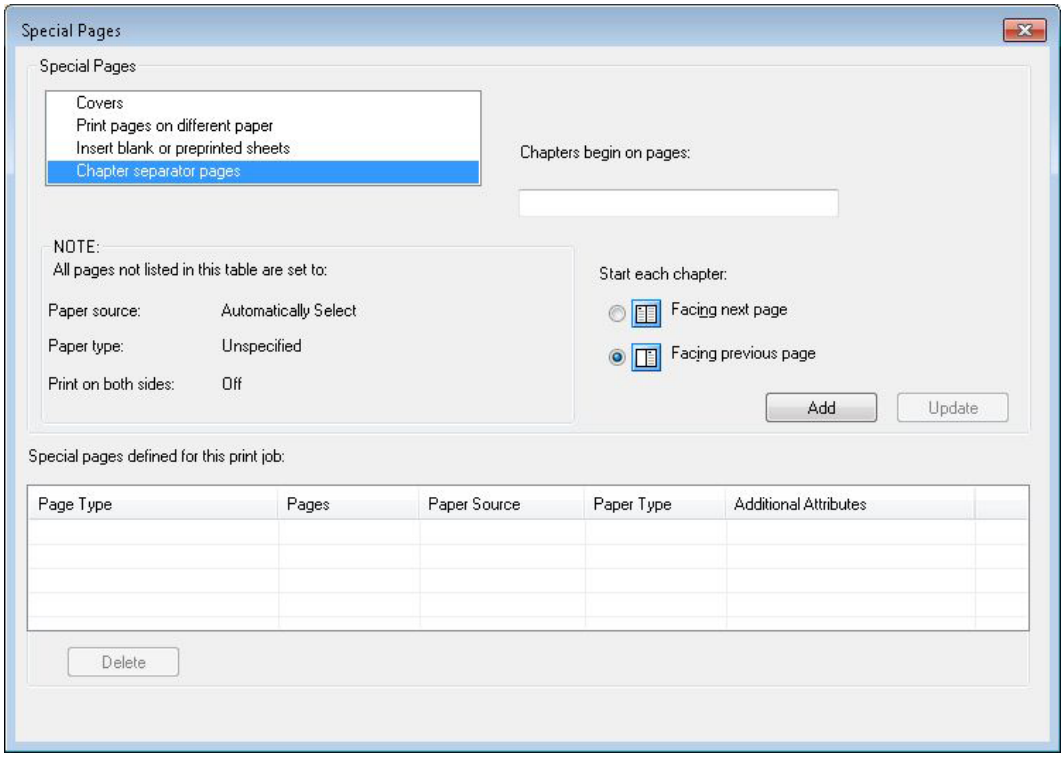
- **Blank or preprinted sheet before page(s):** Specify where in the document you want to insert blank or preprinted pages by designating the page numbers or page ranges that the blank or preprinted pages will precede. For example, to insert a blank or preprinted page before page 5, specify **5** in the **Blank or preprinted sheet before page(s):** option.
- **Paper source:** The **Paper source** setting specifies the source tray to use for printing a document. The list of source trays depends on the accessories that are installed. Any optional trays that are installed through the **Device Settings** tab also appear here.
- **Paper type:** The **Paper type** drop-down menu shows all of the paper types that both the HP LaserJet Enterprise 500 color MFP M575 and HP LaserJet Enterprise color flow MFP M575 product support.

Chapter separator pages

Use the **Chapter separator pages** options to designate where the first page of a chapter appears in the document.

The following figure shows the **Chapter separator pages** settings and options.

Figure 3-11 Special Pages dialog–Chapter separator pages



The following are the **Chapter separator pages** options:

- **Chapters begin on pages:** Specify where in the document the chapters begin by designating a page number for each chapter.
- **Start each chapter:** Select **Facing next page** to make each chapter begin on the left side of the document. Select **Facing previous page** to make each chapter begin on the right side of the document.

Click the **Add** button to add the special pages you create. These special pages will be listed and available for use under **Special pages defined for this print job**.

Document preview image

The document preview image is a line-drawn image of a page that represents graphics and text. The document preview image is always oriented so that the contents of the page are right-side-up. The document preview image appears in the upper-right corner of the following **Printing Preferences** driver tabs:

- **Printing Shortcuts**
- **Paper/Quality**
- **Effects**
- **Finishing**
- **Color**

Switching between tabs does not change the location or appearance of the document preview image. When you move the mouse over the document preview image, the mouse cursor changes from an arrow to a gloved hand. You can toggle between portrait and landscape page orientation by clicking the image.

Print Quality

The **Print Quality** group box contains the Print Quality drop-down menu.

Print Quality drop-down menu

Use this control to select print quality. ImageRet settings precisely control colors by combining up to 4 colors and varying the amount of toner in a given area to create many smooth colors, sharp images, and crisp text.

The **Print Quality** drop-down menu contains the following resolution options.

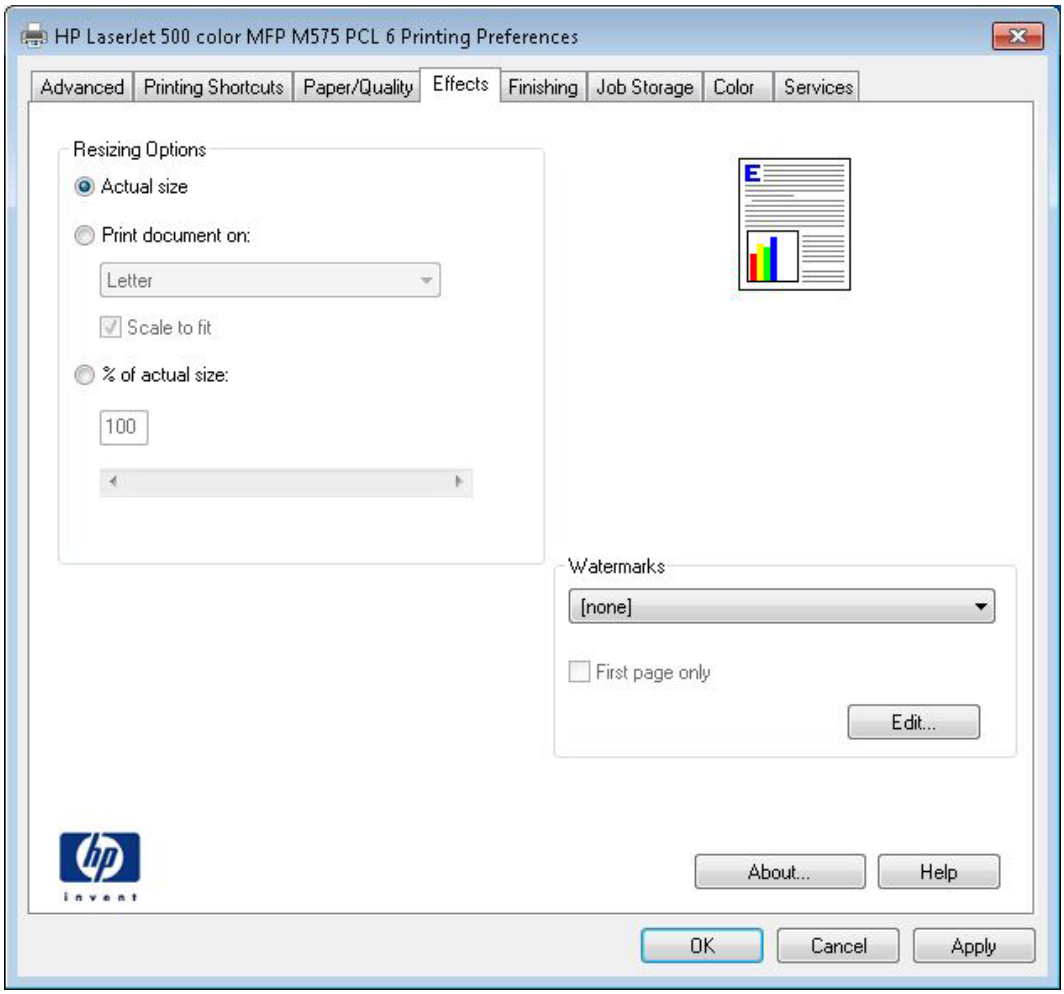
- **ImageRet 3600**. This setting is selected by default. ImageRet 3600 produces a 600x600 dpi print resolution that provides 3600-dpi laser-class quality with millions of smooth colors.
- **1200 x 1200**. This setting may improve the rendering of fine lines and text.

Effects tab features

NOTE: The **Effects** tab is located on the **Printing Preferences** tab set.

Use the **Effects** tab to create unique paper effects such as scaling and watermarks. The following figure shows the **Effects** tab.

Figure 3-12 Effects tab



The **Effects** tab contains the following controls:

- Resizing Options
- Document preview image
- Watermarks

Resizing Options

The **Resizing Options** group box consists of the following controls:

- **Actual Size** (default)
- **Print Document On**
- **Scale to Fit**
- **% of Actual Size**

Actual Size

Actual Size is the default setting. It prints the document without changing the document size.

Print Document On

Click the **Print Document On** option to format the document for one paper size and then print the document on a different paper size, with or without scaling the image to fit the new paper size.

The **Print Document On** control is disabled by either of the following conditions:

- The **% of Actual Size** value is not 100.
- The **Pages per Sheet** value (on the **Finishing** tab) is not 1.

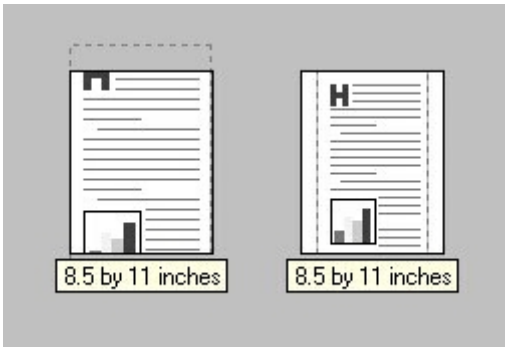
When **Print Document On** is selected, the drop-down menu shows the paper sizes on which you can print. The list contains all of the standard paper sizes that the selected paper source supports and any custom sizes that you have created. When **Print Document On** is selected, **Scale to Fit** is automatically selected. Clear this check box if you do not want your document reduced or enlarged to fit on the selected paper.

Scale to Fit

The **Scale to Fit** option box specifies whether each formatted document page image is scaled to fit the target paper size. By default, **Scale to Fit** is selected when **Print Document On** is selected. If the setting is turned off, then the document page images will not be scaled, and are instead centered at full size on the target paper. If the document size is larger than the target paper size, then the document image is clipped. If it is smaller, then it is centered within the target paper. The following figure shows

preview images for a document formatted for Legal-size paper with the **Print Document On** check box selected, and the target size specified as **Letter**.

Figure 3-13 Preview images – Legal on Letter; **Scale to Fit** off (left) and on (right)



When the size for which the document is formatted (that is, the logical size) differs from the target size, the preview image uses a dashed gray line to show the boundaries of the logical page in relation to the target paper size.

% of Actual Size

The **% of Actual Size** option provides a slider bar and input box to use for scaling the percentage setting. The default setting in the entry box is 100% of actual size. Actual size is defined as the paper size that is selected within the driver or what the driver receives from the software program (if the software program does not negotiate the paper size with the driver). The driver scales the page by the appropriate factor and sends it to the product.

The limits of the range are from 25% to 400%, and any values outside the range are adjusted to those limits as soon as the focus is removed from the control (that is, when the Tab key is pressed or another control is selected).

Any change to the scale also changes the page preview, which increases or decreases from the upper-left corner of the preview.

The slider bar controls the scale directly. The value in the edit box changes as the slider-bar indicator is dragged, and the document preview image is updated to the new image scale. Each click on the arrows increases or decreases the scale by 1%. Each click on the slider bar affects the scale by 10%.

You cannot achieve an exact value by dragging the slider-bar indicator. Instead, either use the slider-bar indicator to approximate the value that you want and then use the arrows to refine the value, or type the value into the entry box.

The following settings disable **% of Actual Size**:

- **Print Document On** (on the **Effects** tab) is selected
- **Pages per Sheet** (on the **Finishing** tab) is not 1

Document preview image

The document preview image is a line-drawn image of a page that represents graphics and text. The document preview image is always oriented so that the contents of the page are right-side-up. The

document preview image appears in the upper-right corner of the following Printing Preferences driver tabs:

- **Printing Shortcuts**
- **Paper/Quality**
- **Effects**
- **Finishing**
- **Color**

Switching between tabs does not change the location or appearance of the document preview image. When you move the mouse over the document preview image, the mouse cursor changes from an arrow to a gloved hand. You can toggle between portrait and landscape page orientation by clicking the image.

Watermarks

Use the **Watermarks** feature to select a watermark, create a new watermark (text only), or edit an existing watermark. The following watermarks are preset in the driver:

- **(none)**
- **[Username]**
- **Confidential**
- **Draft**
- **SAMPLE**

If the **[Username]** watermark is selected, the driver will use the network username of the logged in user for the watermark.

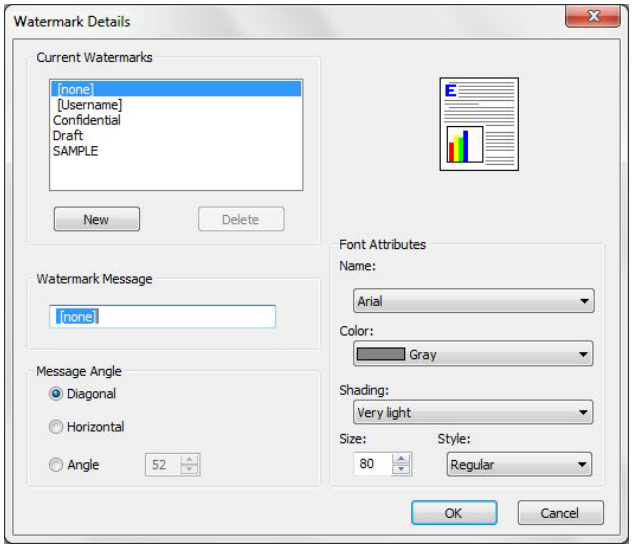
The drop-down menu shows alphabetically sorted watermarks that are currently available on the system, plus the string "(none)," which indicates that no watermark is selected. This is the default setting. Any watermark that is selected from this list appears in the preview image.

When the **First Page Only** check box is selected, the watermark is printed only on the first page of the document. The **First Page Only** check box is disabled when the current watermark selection is "(none)."

Watermarks are applied to logical pages. For example, when **Pages per Sheet** is set to "4" and **First Page Only** is unchecked, four watermarks appear on the physical page (one on each logical page).

Click **Edit**, and the **Watermark Details** dialog box appears.

Figure 3-14 Watermark Details dialog box



The dialog box shows a preview image and provides options for creating a new watermark and controlling the message angle and font attributes.

Click **OK** to accept all of the changes that are made in the **Watermark Details** dialog box. However, clicking **Cancel** does not cancel all of the changes. If you make changes to a watermark and then select a different watermark or click **New**, all of the changes are saved, and only the current, unsaved changes can be canceled.

Current watermarks

The **Current Watermarks** group box contains a list of available watermarks, both predefined watermarks that are available in the driver and any new watermarks that you have created.

To create a new watermark, click **New**. The new watermark appears in the **Current Watermarks** list and in the **Watermark Message** edit box as "**Untitled**" until you name it. The name that you type in the **Watermark Message** field appears in the **Current Watermarks** group box in the **Watermark Details** dialog box and in the **Watermarks** group box on the **Effects** tab.

To name the new watermark, type the selected watermark text in the **Watermark Message** edit box.

To delete a watermark, select the watermark in the **Current Watermarks** list, and then click **Delete**. A warning appears asking whether you are sure you want to delete the selected item. Click **Cancel** if you want to keep the watermark. Click **OK** to delete the selected watermark.

NOTE: You can have no more that 30 watermarks in the **Current Watermarks** list at one time. When you reach the limit of 30 watermarks, the **New** button is disabled.

To edit an existing watermark, select the watermark in the **Current Watermarks** list. If you change the **Watermark Message** for that watermark, you are, in effect, creating a new watermark.

Watermark Message

The **Watermark Message** is also the name that identifies the watermark in the **Current Watermarks** list, except when more than one watermark has the same message. For example, you might want several different watermarks with the message DRAFT, each with a different typeface or font size. When this occurs, the string is appended with a space, a pound sign, and a number (for example, **Draft #2**). When a number is added, the number two is used first, but if the resulting name is also in the list, then the number increases until the name is unique (**Draft #3**, **Draft #4**, and so on).

Message Angle

Use the controls in the **Message Angle** group box to print the watermark in different orientations on the page. All settings center the watermark string within the page; the selection of a particular setting affects only the angle of the string placement. The following settings are available:

- **Diagonal**. This is the default setting. Select this setting to place the text along a line that spans the lower-left to upper-right corners of the page.
- **Horizontal**. Select this setting to place the text along a line that spans from the mid-left to the mid-right edge of the page.
- **Custom**. Select this setting to place the text at the specified angle across the page. Use the numeric spin box to select the angle.

Font Attributes

Use the controls in the **Font Attributes** group box to change the font and the color, shading, size, and style of the font.

The **Font Attributes** group box contains the following controls:

- **Name**

  The **Name** drop-down menu lists fonts that are currently installed on the system. The default is language-dependent.

- **Color**

  The **Color** drop-down menu contains the following selections:

  - **Gray**
  - **Red**
  - **Yellow**
  - **Green**
  - **Cyan**
  - **Blue**
  - **Magenta**

- **Shading**

The default **Shading** setting for new and preset watermarks is **Very Light**. The following range of shades is available from the **Shading** drop-down menu:

- **Lightest**
- **Very Light** (default)
- **Light**
- **Medium Light**
- **Medium**
- **Medium Dark**
- **Dark**
- **Very Dark**
- **Darkest**

These values represent the intensity of the gray or color that is used. Select **Light** to produce a lightly saturated watermark. Select **Lightest** to produce the lightest shade of watermark. Select **Darkest** to produce a black or solid color watermark.

- **Size**

  Font sizes from 1 to 999 points are available from the **Size** menu. The default point size is language-dependent.

- **Style**

  The following settings are available:

  - **Regular**
  - **Bold**
  - **Italic**
  - **Bold Italic**

    The default **Style** setting for new and preset watermarks is **Regular**.

Default watermark settings

The following table shows **Font Attribute** settings for new and preset watermarks.

Table 3-1 Font Attribute settings for new and preset watermarks

Setting	New watermark	Preset watermark
Name	**Arial**	Varies by language
Color	**Gray**	**Gray**
Shading	**Very Light**	**Very Light**

Table 3-1 Font Attribute settings for new and preset watermarks (continued)

Setting	New watermark	Preset watermark
Size	**80**	Varies by language
Style	**Regular**	**Regular**

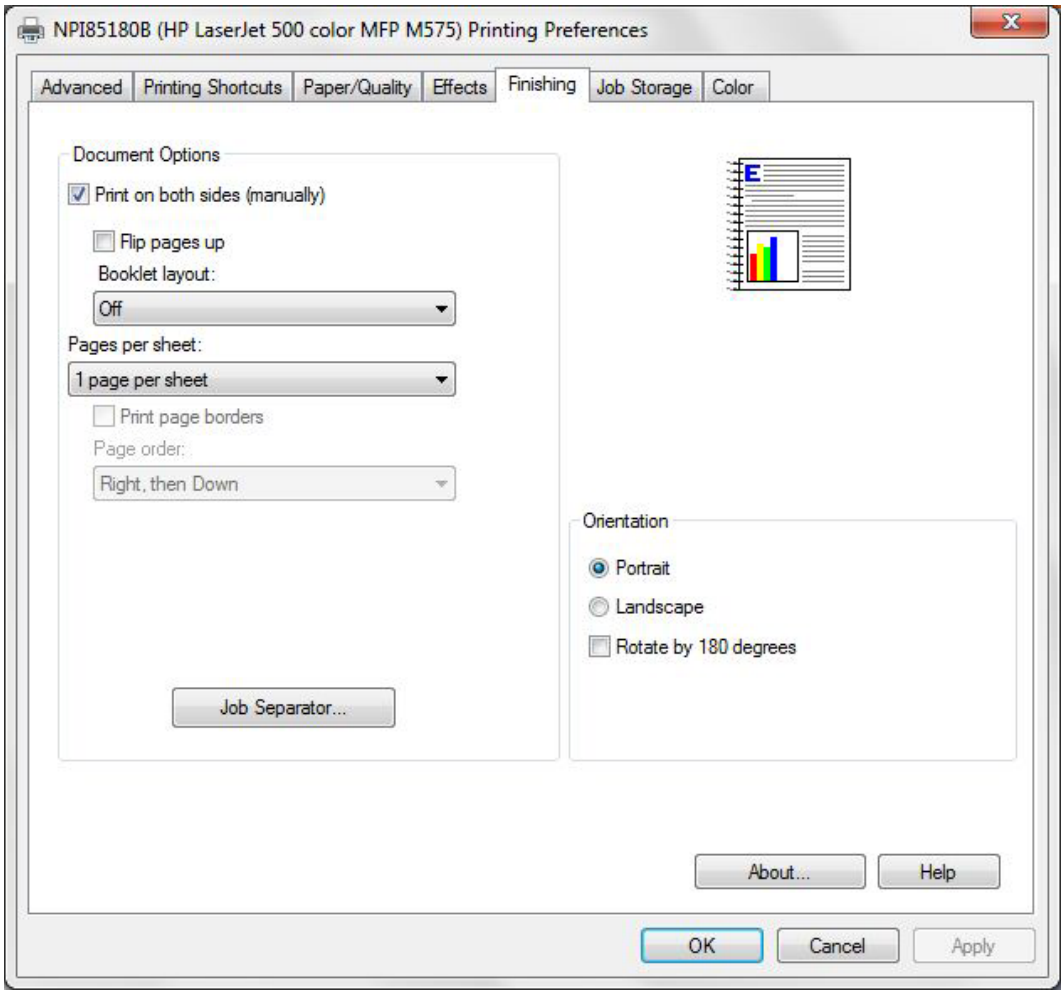
Click **OK** to accept all of the changes that have been made in the **Watermark Details** dialog box. Clicking **Cancel** does not cancel all of the changes. If you make changes to a watermark and then select a different watermark or click **New**, all of the changes are saved, and only the current, unsaved changes can be canceled.

Finishing tab features

NOTE: The **Finishing** tab is located on the **Printing Preferences** tab set.

Use the **Finishing** tab to print booklets and control the paper output. The following figure shows the **Finishing** tab.

Figure 3-15 Finishing tab



The **Finishing** tab contains the following controls:

- Document Options
- Document preview image
- Orientation

Document Options

The **Document Options** group box contains the following controls:

- Print on Both Sides

- Flip Pages Up
- Booklet Layout
- Pages per Sheet
- Print Page Borders
- Page Order

Print on Both Sides

The default setting for the **Print on Both Sides** option, or **Print on Both Sides (manually)** for non-duplexing models, is off (not selected). **Print on Both Sides** is available when the following conditions exist:

- **Paper type** on the **Paper** tab is set to any paper type *except for* the following types:
  - **Labels**
  - **Color Laser Transparency**
  - **Envelope**
- **Paper sizes** is set to any paper size *except for* the following sizes:
  - **Statement**
  - **3x5**
  - **4x6**
  - **5x7**
  - **5x8**
  - **A6**
  - **B6**
  - **10x15cm**
  - **Envelope #10**
  - **Japanese Postcard**
  - **Envelope #9**
  - **Envelope Monarch**
  - **Envelope B5**
  - **Envelope C5**
  - **Envelope C6**
  - **Envelope DL**

Print on both sides automatically

The duplexing unit in the HP LaserJet Enterprise 500 color MFP M575 or HP LaserJet Enterprise color flow MFP M575 product prints on two sides of a sheet of paper when the **Print on Both Sides** option is specified in the print job.

This product supports smart duplexing. The smart duplexing feature increases printing performance by preventing one-page print jobs or single-sided pages of a duplexed print job from going through the duplexing unit even when the duplexing feature has been selected in the driver.

All paper types support the smart duplexing feature, except for paper types that cannot be printed on both sides (such as labels, transparencies, and envelopes) and the following paper types:

- Prepunched
- Preprinted
- Letterhead
- Cardstock

When the paper type is set to **Unspecified**, the smart duplexing feature is disabled.

To achieve the best print quality when printing on the second side of the page, the product needs to make adjustments to its print modes. When you select a paper type, you are, in effect, instructing the product to use a group of settings (such as fuser temperature and print speed) to print the paper with the best possible quality. This group of settings is known as print mode. A different print mode is used with each paper type. Print-mode adjustments for the second side of a duplexed page are automatic.

Flip Pages Up

Use the **Flip Pages Up** check box to specify the duplex-binding option. By default, the **Flip Pages Up** check box is not available. It is available only when **Print on Both Sides** is selected. The following table demonstrates the results of selecting this check box, depending on the paper orientation selected on the **Finishing** tab.

Table 3-2 Page orientation

Orientation (Finishing tab)	Flip Pages Up selected	Flip Pages Up not selected
Portrait	Short-edge binding	Long-edge binding
Landscape	Long-edge binding	Short-edge binding

When **Print on Both Sides** is selected, the document preview image changes to show a spiral binding along either the left edge or the top edge of the page. In addition, a folded-over corner appears in the lower-right portion of the preview image, indicating that printing occurs on the back side. An arrow on the folded-over corner points in the direction that the pages would be flipped if they were bound together.

Short-side binding is for print jobs with pages that read by flipping over like the pages of a calendar. Long-side binding is for print jobs with pages that read by turning like the pages of a book.

Booklet Layout

The **Booklet Layout** drop-down menu, visible when **Print on Both Sides** is selected, offers choices that are based on the current paper size. The default setting for the **Booklet Printing** drop-down menu is **Off**. The other settings have the following format, where **[paper size]** depends on the paper size that is set on the **Paper/Quality** tab:

- **Left Binding**
- **Right Binding**

When you select **Left Binding** or **Right Binding**, the document preview image changes to show the location of the binding. If the **Pages per Sheet** setting is on the default setting of 1, it automatically changes to **2 pages per sheet**. If you change the **Pages per Sheet** setting manually to 4, 6, 9, or 16 pages per sheet, the booklet setting is disabled.

Book and Booklet Printing

The HP LaserJet Enterprise 500 color MFP M575 or HP LaserJet Enterprise color flow MFP M575 supports book and booklet printing.

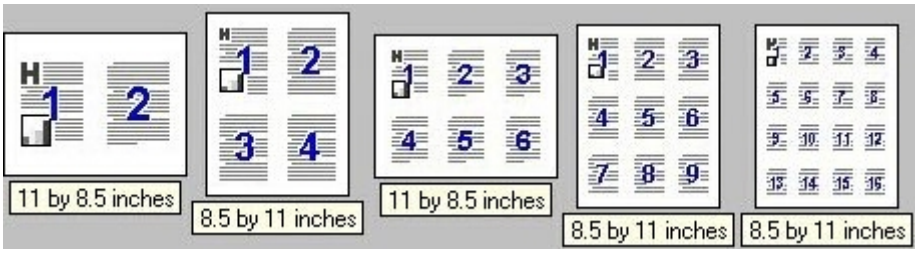
A book is a print job consisting of at least two pages. It can have a different paper type for the front cover, first page, other pages, last page, or back cover. Use the **Covers** and **Print pages on different paper** settings on the **Paper/Quality** tab to select different paper for the front cover, first page, other pages, and back cover.

A booklet is a print job that places two pages on each side of a sheet that can then be folded into a booklet that is half the size of the paper. Use the **Booklet Layout** drop-down menu on the **Finishing** tab to control booklet settings.

Pages per Sheet

Use the **Pages per Sheet** option to select the number of pages that you want to print on a single sheet of paper. If you choose to print more than one page per sheet, the pages appear smaller and are arranged on the sheet in the order that they would otherwise be printed. The **Pages per Sheet** drop-down menu provides six settings:

Figure 3-16 Pages per Sheet preview images



NOTE: This graphic is based on the setting Right, then Down for Page order. The ordering will changed based on the current setting for Page order.

- **1 page per sheet** (this is the default)
- **2 pages per sheet**
- **4 pages per sheet**

- **6 pages per sheet**
- **9 pages per sheet**
- **16 pages per sheet**

NOTE: When you select an option other than **2 pages per sheet** or **Print on both sides**, booklet printing is unavailable.

Related controls indented beneath **Pages per Sheet** are **Print Page Borders** and **Page Order**, which become active when **Pages per Sheet** is greater than 1.

Print Page Borders

Print Page Borders sets a line around each page image on a printed sheet to help visually define the borders of each logical page.

Page Order

The **Page Order** drop-down menu contains four selections:

- **Right, then Down**
- **Down, then Right**
- **Left, then Down**
- **Down, then Left**

The preview document image changes to reflect alterations in these settings.

Document preview image

The document preview image is a line-drawn image of a page that represents graphics and text. The document preview image is always oriented so that the contents of the page are right-side-up. The document preview image appears in the upper-right corner of the following **Printing Preferences** driver tabs:

- **Printing Shortcuts**
- **Paper/Quality**
- **Effects**
- **Finishing**
- **Color**

Switching between tabs does not change the location or appearance of the document preview image. When you move the mouse over the document preview image, the mouse cursor changes from an arrow to a gloved hand. You can toggle between portrait and landscape page orientation by clicking the image.

Orientation

Orientation refers to the layout of the image on the page, and does not affect the way that paper feeds into the product. You can specify the orientation of the print job. The three available orientations are portrait, landscape, and rotated. The default orientation is **Portrait**.

NOTE: Nearly all software programs establish the orientation for the printed page, so the page orientation in the driver is useful only for the few software programs that do not set an orientation.

The **Orientation** group box contains the following options:

- **Portrait**. The top edge of the document is the shorter edge of the paper.
- **Landscape**. The top edge of the document is the longer edge of the paper.
- **Rotate by 180 degrees**. This creates a landscape or portrait orientation in which the image is rotated 180°. This setting is useful for printing prepunched paper.

You can toggle orientation between portrait and landscape by clicking the document preview image. If you select the **Rotate by 180 degrees** check box, the document preview image icon does not visually change on the driver screen to reflect this setting.

Job Storage tab features

NOTE: The **Job Storage** tab is located on the **Printing Preferences** tab set.

Use the job-storage feature to store print jobs in the HP LaserJet Enterprise 500 color MFP M575 or HP LaserJet Enterprise color flow MFP M575 product memory or hard disk for printing at a later time.

The **Job Storage** tab appears among the driver tabs only if the job-storage feature is enabled on the **Device Settings** tab. To support job-storage features for complex jobs, or if you often print complex graphics, print postscript (.PS) documents, or use many downloaded fonts, HP recommends that you install additional memory, install a hard disk, or both. Added memory also gives you more flexibility in supporting job-storage features. A minimum total memory of 288 MB is required to use the **Proof and Hold** and **Personal Job** job-storage features. A hard disk is required to use the **Quick Copy** and **Stored Job** job-storage features.

To configure the drivers manually after installing a hard disk, follow these steps:

1. Depending on your operating system, click the **Start** button and then do one of the following to find the list of installed printers:
   - Click **Devices and Printers** or **Printers and Faxes**
   - Click **Control Panel** and then click **Printers**, or first click **Hardware and Sound**, and then click **Printers**
   - Click **Settings**, and then click **Printers** or **Printers and Faxes**
2. Right-click the product name.
3. Depending on your operating system, click **Properties** or **Printer Properties**.
4. Click the **Device Settings** tab.
5. Select **Installed** for the **Printer Hard Disk** under **Installable Options**, and then select **Installed** in the drop-down menu.
6. Click **OK** to make the printer hard disk and job-storage features available.

You can disable the job-storage feature while leaving the printer hard disk enabled. To disable the job-storage feature, follow these steps:

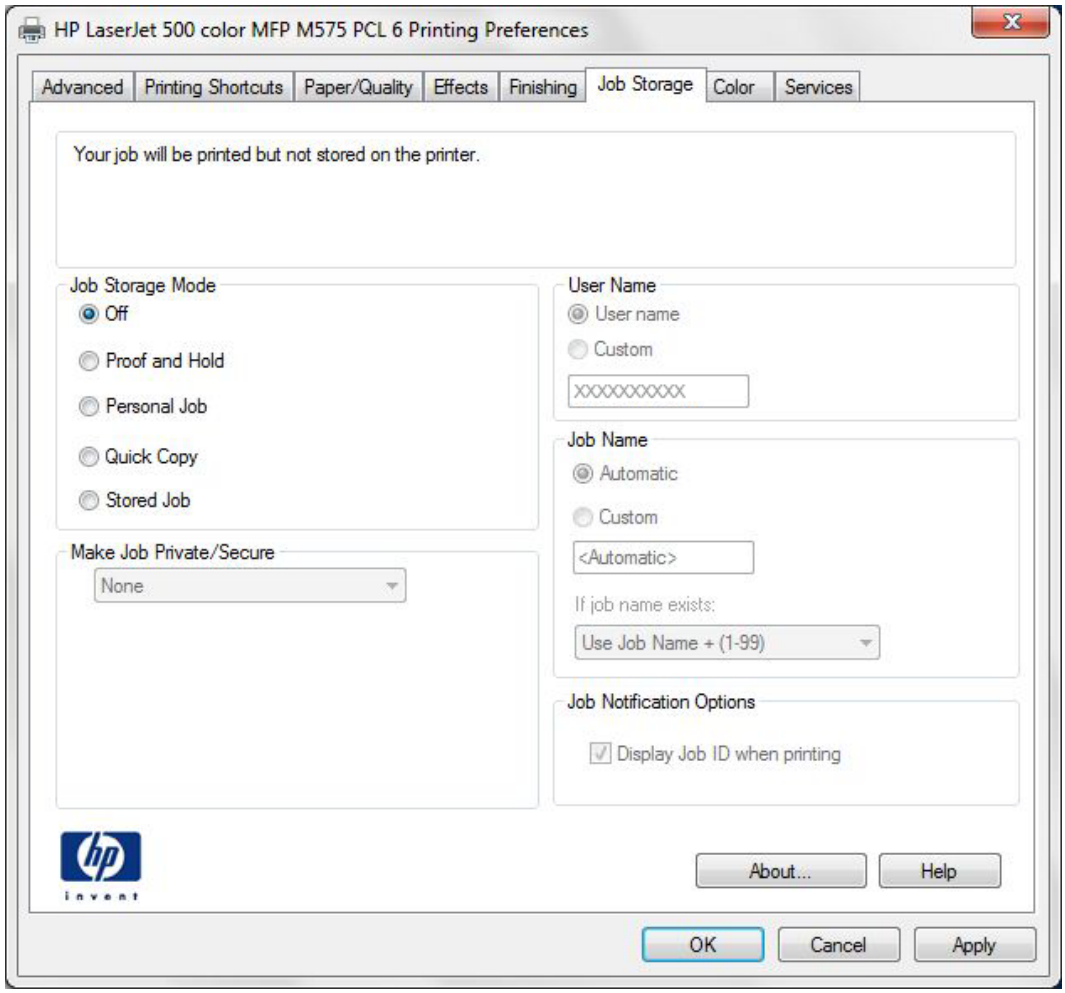
NOTE: The **Job Storage** tab is not displayed in Printer Preferences when Job storage is disabled.

1. Depending on your operating system, click the **Start** button and then do one of the following to find the list of installed printers:
   - Click **Devices and Printers** or **Printers and Faxes**
   - Click **Control Panel** and then click **Printers**, or first click **Hardware and Sound**, and then click **Printers**
   - Click **Settings**, and then click **Printers** or **Printers and Faxes**
2. Right-click the product name.

3. Click **Properties** or **Printer properties** (Windows® 7).
4. Click the **Device Settings** tab.
5. Select **Job Storage**.
6. Select the **Disabled** option.

The following figure shows the **Job Storage** tab.

Figure 3-17 Job Storage tab



The **Job Storage** tab contains the following controls:

NOTE: Information about using the job-storage feature when printing is also provided here.

- Status group box
- Job Storage Mode
- Make Job Private/Secure
- User Name
- Job Name

- Job Notification Options
- Use job-storage features when printing

Status group box

The unlabeled group box on the **Job Storage** tab contains a status message about the destination of a print job. The status information changes depending on the selections that are made on the **Job Storage** tab.

Job Storage Mode

Use the **Job Storage Mode** options on the HP LaserJet Enterprise 500 color MFP M575 and HP LaserJet Enterprise color flow MFP M575 product to store documents at the product and then control their printing at the product control panel.

Both the HP LaserJet Enterprise 500 color MFP M575 and HP LaserJet Enterprise color flow MFP M575 products offer the following **Job Storage Mode** options:

- **Off**
- **Proof and Hold**
- **Personal Job**
- **Quick Copy**
- **Stored Job**

These options and the settings that control them are described below.

Off

When selected, this option turns the job-storage feature off (it is disabled), which means that the print job will not be stored in the product.

Proof and Hold

To use the **Proof and Hold** option, the job-storage feature must be enabled.

When selected, this option stores the print job in memory and prints only the first copy of the job, allowing you to check the first copy. If the document prints correctly, set the number of copies to print at the control panel and then print the remaining copies of the print job. You can set the number of proof-and-hold print jobs that can be stored in the product at the control panel.

NOTE: When using the **Proof and Hold** option, only one copy of the print job is sent to the printer even if multiple copies are specified in the software application you print from. If multiple copies are needed while using the **Proof and Hold** option, they must be specified at the control panel.

After it is released for printing, the proof-and-hold job is immediately deleted from the product. If more copies are needed, you must reprint the job from the software program. If you send a second proof-and-hold job to the product with the same user name and job name as an existing proof-and-hold job

(and you have not released the original job for printing), the job overwrites the existing job. Proof-and-hold jobs are deleted if you turn off the product.

NOTE: The product configuration can be set to hold a maximum of 50 quick-copy or proof-and-hold jobs. The number is set at the product control panel in the **CONFIGURATION** menu, and the default is 32. When this preset limit is reached, the new document overwrites the oldest held document. Also, a document that has the same user name and job name as one that is already stored on the printer hard disk will overwrite the existing document.

Personal Job

To use the **Personal Job** option, the job-storage feature must be enabled.

When you select **Personal Job**, the print job is sent to the product, but is not printed until you request the job at the product control panel. Selecting **Personal Job** activates the **Make Job Private/ Secure** group box.

If **PIN to print** is selected in the **Make Job Private/Secure** dropdown box, the print job can be printed only after you type the correct PIN at the control panel. After the job is printed, it is immediately deleted from the product. This feature is useful when you are printing sensitive or confidential documents that you do not want to leave in an output bin after printing.

The PIN number for Personal Jobs must be exactly four digits (0 though 9). If non-numeric characters are entered for the PIN number, they disappear from the input field. If more than four characters are entered for the PIN number, the characters past the fourth are truncated. The default value for the PIN is 0000 for **Personal Job**.

If **Encrypt Job (with password)** is selected in the **Make Job Private/Secure** dropdown box, the print job is sent and stored on the product encrypted. The password must be four to 32 digits (0 though 9). If non-numeric characters are entered for the password, the **Confirm** field will remain grayed out. If more than 32 characters are entered for the password, the **Confirm** field is grayed out.

After the personal job is released for printing, it is immediately deleted from the product. If more copies are needed, you must reprint the job from the software program. If you send a second personal job that has the same user name and job name as an existing personal job (and you have not released the original job for printing), the job overwrites the existing job, regardless of the PIN. Personal jobs are deleted if you turn off the product.

Quick Copy

To use the **Quick Copy** option, a printer hard disk must be installed, and the job-storage feature must be enabled.

When you select **Quick Copy**, the entire print job prints and a copy of the print job is stored on the product, after which you can print additional copies of the print job at the product control panel. The number of quick-copy print jobs that can be stored in the product is set by using the product control panel.

NOTE: The product configuration can be set to hold a maximum of 50 quick-copy or proof-and-hold jobs. The number is set at the product control panel in the **CONFIGURATION** menu, and the default is 32. When this preset limit is reached, the new document overwrites the oldest held document. Also, a document that has the same user name and job name as one that is already stored on the printer hard disk will overwrite the existing document. **Quick Copy** jobs are deleted if you turn off the product.

Stored Job

To use the **Stored Job** option, a hard disk must be installed on the product and the job-storage feature must be enabled.

Use the **Stored Job** option to send a print job directly to the printer hard disk without printing it. The print job is stored in the product as if it is an electronic file cabinet. After the print job is stored on the printer hard disk, you can print the job at the product control panel.

The job remains stored in the product until it is deleted or overwritten by a document that has the same user name and job name. Stored jobs remain on the printer hard disk when the product is turned off. Use this feature for forms and other common or shared documents.

A stored job can be managed in two ways: as either a public or a private job .

To make a stored job public, set the **Make Job Private/Secure** dropdown box to **None**.

To make a stored job private, set the **Make Job Private/Secure** dropdown box to either **PIN to print** or **Encrypt Job (with password)**.

If **PIN to print** is selected in the **Make Job Private/Secure** dropdown box, the print job can be printed only after you type the correct PIN at the control panel. After the job is printed, the job is immediately deleted from the product. This feature is useful when you are printing sensitive or confidential documents that you do not want to leave in an output bin after printing.

The PIN number must be exactly four digits (0 though 9). If non-numeric characters are entered for the PIN number, they disappear from the input field. If more than four characters are entered for the PIN number, the characters past the fourth are truncated.

Select **Encrypt Job (with password)** to set the private mode *with* encryption. In this mode, the print job is sent and stored on the product encrypted.

The password must be four to 32 digits (0 though 9). If non-numeric characters are entered for the password, the **Confirm** field will remain grayed out. If more than 32 characters are entered for the password, the **Confirm** field is grayed out.

After the job is printed, the job remains in the product and can be printed again at the product control panel.

The group box labeled **Make Job Private/Secure** is usually inactive. The **PIN to print** and **Encrypt Job (with password)** options only become available when you select **Stored Job** or **Personal Job**. If you select **PIN to print** or **Encrypt Job (with password)**, you must type a PIN or password to make the stored job private or else select **None**.

NOTE: A *private* stored job is not the same as a *personal* job. *Personal* jobs are deleted from the product after they are printed. *Private stored* jobs are retained in the product after printing, but require that a PIN be typed each time they are printed. A printer hard disk is required for *Private stored* jobs.

Make Job Private/Secure

The **Make Job Private/Secure** drop-down menu is available when **Personal Job** or **Stored Job** is selected.

PIN to print

Select **PIN to print** from the drop-down menu, and then type a 4-digit PIN number in the box provided. The personal or stored job is sent to the product, where you must enter the 4-digit PIN on the control panel to retrieve the job. For more information on the PIN to print option, see Personal Job on page 105

Encrypt Job (with password)

The option Encrypt Job with password provides end-to-end secure print job transmission with mutual authentication on the supported devices. The print job is sent and stored encrypted, and can only be printed after entering the password on the device.

Set a password for encrypting a job

1. Enter a sequence of numeric characters, from 4 to 32 characters in length, in the **Password** field. Each numeric character will accept numbers from 0 to 9.
2. Confirm the password you entered by retyping it in the **Confirm** field.

NOTE: The key icon next to the **Confirm** field will change to green when you correctly retype your password in the **Confirm** field.

NOTE: The **Confirm** field will be grayed out if you enter an invalid password (less than 4 or greater than 32 characters, or characters other than 0 through 9) in the **Password** field.

3. Select **Save as default password** to save your password and then click the **Apply** button.

NOTE: If **Save as default password** is not selected, the password is not saved even if you print twice from the same application while the application is still open.

If **Save as default password** is selected with a password and used to print a job, and then **Save as default password** is deselected at a later time, the password will still be used as the **default** password.

User Name

Use the **User Name** settings to help identify the job at the product control panel. The following are the **User Name** settings:

- **User Name.** This option associates your Windows® user name with the stored print job. The Windows® user name automatically appears in the text field below the **User Name** options.
- **Custom.** Use this option to type a custom name for the stored print job. When you click **Custom**, the text field below the option becomes available. The **User Name** field can contain no more than 16 characters, and is limited to A through Z and 0 through 9 because the name appears on the product control-panel display. If you try to type a lowercase character, it automatically shifts to uppercase. If you try to type a character in an ASCII code of fewer than 32 or more than 126 characters, the character is removed from the edit field, along with all of the characters that follow it. If you try to type more than 16 characters, any character beyond 16 is truncated.

Job Name

Use the **Job Name** options to specify a name to identify the job at the product control panel. The following are the **Job Name** settings:

- **<Automatic>**. This option, which is the default selection, automatically generates the job name that is associated with the stored print job. The file name of the print job is used if it is available to the print driver. Otherwise, the software program name or a time stamp is used for the job name.
- **Custom**. Use this to type a custom job name for the stored print job. When you click **Custom**, the text field below the option becomes available. In those languages for which **<Automatic>** cannot be translated without the use of invalid characters, the driver uses a string of three dashes. The acceptable characters for job name and user name vary for each operating system. The string must be of a length and type that can appear on the product control-panel display.

The **Job Name** field can contain no more than 16 characters, and is limited to A through Z (uppercase or lowercase) and 0 through 9 so that the name can appear on the product control-panel display. If you try to type a character in an ASCII code of fewer than 32 or more than 126 characters, the character is removed from the edit field, along with all of the characters that follow it. If you try to type more than 16 characters, any character beyond 16 is truncated.

When the dialog box is closed, or as soon as the focus is removed from the control (that is, when the Tab key is pressed or another control is selected), an empty string is replaced with **<Automatic>**. The acceptable characters for job name and user name vary for each operating system. The string must be of a length and type that can appear on the product control-panel display.

If Job Name Exists. When you store a print job, you can create a print-job name or the product software can assign one automatically. If a print job with the same name already exists, the new print job will overwrite the existing print job. To eliminate the chances of a new print job overwriting an old print job because both have the same name, select **Use Job Name + (1-99)**. After you create the print job name, or when one is created automatically, the product software assigns a number between 1 and 99 to the end of the print job name to make the name unique. Select **Replace Existing File** if you always want the product software to overwrite an existing print job with the same print job name.

Job Notification Options

Clicking a **Job Storage Mode** selection causes the **User Name** and **Job Name** options to become available. The **Display Job ID when printing** check box is selected by default. The **Display Job ID when printing** option causes a pop-up dialog box to appear when the job-storage print job is printed. The dialog box shows the user name and job name that are associated with the stored print job, as well as the printer name, port, and location.

Use job-storage features when printing

To use job-storage features when printing, follow these steps:

1. Click **File**, and then click **Print** from the software program. The **Print** dialog box appears.

NOTE: Clicking the print icon in the software program toolbar prints the job without using job-storage features.

2. Click **Properties** or **Preferences**. The **Properties** or **Preferences** dialog box appears.

NOTE: The label for the button that opens the **Printer Preferences** dialog box varies between software programs.

For example, in Adobe Acrobat on Windows® 7 the button is labeled **Properties**. In Internet Explorer 8 the button is labeled **Preferences**.

3. Click the **Job Storage** tab.
4. Select the job-storage options by clicking the appropriate option button, and then complete any required fields.
5. Click **OK**.

Release a job-storage print job

After you send a print job that uses the job-storage feature, you can release the job to print from the product control panel.

1. From the Home screen on the product control panel, scroll to and touch the **Retrieve from Device Memory** button.
2. Select the name of the folder where the job is stored, and then touch the **+** button to display the list of jobs.
3. Select the name of the job. If the job is private or encrypted, enter the PIN or password. Touch the field for the PIN or password and a keyboard display. Enter the PIN or password and click **OK**. Once the correct password is entered, the job description is listed.
4. Adjust the number of copies using the keyboard, and then touch the Start button to print the job.

Delete a job-storage print job

Sometimes it is necessary to delete a print job from the printer hard disk. You can do this from the product control panel.

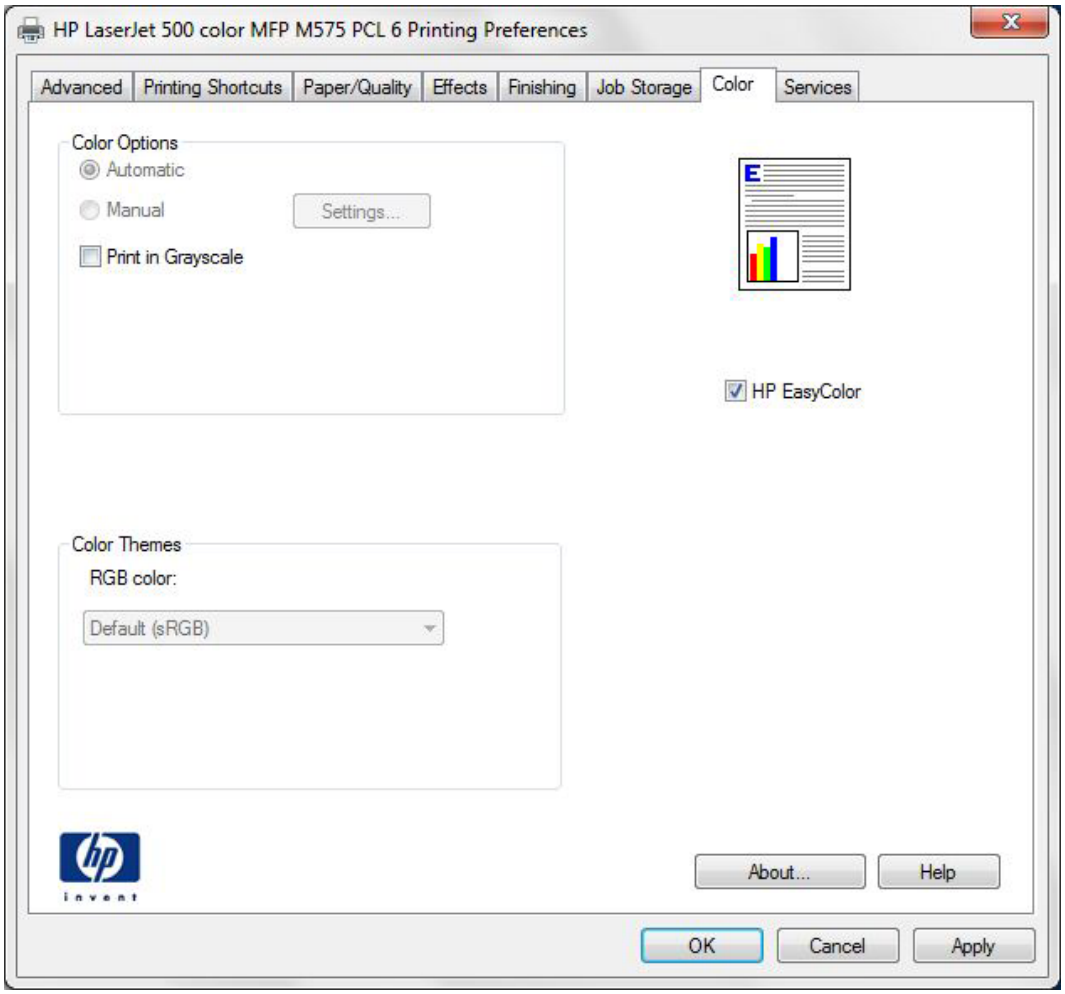
1. From the Home screen on the product control panel, scroll to and touch the **Retrieve from Device Memory** button.
2. Select the name of the folder where the job is stored, and then touch the **+** sign.
3. Select the name of the job to delete. If the job is private or encrypted, enter the PIN or the password. Once the correct password is entered, the job description is listed.
4. Touch the **Delete** button on the lower right to delete the job.

Color tab features

NOTE: The **Color** tab is located on the **Printing Preferences** tab set.

Use the **Color** tab to specify predefined color-option settings or to fine-tune the color treatments and halftoning. Color output can also be converted to grayscale. The **Color** tab is shown in the following figure.

Figure 3-18 Color tab



The **Color** tab contains the following sets of controls:

- Color Options
- Color Themes
- Document preview image
- HP EasyColor

Color Options

Use the **Color Options** group box to adjust the independent color controls. The settings affect the print job color rendering and print quality. The **Color Options** group box contains the following controls:

- **Automatic** option (default)
- **Manual** option
- **Settings** button (Click this button to open the **Color Settings** dialog box.)
- **Print in Grayscale** check box

Automatic

Use the **Automatic** option for color settings that automatically fine-tune the printed output. The **Automatic** color settings provide high-quality output while maintaining product performance for most color printing needs.

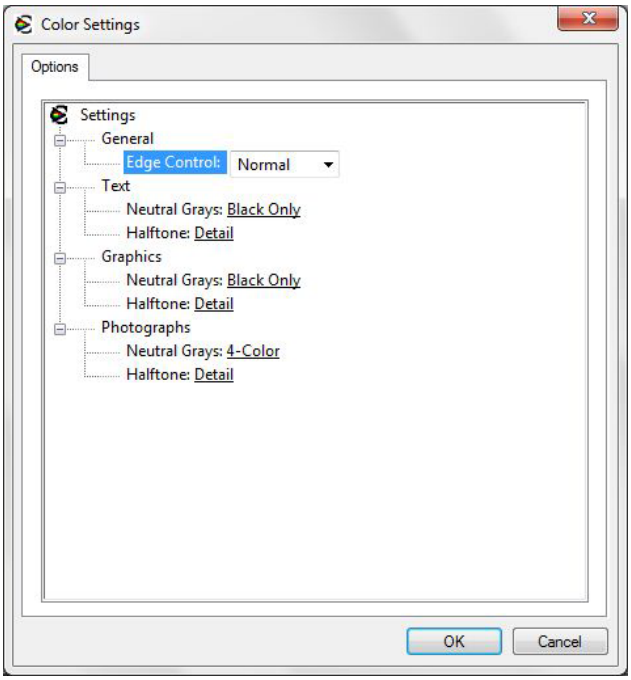
Manual

NOTE: To change color settings, first de-select the **HP EasyColor** option.

To change the color settings, select the **Manual** option, and then click **Settings**. The **Color Settings** dialog box appears.

To change the settings, make your selections by using the drop-down menus in the **Color Settings** dialog box, and then click **OK**. The following figure shows the **Color Settings** dialog box.

Figure 3-19 Color Settings dialog box



The **Color Settings** dialog box contains the following controls:

- **General**
  - **Edge Control**
- **Text**
  - **Neutral Grays**
  - **Halftone**
- **Graphics**
  - **Neutral Grays**
  - **Halftone**
- **Photographs**
  - **Neutral Grays**
  - **Halftone**

Settings

General

Use the **General** setting group to control **Edge Control** settings for all color printing.

Edge Control determines how edges are rendered. **Edge Control** consists of three components:

- Adaptive Halftoning, which increases edge sharpness
- Trapping, which reduces the effect of color plane misregistration by slightly overlapping the edges of adjacent objects
- Color Resolution Enhancement Technology (C-REt), which increases the apparent resolution by placing each dot for the smoothest edges

The **Edge Control** option offers four settings:

- **Off.** The **Off** setting turns Trapping, Adaptive Halftoning, and C-REt to **Off**.
- **Light.** The **Light** setting provides minimal trapping. Adaptive Halftoning is set to **On** and C-REt is set to **On**.
- **Normal.** The **Normal** setting provides the default trapping settings. Adaptive Halftoning is set to **On**, and C-REt is set to **On**.
- **Maximum.** The **Maximum** setting provides the most trapping. Adaptive Halftoning is set to **On**, and C-REt is set to **On**.

Neutral Grays

The **Neutral Grays** drop-down menu controls the selection of a device-dependent color table that is embedded in the product firmware. You can adjust the **Neutral Grays** setting independently for text, graphics, or photographs. The following options are available:

- **Black Only**. This option generates neutral colors (grays and black) by using only black toner. This option guarantees that neutral colors do not have a color cast. **Black Only** is the default setting for the **Text** and **Graphics** components.
- **4-Color**. This option generates neutral colors by combining all four colors of toner, which produces smoother gradients and transitions to non-neutral colors. It also produces the darkest possible black. **4-Color** is the default setting for **Photographs**.

Halftone

The **Halftone** setting controls the selection of a product-dependent halftone algorithm that is embedded in the product firmware. Halftoning is a method by which the product mixes the four primary colors (cyan, magenta, yellow, and black) in varying proportions to create the appearance of many colors. The **Halftone** options affect the resolution and clarity of the color on the printed page. You can select **Halftone** settings for text, graphics, and photographs independently.

The following Halftone options are available:

- **Detail**. This is the default option; it is useful for text and graphics that require sharp distinctions among lines or colors, or for images that contain a pattern or a high level of detail. Select this option for sharp edges and detail.
- **Smooth**. This option provides better results for large, solid-filled print areas. It also enhances photographs by smoothing out fine color gradations. Select this option for uniform and smooth area fills.

Print in Grayscale

Click the **Print in Grayscale** option to print a color document in black and white. Use this option to print color documents for photocopying or faxing. The Print in Grayscale option does not control how data is sent to the printer, only how the image is printed.

Color Themes

NOTE: To change Color Themes, first de-select the **HP EasyColor** option.

The **Color Themes** group box contains the following **RGB color** options, which determines how colors are rendered:

- Default (sRGB)
- Photo (sRGB)
- Photo (Adobe RGB 1998)
- Vivid (sRGB)

- None
- Custom Profile

Default (sRGB)

Select **Default (sRGB)** for most printing needs. This setting instructs the product to interpret RGB color as sRGB, which is the accepted standard of Microsoft and the World Wide Web Consortium (W3C). Colors are matched to optimize the RGB colors on the screen and to provide vivid images and graphics.

Photo (sRGB)

Select **Photo (sRGB)** to enhance documents in which the content is mainly bitmap images, such as .GIF or .eps files. This setting instructs the product to use the best color matching for rendering sRGB bitmap images. This setting affects only raster data; it has no effect on text or vector-based graphics. Using glossy paper in combination with this setting provides the maximum enhancement.

Photo (Adobe RGB 1998)

Select **Photo (AdobeRGB 1998)** for documents that use the AdobeRGB color space rather than sRGB. For example, some digital cameras capture images in Adobe RBG, and documents that are produced with Adobe PhotoShop use the Adobe RGB color space. When printing from a professional software program that uses Adobe RGB, it is important that you turn off the color management in that software program and allow the print driver to manage the color space.

Vivid (sRGB)

The **Vivid (sRGB)** feature instructs the printer to increase the color saturation in the midtones. Less colorful objects are rendered more colorfully. This value is recommended for printing business graphics.

None

Select **None** to instruct the printer to print RGB data in raw device mode. To render documents properly when this option is selected, you must manage color in the program in which you are working or in the operating system.

⚠ **CAUTION:** Use this option only if you are familiar with the procedures for managing color in the software program or in the operating system.

Custom Profile

Select **Custom Profile** when you want to duplicate the printed output from other products or for using special effects. This setting instructs the product to use a custom profile to emulate color output from another product by modifying how color is rendered.

The default custom profile is an emulation of the color table used on the HP Color LaserJet 4650 product. The product holds only one custom profile at a time, so when you download and install another color table, it erases the default color table and installs the new one.

You can download custom profiles from the following Web site:

www.hp.com

www.hp.com/go/lj500colorMFPM575_firmware

www.hp.com/go/ljcolorflowMFPM575_firmware

Document preview image

The document preview image is a line-drawn image of a page that represents graphics and text. The document preview image is always oriented so that the contents of the page are right-side-up. The document preview image appears in the upper-right corner of the following **Printing Preferences** driver tabs:

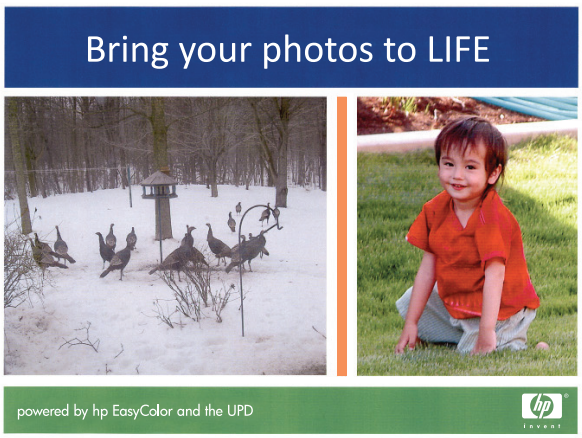
- **Printing Shortcuts**
- **Paper/Quality**
- **Effects**
- **Finishing**
- **Color**

Switching between tabs does not change the location or appearance of the document preview image. When you move the mouse over the document preview image, the mouse cursor changes from an arrow to a gloved hand. You can toggle between portrait and landscape page orientation by clicking the image.

HP EasyColor

If you are using the HP PCL 6 print driver for Windows®, the **HP EasyColor** technology automatically improves mixed-content documents that are printed from Microsoft Office programs. This technology scans documents and automatically adjusts photographic images in .JPEG or .PNG format. **HP EasyColor** technology enhances the entire image at one time, rather than dividing it into several pieces, which results in improved color consistency, sharper details, and faster printing.

In the following example, the images on the left were created without using the **HP EasyColor** option. The images on the right show the enhancements that result from using the **HP EasyColor** option.



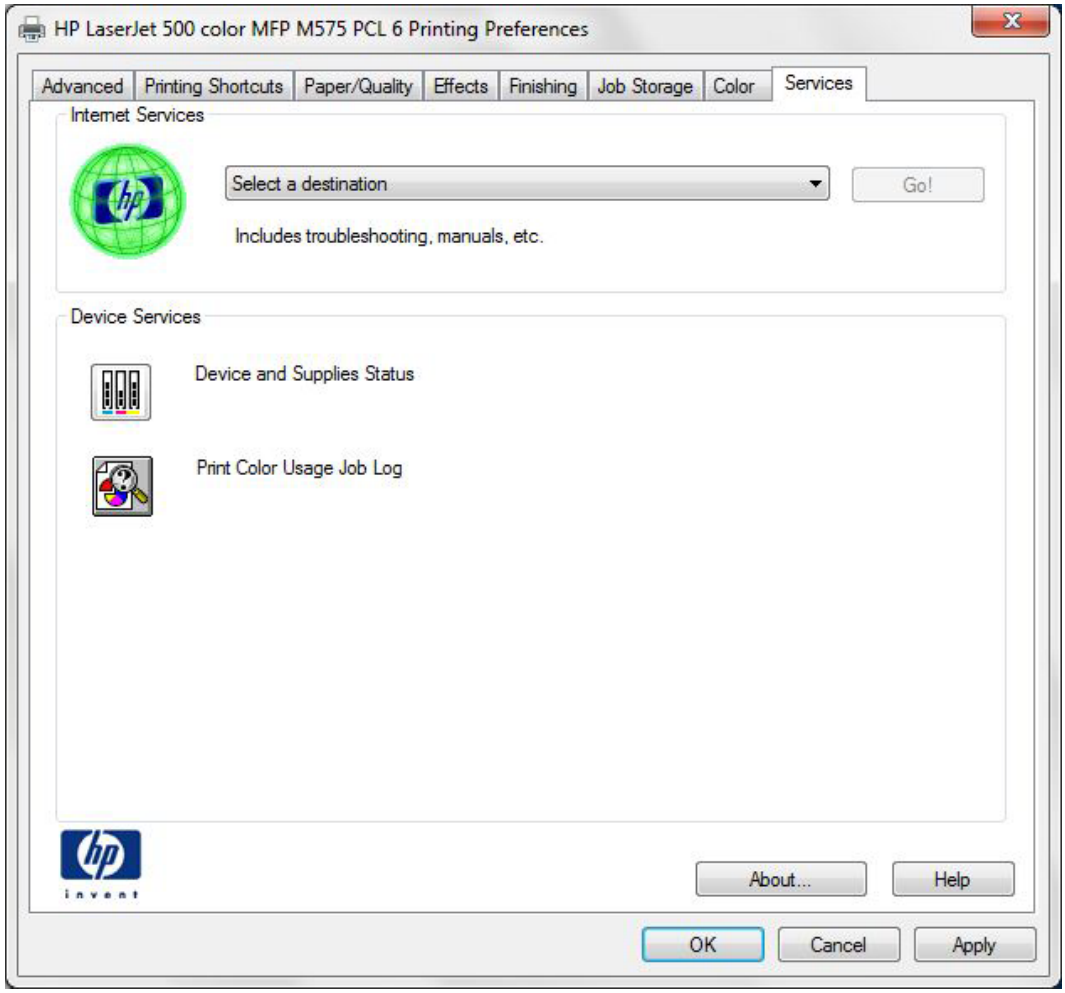
The **HP EasyColor** option is enabled by default in the HP PCL 6 print driver, so you do not need to make manual color adjustments. To disable the option so you can manually adjust the color settings, open the **Color** tab, and click the **HP EasyColor** check box to clear it.

Services tab features

NOTE: The **Services** tab is located on the **Printing Preferences** tab set.

The **Services** tab is shown in the following figure.

Figure 3-20 Services tab



The **Services** tab contains the following group boxes:

- Internet Services
- Device services

Internet Services

The **Internet Services** group box contains the **Select a destination** drop-down menu with the following selections:

- **Online diagnostic tools**. This is the HP Instant Support Web site, where you can find interactive tools and contacts for troubleshooting.
- **Support and troubleshooting**. This is the main Web site for HP LaserJet Enterprise 500 color MFP M575 and HP LaserJet Enterprise color flow MFP M575 product support.
- **Product manuals**. View or download HP LaserJet Enterprise 500 color MFP M575 and HP LaserJet Enterprise color flow MFP M575 product manuals.
- **Check for driver updates**. Automatically check your print drivers to see whether the correct and most up-to-date print drivers are installed.
- **Color printing access/usage**. Find information about enabling and disabling color printing and tracking color print-job usage.

If you have Internet access, select any of these items and click **Go!** to open the corresponding HP Web page.

Device services

Click the **Device and Supplies Status** icon to open the **Device Status** screen of the HP EWS, which shows supply levels and control panel status.

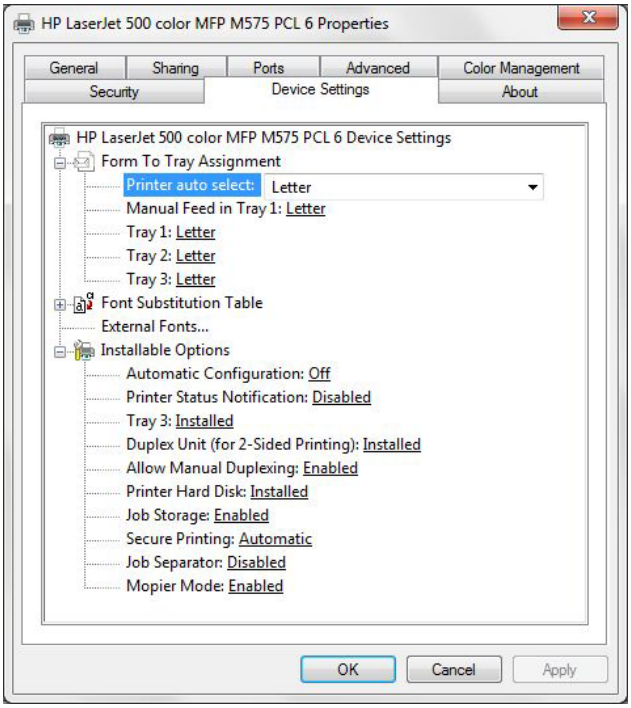
Click the **Print Color Usage Job Log** icon to print a color usage job report.

Device Settings tab features

NOTE: The **Device Settings** tab is located on the **Properties** tab set.

Available options depend on the feature. The following figure shows the **Device Settings** tab.

Figure 3-21 Device Settings tab



The **Device Settings** tab contains controls for paper-handling devices and controls for managing the product.

The **Device Settings** tab contains the following controls:

- Form to Tray Assignment
- Font Substitution Table
- Installable Options

Form to Tray Assignment

A network administrator can use **Form to Tray Assignment** to specify the paper size in each input tray.

Both the HP LaserJet Enterprise 500 color MFP M575 and the HP LaserJet Enterprise color flow MFP M575 products support more than one source of paper. You can assign a form (which defines the paper size and margins) to each paper source. When a form is matched to a source, you can select the form when you print. The product prints from the tray to which that form is assigned.

Network administrators can use the **Form to Tray Assignment** setting to specify, in the driver, the paper size that is loaded into each available input tray. The use of forms constrains the choices that are available in the paper-size list on the **Paper/Quality** tab in the **Printing Preferences** driver tabs.

This constraint prevents (or reduces the likelihood of) tying up the product with paper-mount messages that occur when users request sizes or types that are not available.

The trays listed in the **Form to Tray Assignment** setting include standard trays and optional accessory trays. Generally, items that are installed separately have a separate **Installable Options** setting.

The input trays listed here are also listed as paper sources on the **Paper/Quality** tab.

Configuring the trays

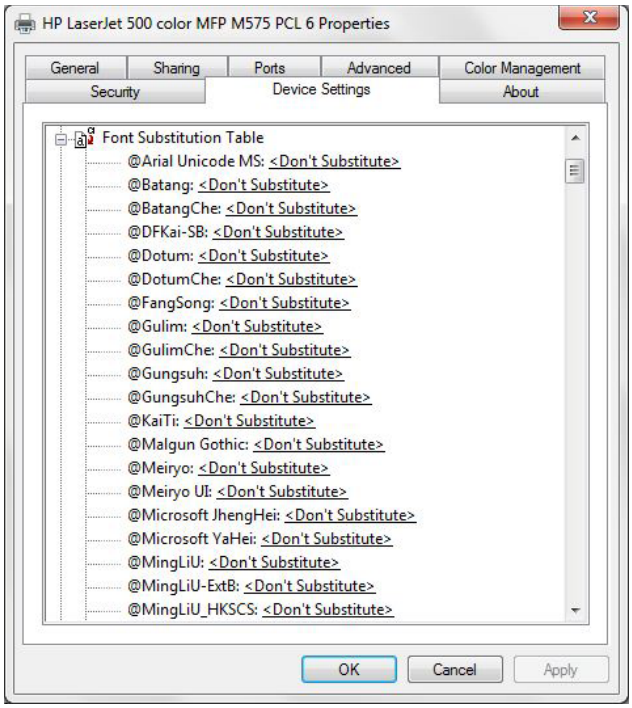
1. Select the appropriate tray in the **Form to Tray Assignment** list.
2. Use the drop-down menu to select the paper size (or form) that is loaded in that tray.
3. Repeat steps 1 and 2 for the remaining trays.
4. Click **OK** to enable your settings, or, if necessary, click **Cancel** to reconfigure all the trays, and remove the size and type constraints that have been imposed on the **Paper/Quality** tab.

Font Substitution Table

Use the plus (+) symbol next to the**Font Substitution Table** settings to change the TrueType to printer font mapping and to install and remove external fonts for the product through the **External Fonts** option. External fonts can be soft fonts or DIMM fonts.

Click the plus (+) symbol next to the **Font Substitution Table** option to open a list of fonts, as shown in the following figure.

Figure 3-22 Font Substitution Table

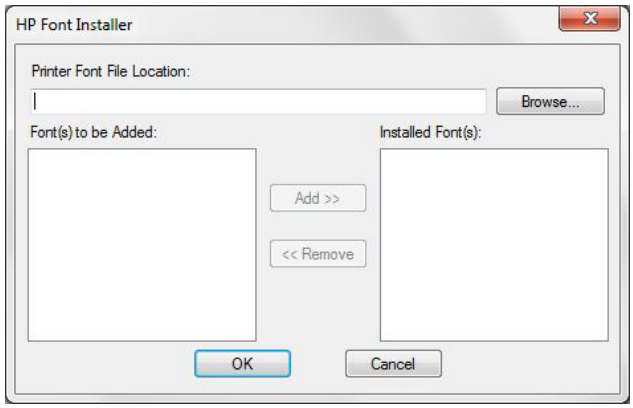


External Fonts

Use the **External Fonts** option to install and remove external fonts for the product. External fonts can be soft fonts or DIMM fonts.

Click the **External Fonts** option to make the **Properties** button available. Click **Properties** to open the **HP Font Installer** dialog box, which is shown in the following figure.

Figure 3-23 HP Font Installer dialog box



Installing external fonts

Follow these steps to install external fonts.

1. Depending on your operating system, click the **Start** button and then do one of the following to find the list of installed printers:
   - Click **Devices and Printers** or **Printers and Faxes**
   - Click **Control Panel** and then click **Printers**, or first click **Hardware and Sound**, and then click **Printers**
   - Click **Settings**, and then click **Printers** or **Printers and Faxes**
2. Right-click the name of the product.
3. In Windows® Vista®, Server 2003 and XP click **Properties**, in Windows® 7 and Server 2008 click **Printer Properties**.
4. Click the **Device Settings** tab.
5. Click the **External Fonts** option. The **Properties** button appears.
6. Click **Properties**. The **HP Font Installer** dialog box appears.
7. Type the name and path of the font metric file in the **Printer Font File Location** text box, or click **Browse** to locate the file on the computer. The font file names appear in the **Font(s) to be Added** window.
8. Select the fonts in the right column that you want to add, and then click **Add**. The fonts are installed and the file names appear in the **Installed Font(s)** window.
9. Click **OK** to close the **HP Font Installer** dialog box.

Removing external fonts

1. Depending on your operating system, click the **Start** button and then do one of the following to find the list of installed printers:
   - Click **Devices and Printers** or **Printers and Faxes**
   - Click **Control Panel** and then click **Printers**, or first click **Hardware and Sound**, and then click **Printers**
   - Click **Settings**, and then click **Printers** or **Printers and Faxes**
2. Right-click the name of the product.
3. Depending on your operating system, click **Properties** or **Printer Properties**.
4. Click the **Device Settings** tab.
5. Click the **External Fonts** option. The **Properties** button appears.
6. Click **Properties**. The **HP Font Installer** dialog box appears. The external fonts that are installed appear in the **Installed Fonts** window.
7. Select the fonts that you want to remove in the left column, and then click **Remove**. The fonts are removed.
8. Click **OK** to close the **HP Font Installer** dialog box.

Installable Options

Items under **Installable Options** are set based on the current printer configuration when the driver is installed.

The HP LaserJet Enterprise 500 color MFP M575 and HP LaserJet Enterprise color flow MFP M575 products have printing options that you can install and configure. The following controls are available:

- Automatic Configuration
- Printer Status Notification
- Tray 3
- Duplex Unit (for 2-Sided Printing)
- Allow Manual Duplexing
- Printer Hard Disk
- Job Storage
- Secure Printing
- Job Separator
- Mopier Mode

Automatic Configuration

Use the **Device Settings** tab to tell the driver about the hardware configuration of the product. If bidirectional communication is enabled in a supported environment, update this tab by selecting the **Update Now** setting in the **Automatic Configuration** setting. The default setting is **Off**. After an automatic configuration, the setting returns to **Off** after the changes are made.

If your environment does not support bidirectional communication, the **Update Now** setting is unavailable, so you must manually configure the options on this tab.

If you have more than one driver installed for the product (for example, the default HP PCL 6 Print Driver and the HP PCL 5 Universal Print Driver), the Update Now feature works automatically only on the driver on which it is activated. The other driver will not be updated, and might show the default setting for the specific product model.

Printer Status Notification

When enabled, this option displays a small status-notification window in the lower-right corner of the screen. This window is visible while printing a document or while viewing the print driver settings. It provides information about the status of the document being printed as well as information about the printer, including the current status of the printer supplies.

NOTE: Printer Status Notification is automatically disabled in enterprise networks with more than 100 users.

Tray 3

This control specifies whether you have Tray 3, an additional 500-sheet tray, installed on the product.

Duplex Unit (for 2-Sided Printing)

Set the **Duplex Unit (for 2-Sided Printing)** to **Installed** if your product has a duplexer installed. Duplexing allows printing on both sides of any supported size and most types of paper (except transparencies, envelopes, and labels).

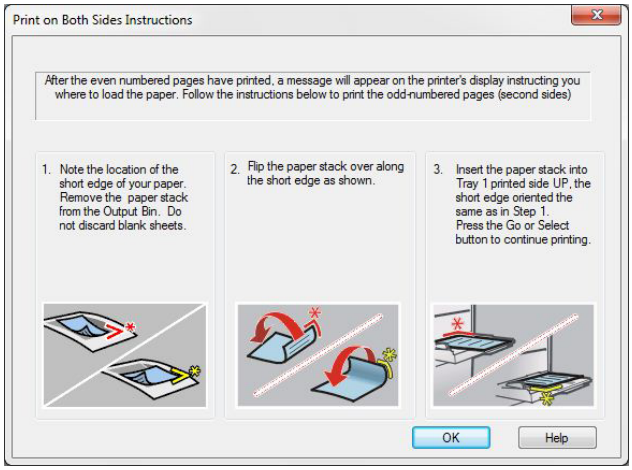
NOTE: Both the HP LaserJet Enterprise 500 color MFP M575 and the HP LaserJet Enterprise color flow MFP M575 products support smart duplexing. The product uses the smart duplexing feature to detect information on both sides of the print job pages and only runs the pages through the duplexing unit if printable information appears on the second side of the page.

Allow Manual Duplexing

Select **Allow Manual Duplexing** to print on both sides of any supported size and most types of paper (except transparencies, envelopes, and labels). To use this feature, you must reinsert the paper stack into the input tray to print the second side. The product pauses while you make this adjustment.

This setting is enabled by default.

Figure 3-24 Manual Duplexing



Printer Hard Disk

When this option is installed, the **Job Storage** option and the **Mopier Mode** are enabled in the print driver. Use the **Job Storage** option to store print jobs and then print them later from the control panel. The multiple-original print (mopy) function is an HP-designed feature that produces multiple, collated copies from a single print job.

Job Storage

When **Job Storage** is enabled, the product can store print jobs so that you can gain access to those print jobs later at the control panel.

Secure Printing

The new HP UPD option **Encrypt Job (with password)** is available for use with this printer and provides end-to-end secure print job transmission with mutual authentication on the supported devices. The print job is sent and stored encrypted, and can only be printed after entering the password on the device.

Setting this to disabled results in the setting **Encrypt Job** not to be listed under **Make Job Private/ Secure** on the **Job Storage** tab.

The default is **Automatic**, enabling the setting to be selected from the **Job Storage** tab.

Job Separator

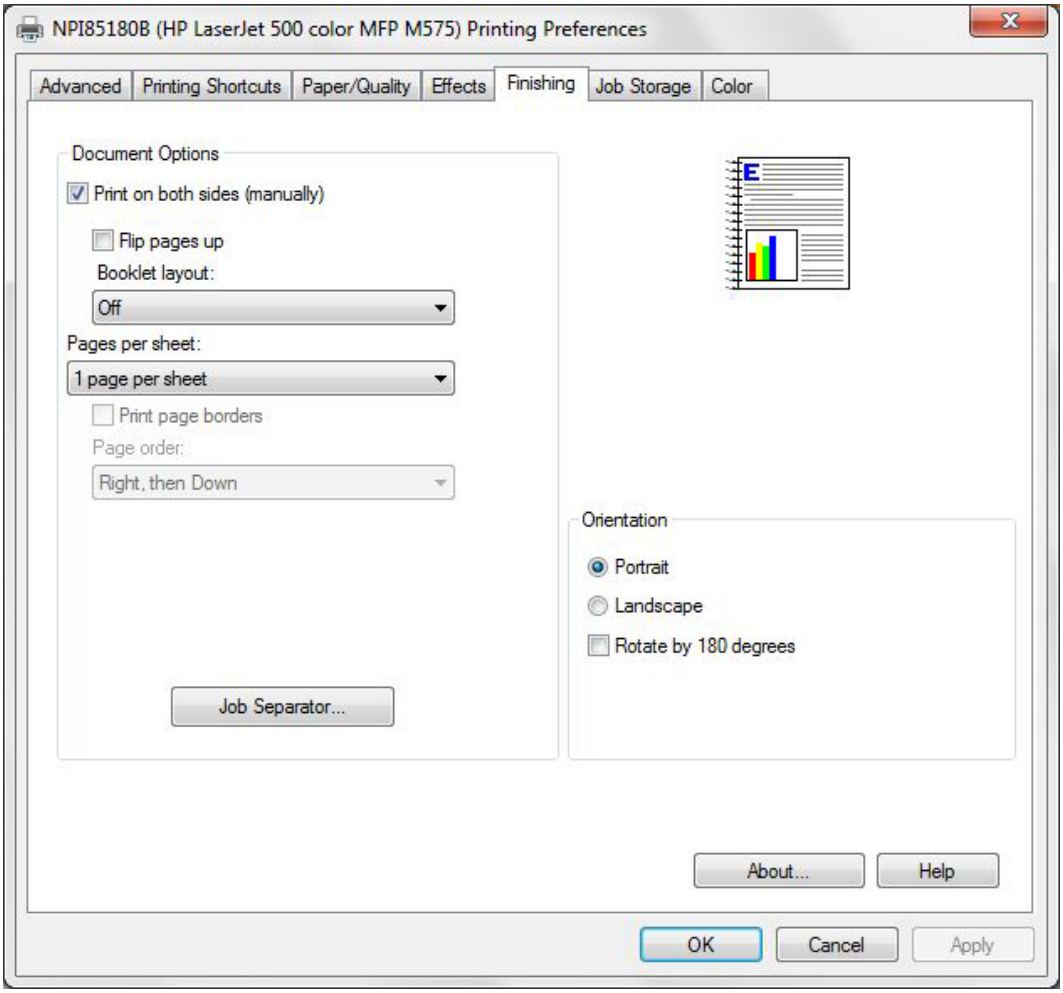
Use this control to specify whether a print job identifier page should be printed between print jobs. The Job Separator feature is disabled by default.

Once the job separator page feature is enabled, follow these steps to select it:

1. Open the **Printers** folder, right-click the printer, and select **Printing Preferences**.

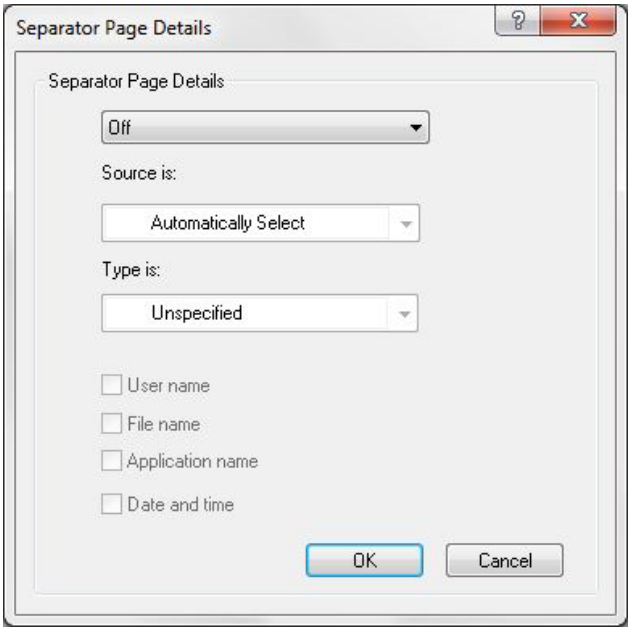
2. Select the **Finishing** tab.

Figure 3-25 Finishing Tab



3. Click the **Job Separator** button.

Figure 3-26 Separator Page Details



4. Configure the separator page and select **OK**.

Mopier Mode

The multiple-original print (mopy) function is an HP-designed feature that produces multiple, collated copies from a single print job. Multiple-original printing (mopying) increases performance and reduces network traffic by transmitting the job to the product once, and then storing it in memory or on the hard disk. The remainder of the copies are printed at the fastest speed. All documents that are printed in mopier mode can be created, controlled, managed, and finished from the computer, which eliminates the extra step of using a photocopier.

Both the HP LaserJet Enterprise 500 color MFP M575 and HP LaserJet Enterprise color flow MFP M575 support the transmit-once mopying feature when the **Mopier Mode:** setting on the **Device Settings** tab is **Enabled**.

When you use the HP PCL 6 Print Driver, mopying is performed in one of two ways: either through the software or through the product hardware. When mopier mode is enabled, mopying takes place through the product hardware. One copy of a multiple-page print job is transmitted once through the network to the product, together with a printer job language (PJL) command directing the product to make the specified number of copies.

When you disable mopier mode, you are not necessarily disabling multiple collated copies, which the driver can still perform through the software rather than the product hardware (the mopying path that is disabled when you change the **Mopier Mode** setting to **Disabled**). However, a multiple-copy print job that is sent when the mopier is disabled loses the advantage of transmitting the print job once, because the job is sent through the network for each collated copy.

Mopier mode and collation

Mopying and collating print jobs are independent but closely related functions. Mopying, the ability to send original print jobs to the product, is performed by the print driver. Collating can be controlled by either the print driver or the document software program. The mopying mode is selected by default in the driver, and can be disabled by changing the **Mopier Mode** setting on the **Device Settings** tab to **Disabled**.

Control collation through the print driver by selecting or clearing the **Collated** check box on the **Advanced** tab. Click **Copy Count** under the **Paper Output** setting. You can clear the check box, which is available only when the **Copy Count** option is set to more than 1 copy, to allow the software program to control collation.

To receive uncollated multiple copies of a print job, you must clear the **Collated** check box on the print dialog screen *and* make sure that the software program collation feature is not selected.

The following table shows the relation between mopier mode settings and collation settings in the software program and the driver. The first three columns show the settings; the last column, "Expected result", shows how a 3-page print job would appear.

Table 3-3 Driver mopier mode and collation settings

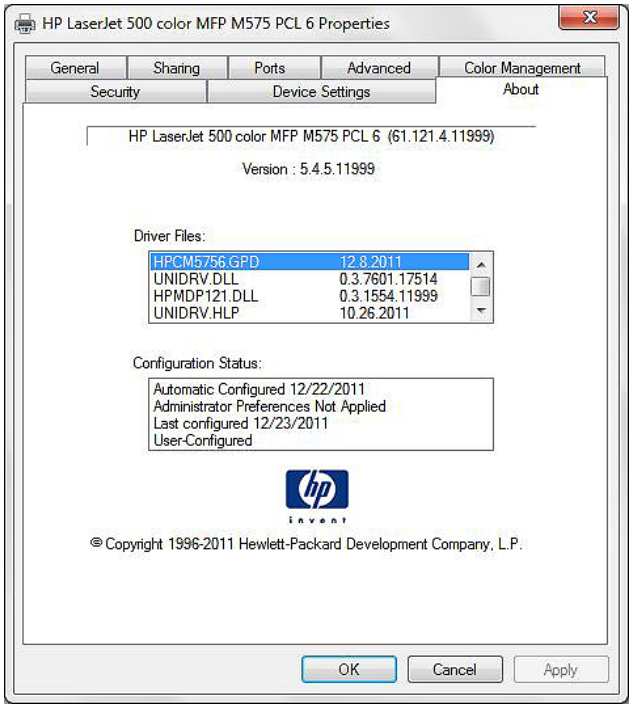
Mopier mode	Application collation	Driver collation	Expected result
Disabled	Not selected	Not selected	3 copies uncollated
Disabled	Not selected	Selected	3 copies uncollated
Disabled	Selected	Not selected	3 copies collated
Disabled	Selected	Selected	3 copies collated
Enabled	Not selected	Not selected	3 copies uncollated
Enabled	Not selected	Selected	3 copies uncollated
Enabled	Selected	Not selected	3 copies collated
Enabled	Selected	Selected	3 copies collated

About tab features

NOTE: The **About** tab is located on the **Properties** tab set.

The **About** tab provides detailed information about driver component versions. It contains an overall build version number (in parentheses after the model name) together with specific information about each of the components. The information varies according to the HP LaserJet Enterprise 500 color MFP M575 or HP LaserJet Enterprise color flow MFP M575 model number, driver, date, and versions. The **About** tab is shown in the following figure.

Figure 3-27 About tab



The **About** tab lists driver installation file names and their version numbers. The **About** tab also indicates whether the driver was autoconfigured, whether administrator preferences were set, the date the driver was last configured, and whether the configuration is autoconfigured or user-configured.

The **About** button is also available on most driver screens. The **About** button provides a PCL and UPD driver version numbers.

NOTE: The HP PCL 6 print driver is installed by default when using the installer CD. It can also be downloaded from www.hp.com with an installer or just the driver.

4 Mac OS X software and utilities

Introduction

Both the HP LaserJet Enterprise 500 color MFP M575 and HP LaserJet Enterprise color flow MFP M575 products come with software and installers for Apple, Inc. Mac systems.

This chapter provides procedures for installing and removing the HP LaserJet Enterprise 500 color MFP M575 or HP LaserJet Enterprise color flow MFP M575 printing-system software for Mac operating systems, as well as descriptions about the software and utilities. The chapter provides information about these topics:

NOTE: Detailed installation steps can be found in Mac OS X installation on page 135.

- Determine the Mac driver version
- Supported operating systems for Mac OS X
- Printing-system software
- Mac OS X installation instructions
- Remove the print driver (Mac OS X)
- AirPrint
- HP Utility for Mac

Determine the Mac driver version

Mac OS X

1. From the Apple menu , click the **System Preferences** menu and then click the **Print & Fax** icon (Mac OS X v10.5 and 10.6) or **Print and Scan** icon (Mac OS X v10.7 and v10.8).
2. Select the product in the left side of the window.
3. Click the **Options & Supplies** button.
4. Click the **General** tab to view the driver version number.

Supported operating systems for Mac OS X

The product supports the following Mac operating systems:

- HP LaserJet Enterprise 500 color MFP M575: Mac OS X v10.5, v10.6, and v10.7.
- HP LaserJet Enterprise color flow MFP M575: Mac OS X v10.6, v10.7, and v10.8.

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

Mac system requirements

Hardware requirements

- PowerPC G4, G5 or Intel Core processor
- 256 MB RAM
- 200 MB of available hard-disk space
- CD-ROM or DVD drive or Internet connection

Supported printer drivers for Mac

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.

- Supported Mac drivers for OS X are included on the in-box CD and available for download:
  - HP LaserJet Enterprise 500 color MFP M575: www.hp.com/go/lj500colorMFPM575_software
  - HP LaserJet Enterprise color flow MFP M575: www.hp.com/go/ljcolorflowMFPM575_software
- HP ePrint
- HP ePrint Software
- HP Airprint driver

Change printer-driver settings for Mac

Change the settings for all print jobs until the software program is closed	Change the default settings for all print jobs	Change the product configuration settings
1. With an application open, click **File** menu, and then click the **Print** button. 2. Change the settings that you want on the various menus.	1. With an application open, click **File** menu, and then 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.	**Mac OS X 10.5, 10.6, 10.7, and 10.8** 1. From the Apple menu , click the **System Preferences** menu and then click the **Print & Fax** icon or the **Print & Scan** icon for OS X 10.7. 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.

Printing-system software

The product includes the following software for Mac computers:

- HP LaserJet Enterprise 500 color MFP M575 for PDEs for Mac OS X v10.5, v10.6 and v10.7.
- HP LaserJet Enterprise color flow MFP M575 for PDEs for Mac OS X v10.6, v10.7, and v10.8.

PDEs

Printer Dialog Extensions (PDEs) are code plug-ins that provide access to product features, such as number of copies, duplexing, and quality settings. The PDEs are HP additions to Apple's print driver.

HP Embedded Web Server

Mac OS X v10.5 and later support the HP Embedded Web Server (HP EWS). Use the HP LaserJet Utility to control features that are not available in the driver. Use the HP EWS to perform the following tasks:

- Name the product and assign it to a zone on the AppleTalk network.
- Change product settings.
- Set a password for the product.
- From the computer, lock out functions on the control panel to prevent unauthorized access (see the printing-software help).

Online help

This HTML-based help system replaces the Apple Guide help system that was provided with Mac OS 9.*x* HP products. The help system is in English only, and can be viewed through a browser or in the Mac OS Help Center.

Screen fonts

The printing-system software for Mac operating systems no longer includes a font installer. Both the HP LaserJet Enterprise 500 color MFP M575 and the HP LaserJet Enterprise color flow MFP M575 products use previously installed system fonts when installed on a Mac computer.

Mac OS X installation instructions

On a Mac computer, the installation procedures are basically the same for a network administrator, a network client, and a single user. Install the software on any computer that has save rights to the product. Users must have Administrator rights to install the software.

NOTE: If the computer is connected to the product by a LocalTalk (printer port) connection, you must configure the AppleTalk (or network) control panel for the correct connection to communicate with the product. You must set up the HP LaserJet Enterprise 500 color MFP M575 or HP LaserJet Enterprise color flow MFP M575 product, connect it to the computer or network, and turn it on *before* the software is installed. Mac operating systems do not support parallel connections.

The Mac partition contains an installer program for each language. Find the appropriate language for the operating system that is being used, and then use the installer program for that language.

NOTE: Detailed installation steps can be found in Mac OS X installation on page 135.

HP LaserJet software CD, Mac partition

The files contained in the Mac partition of the HP LaserJet software CD are grouped by language and reside in the following directory:

- HP LaserJet Enterprise 500 color MFP M575 or HP LaserJet Enterprise color flow MFP M575
- Documents

Install the HP LaserJet printing-system software for the Mac OS

Topics:

- General installation instructions
- Mac OS X installation
- Setup instructions

General installation instructions

1. Insert the product printing-system software CD into the CD-ROM drive.

   NOTE: If the CD screen does not open automatically, double-click the CD-ROM icon on the desktop to open the CD-ROM window.

2. Double-click the HP LaserJet Enterprise 500 color MFP M575 or HP LaserJet Enterprise color flow MFP M575 icon.

3. Follow the onscreen instructions to complete the software installation.

NOTE: If you are installing the printing-system software on a Mac OS X system, be patient. The installer must perform an initial search of the computer for up to 1 minute. During this time the installer might appear to be stalled.

4. When software installation is complete, click **Close**.

Mac OS X installation

This section provides information about the various installation dialog-box sequences for the Mac OS X operating system.

Main Install dialog box sequence

NOTE: If you are connecting the product to a network, connect the network cable to the network port. If you are connecting the product with a USB cable, connect the USB cable.

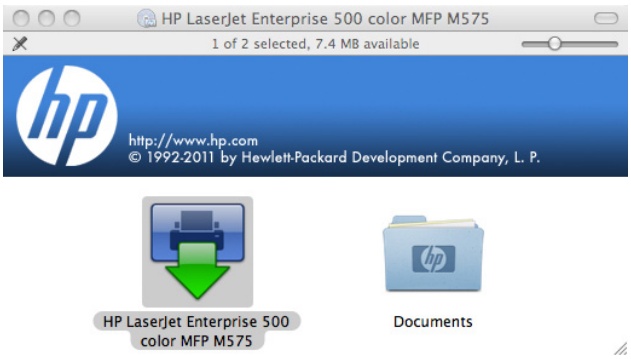
1. Insert the HP LaserJet Enterprise 500 color MFP M575 or HP LaserJet Enterprise color flow MFP M575 printing-system software CD in the CD-ROM drive.

NOTE: If the CD screen does not open automatically when the CD is put into the CD-ROM drive, double-click the CD-ROM icon on the desktop to open the installer folder.

NOTE: The CD shipped with your product only contains the software specific to the product. The CD labeled HP LaserJet Enterprise 500 color MFP M575 can only be used with the HP LaserJet Enterprise 500 color MFP M575 product and cannot be used with the HP LaserJet Enterprise color flow MFP M575 product. Similarly, the CD labeled HP LaserJet Enterprise color flow MFP M575 only has the software for the HP LaserJet Enterprise color flow MFP M575 product.

2. The installer program opens.

Figure 4-1 Mac installer opening screen

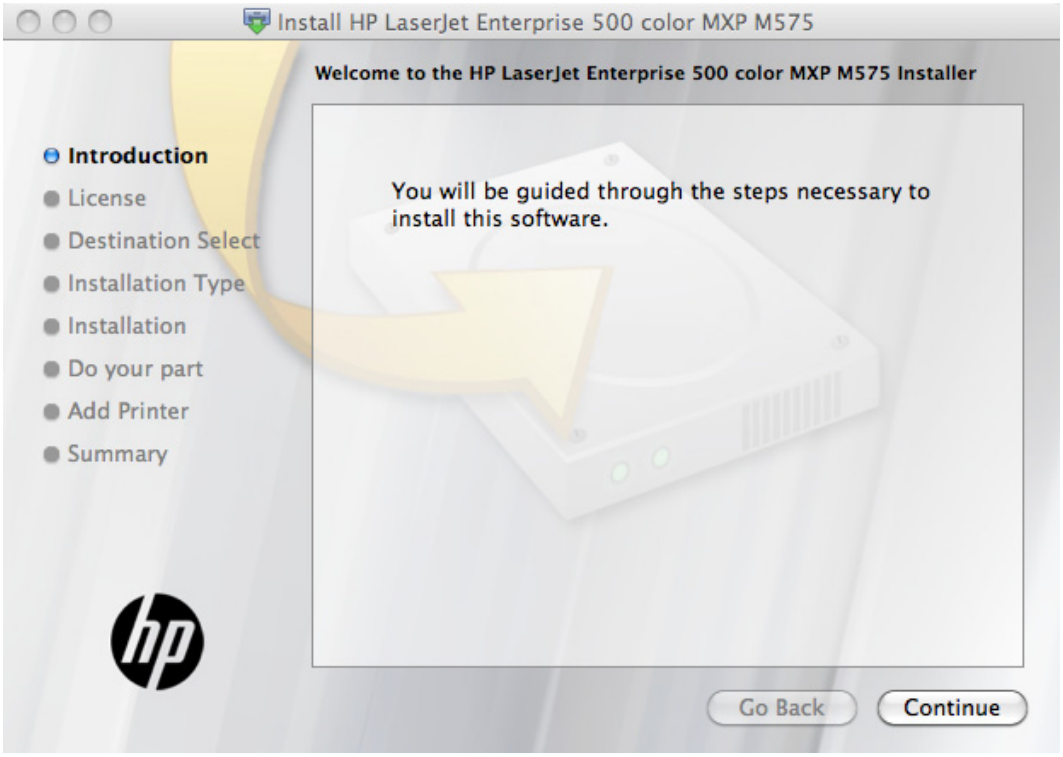


NOTE: The product name displayed on your HP LaserJet installer browser screen may be different than the file name displayed in the above figure.

NOTE: In the HP LaserJet installer browser screen, double-click the **Documents** icon to gain access to the product user guide. You can also select a language folder and locate the available ReadMe file which is in .htm format.

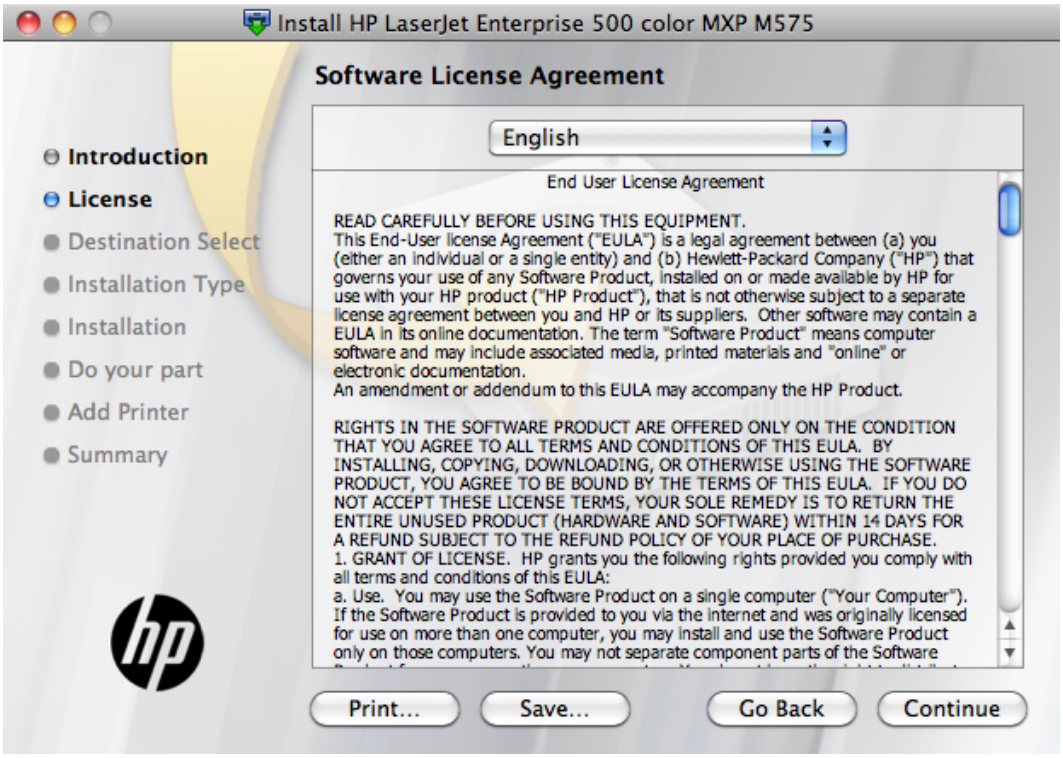
3. In the HP LaserJet installer browser screen, double-click the product icon to open the installer program Introduction dialog.

Figure 4-2 Mac installer Introduction dialog



4. Click the **Continue** button. The **Software License Agreement** dialog appears.

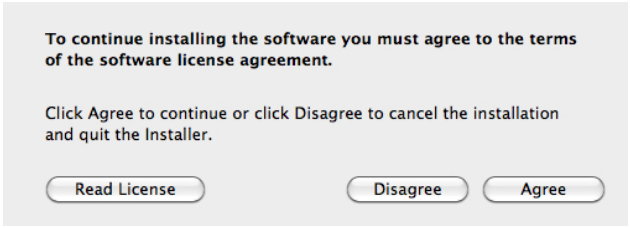
Figure 4-3 Mac installer Software License Agreement dialog



5. You can save or print the license file by clicking the **Save** button or the **Print** button.

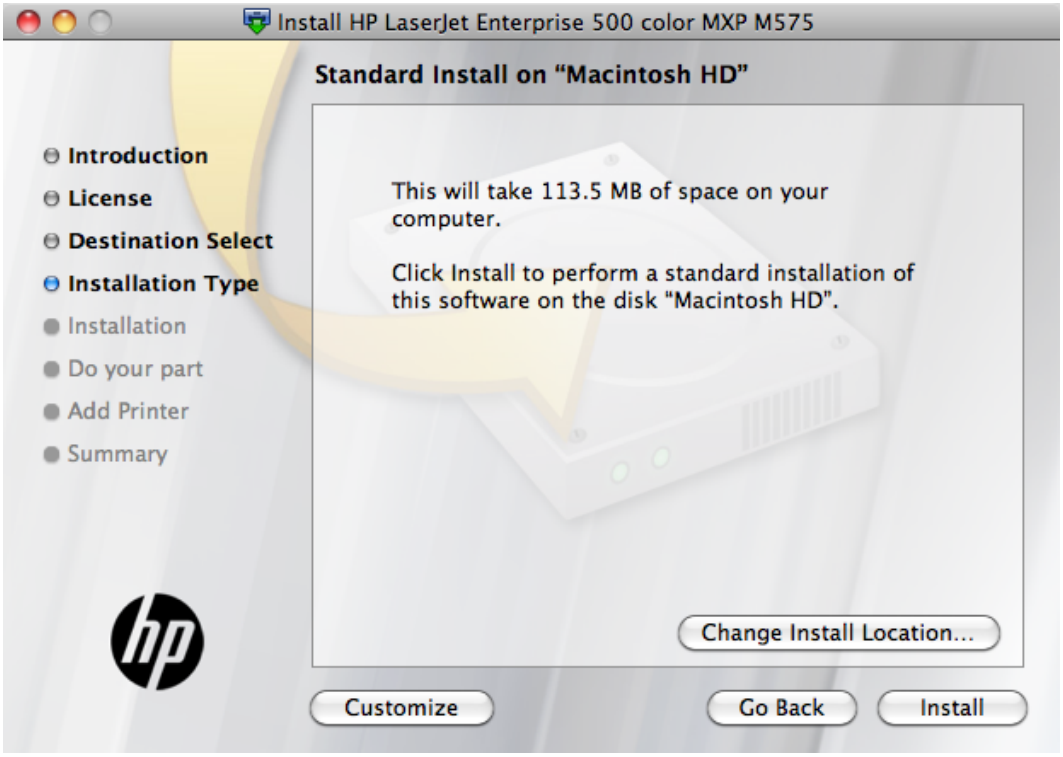
Read the software license agreement, and then click the **Continue** button. The license agreement dialog appears.

Figure 4-4 Mac installer license agreement dialog



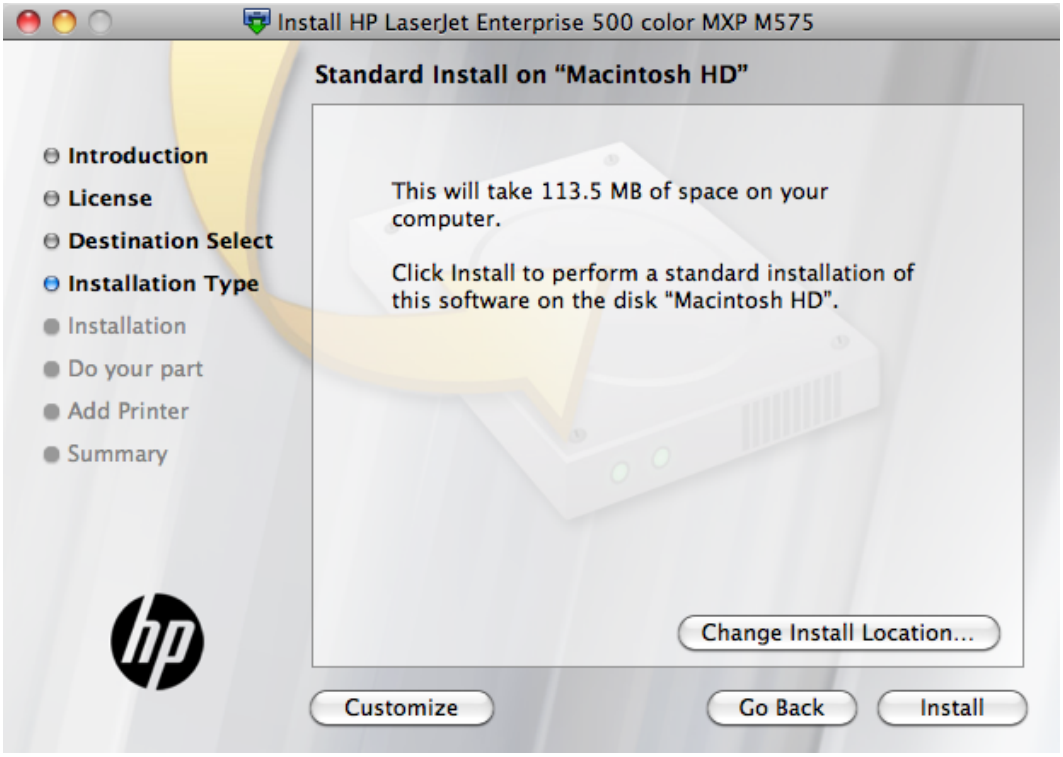
6. Click the **Disagree** button to end the installation and close the installer, or click the **Agree** button to continue the installation.

Figure 4-5 Mac installer Select a Destination dialog



7. Select the destination for the software installation and click **Continue**. The **Installation Type** dialog appears.

Figure 4-6 Mac installer Installation Type dialog



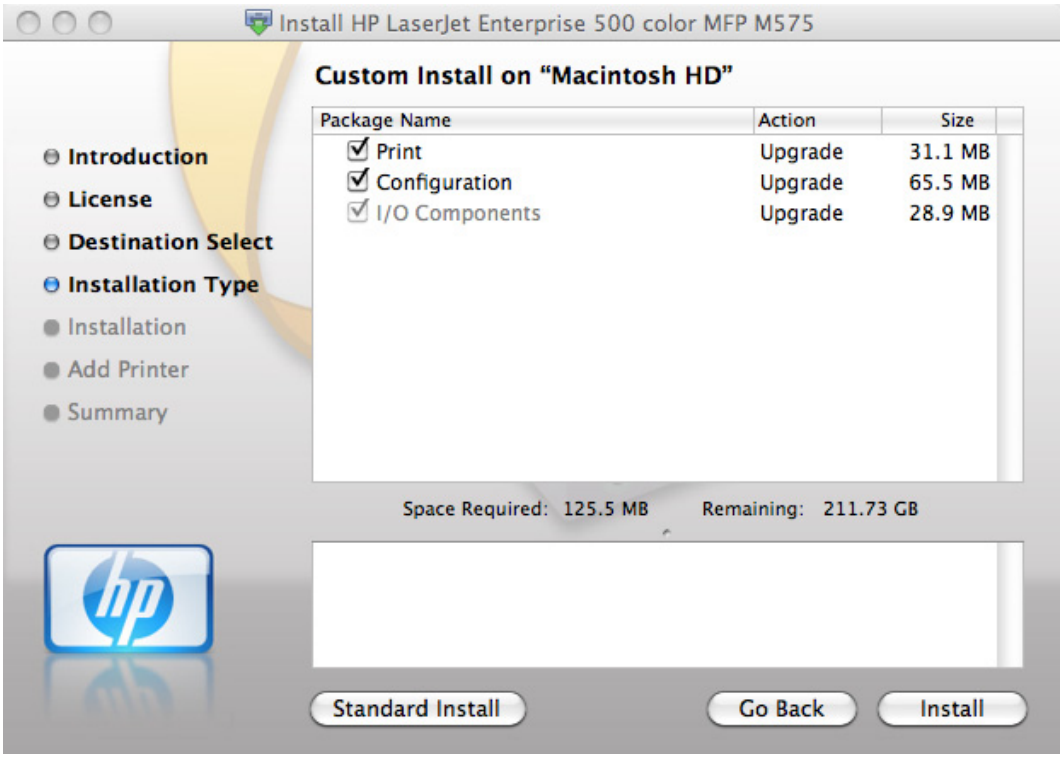
8. Click the **Go Back** button to go back to the previous screen.

To change the installation location, click the **Change Install Location...** button, navigate to the desired location, click the **Continue** button, and then click the **Install** button. Go to step 10.

Click the **Install** button to continue the standard installation. Go to step 10.

Click the **Customize** button to open a dialog that lists separate software programs that you can choose to install.

Figure 4-7 Mac installer custom installation dialog



Click the **Standard Install** button to revert to the standard installation process.

Click the **Go Back** button to go back to the previous dialog box.

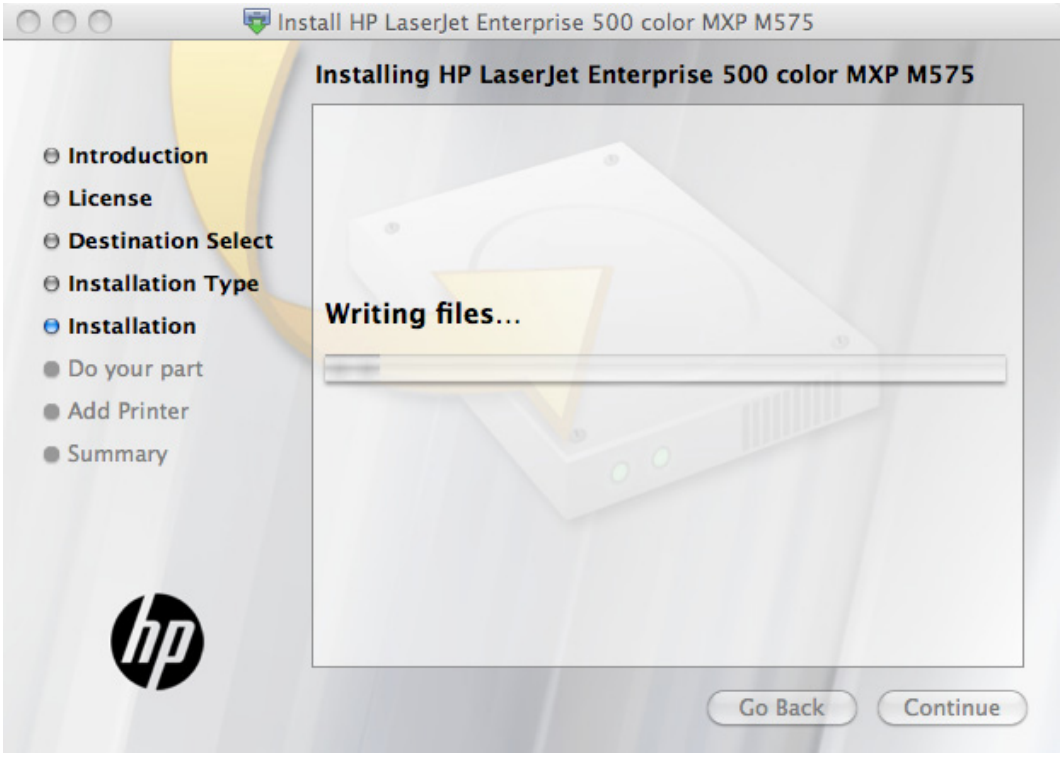
Use the check boxes in the **Package Name** list to select the printing-system components to install, and then click the **Install** button or the **Install Software** (Mac OS X 10.7) button.

9. An authentication dialog appears. Type the required user name and password, and then click the **OK** button or .

Figure 4-8 Mac installer authentication dialog

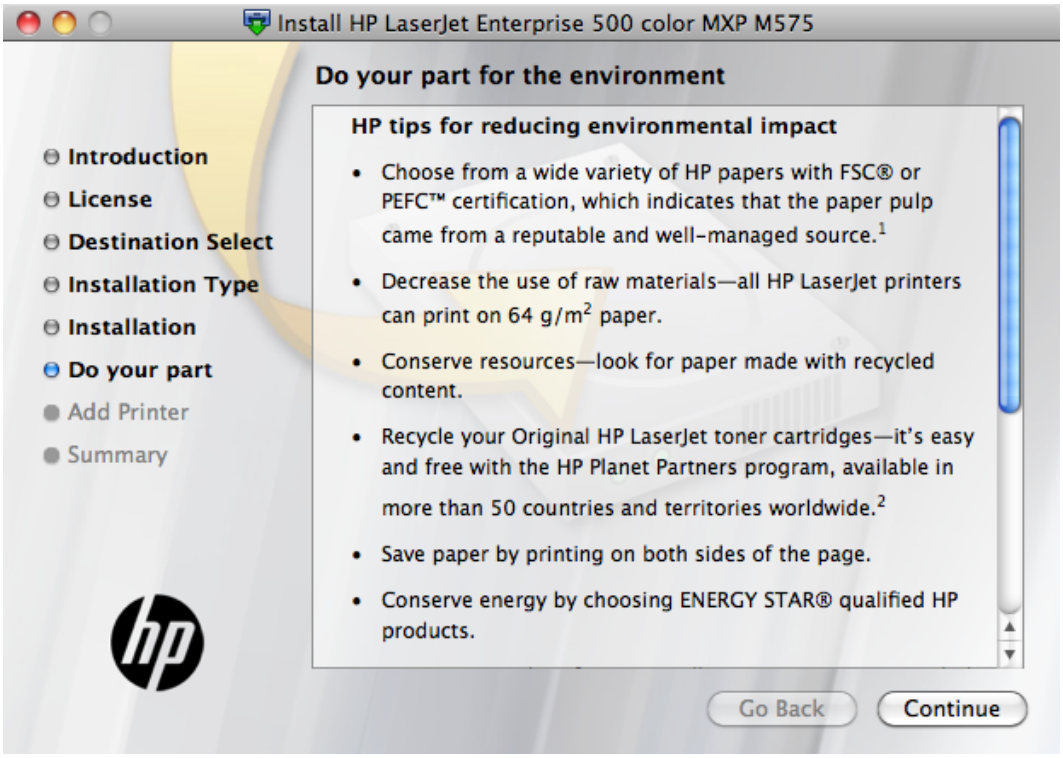
10. The **Installation** dialog appears. A progress bar shows the percentage of the installation progress that has been completed. Allow the program to install the software.

Figure 4-9 Mac installer Installation dialog

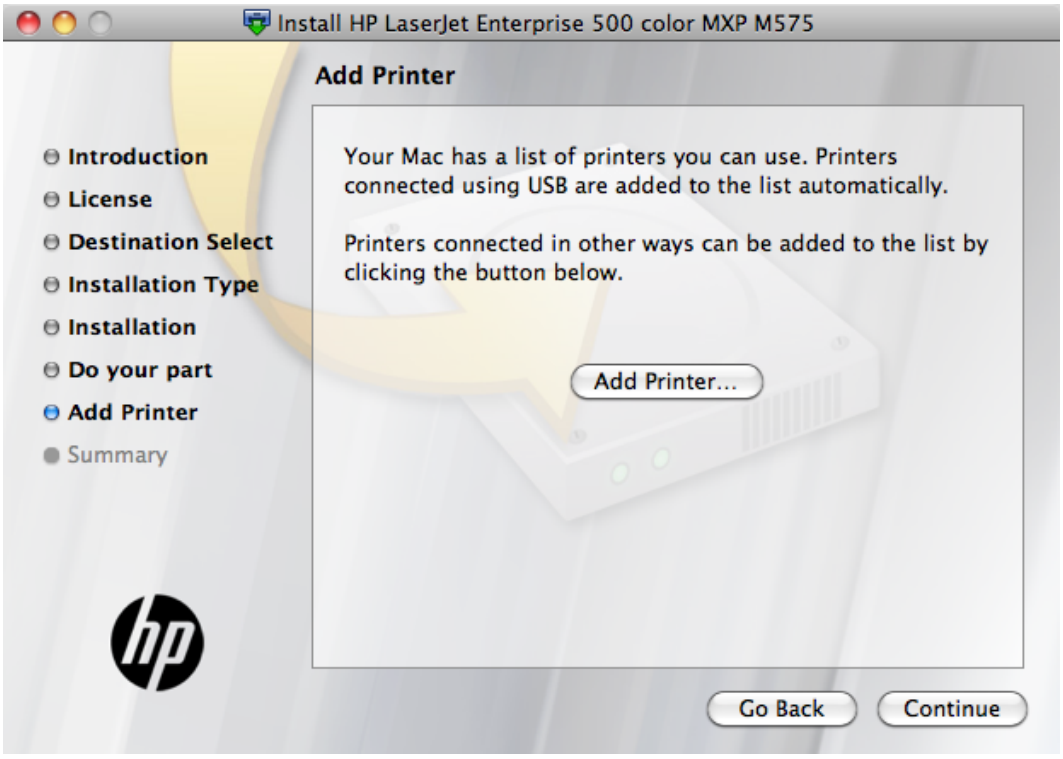


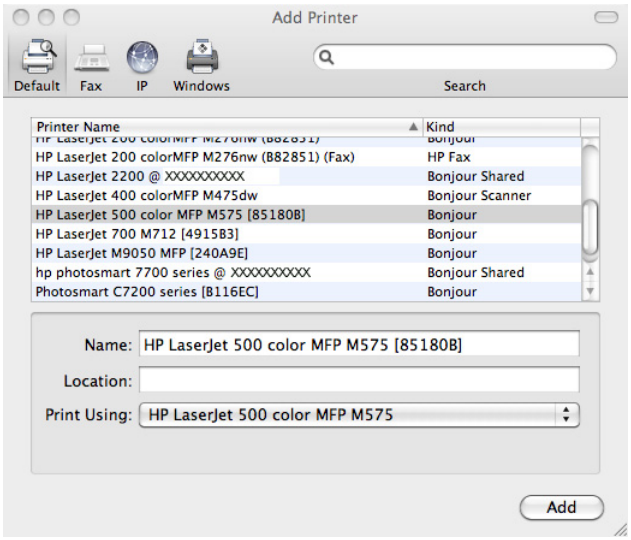
11. Read the tips for reducing environmental impact and click **Continue** when finished.

Figure 4-10 Do your part for the environment



12. The **Add Printer** dialog appears. Click the **Add Printer...** button to add your product to the list of available printers.



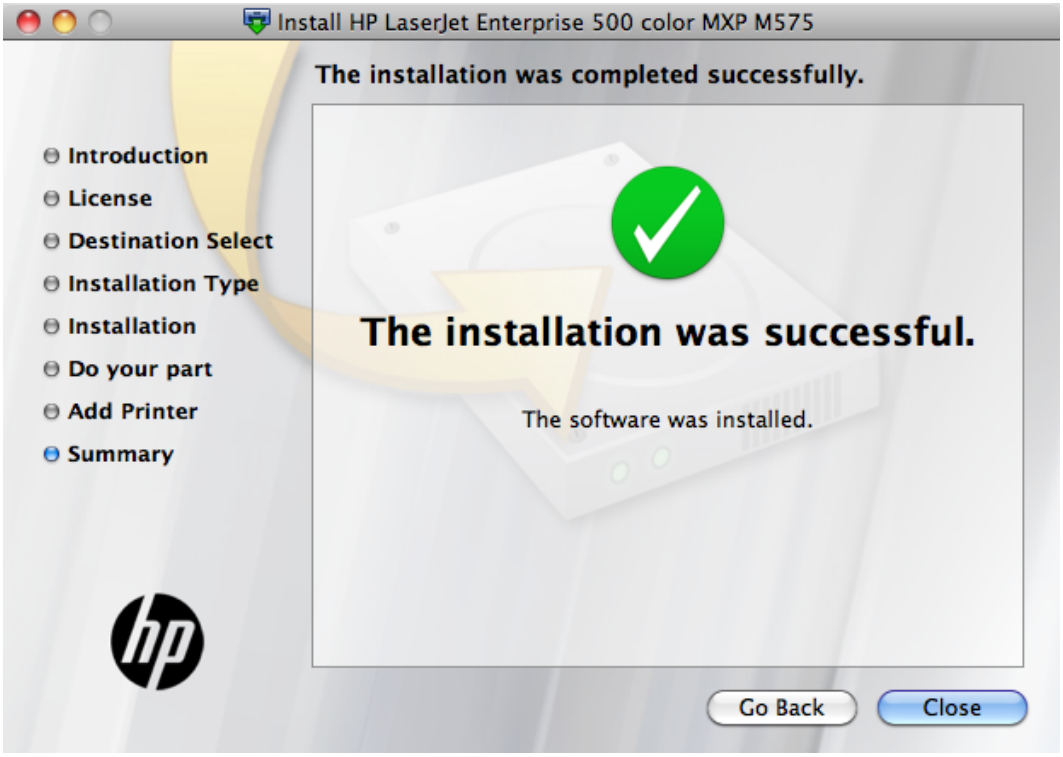


NOTE: To select the printer by its IP address, click the IP icon in the upper right corner of the **Add Printer** dialog.

13. Click the **Add** button to add the printer and then click the **Continue** button.

14. When the installation is complete, the **Summary** dialog appears, stating that the installation was successful.

Figure 4-11 Mac installer Summary dialog



15. Click the **Close** button to exit the installer.

Setup instructions

This section contains information about the following topics:

- Setting up a printer with Mac OS X
- Troubleshooting the product setup

Setting up a printer with Mac OS X

Complete these steps *after* completing the printing-system software installation if you did not add a printer when running the installer.

1. If you are installing the product using a USB connection, connect the USB cable between the product and the computer if you have not already done so. Turn on the product. If you are installing using a network connection, verify that the network cable is connected to the product and that the product is on.

2. Max OS X 10.5 and 10.6: From the Apple menu , click the **System Preferences** menu, then click the **Print & Fax** icon.

   Mac OS X 10.7 and 10.8: From the **Apple** menu , click the **System Preferences** menu, then click the **Print & Scan** icon.

3. If you are installing the product using a USB connection, verify that the product appears in the printer list. The **Name** column in the printer list should display the product name. If this is the case, the USB setup is complete.

   If the product does not appear, or if the correct information does not appear in the field, see Troubleshooting the product setup on page 147.

   If you are installing the product using a network connection, continue with the following steps.

4. Click the plus symbol in the **Printer List** to open the **Printer Browser** screen.

5. You can use either Bonjour (default browser) or IP Printing for the network connection.

NOTE: Bonjour is the easiest method and is the best method to use if the product is installed on your local network.

IP Printing *must* be used if you are installing the product on a different network.

If you are using Bonjour, carry out the following steps:

a. Click the **Default Browser** tab.

b. Select the product from the list. The software verifies that the product is connected to the network and the **Print Using** field is automatically populated with the correct PPD for the product.

NOTE: If you are on a network that has more than one product, print a configuration page and match the Bonjour Printer Name to the name on the list to identify the product that you are installing.

NOTE: If the product does not appear in the list, verify that the product is on and connected to the network, then try turning the product off and then on again. If the product PPD does not appear in the **Print Using** pull-down list, turn the computer off and then on again, then restart the setup process. For more troubleshooting information, see Troubleshooting the product setup on page 147.

c. Click the **Add** button.

d. You are finished with the setup process.

If you are using the IP Printing method, carry out the following steps:

a. Click the **IP Printer** tab (OS X 10.5 and 10.6) or the **IP** tab (OS X 10.7 and 10.8).

b. Choose **HP Jet Direct – Socket** from the **Protocol** pull-down menu. This is the recommended setting for HP products.

c. At the product control panel, touch the **Network Address** button to identify the product IP address or host name.

   If the **Network Address** button is not visible, you can find the IP address or host name by printing a configuration page.

   i. At the product control panel, scroll to and touch the **Administration** button.

   ii. Open the following menus:

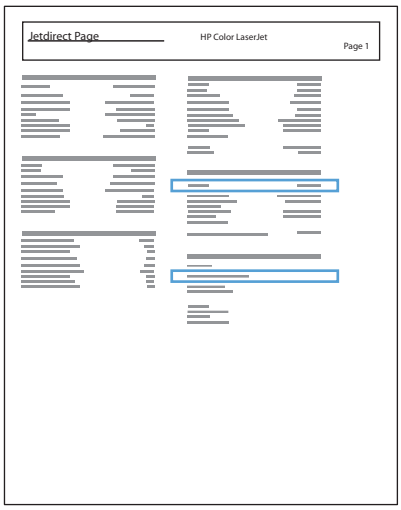
   - Reports
   - Configuration/Status Pages

   iii. Touch **Configuration Page**.

   iv. Touch the **View** button to view the information on the control panel, or touch the **Print** button to print the pages.

   v. Find the IP address on the Jetdirect page.

   Figure 4-12 IP location on the Jetdirect page



   vi. IPv4: If the IP address is 0.0.0.0, or 192.0.0.192, or 169.254.x.x, verify the product is connected to a network. If the product is connected to a network and displaying the previously listed IP addresses, you may have to manually configure the IP address. Otherwise, the network configuration was successful.

   IPv6: If the IP address begins with "fe80:", verify the product is connected to a network. If the product is connected to a network and displaying the previously listed IP addresses, the product should be able to print. If not, you may have to manually configure the IP address.

d. Type the IP address into the **Address** field on the **Add Printer** screen.

e. The **Name**, **Location**, and **Print Using** information will automatically be filled in. If the product PPD does not appear in the **Print Using** field, turn the computer off and then on again and restart the setup process.

6. Select the product , click the **Options and Supplies** button, then click the **Driver** button.

7. Each optional tray is listed with a check box.
8. If the product has a hard disk, select the **Printer Disk** check box.
9. If the product has a duplex unit, select the **Duplex Unit** check box.
10. After you have selected the settings in the driver screen, click **Continue**. The product name appears in the **Printer List** and the setup is complete.

Troubleshooting the product setup

If the product does not appear in the printer list after an installation:

Complete each one of these solutions in the order given, and restart the setup process after each one to see if the issue has been resolved.

- Verify that the USB or network cable is connected between the product and the computer and that the product is powered on.
- Try disconnecting and reconnecting the cable. If the computer has more than one USB port, try a different USB port.
- Turn the product off and then back on.
- Turn the computer off and then back on.
- If you are using a USB hub on the computer, disconnect any other USB devices from the hub.

If the wrong PPD appears in the Kind column in the printer list after installation:

1. Unplug the USB cable.
2. Delete the print queue with the incorrect type (for example, Generic PostScript Printer).
3. Reinstall the printing-system software.
4. Turn the computer off and then on.
5. Reconnect the USB cable from the computer to the product.

If these steps do not resolve the problem, delete the incorrect print queue, click **Add**, choose the product from the list, and then browse manually for the product PPD.

Remove the print driver (Mac OS X)

You must have administrator rights to remove the software.

1. Open **System Preferences**.
2. Select **Print & Fax** (OS X 10.5 and 10.6) or **Print & Scan** (OS X 10.7 and 10.8).
3. Highlight the product.
4. Click the minus (-) symbol.
5. Delete the print queue, if necessary.

AirPrint

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

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

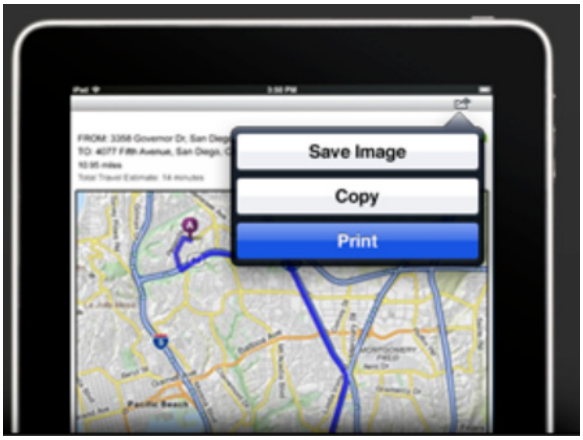
How to print with AirPrint

1. Open a document to print and touch the action icon.

Figure 4-13 Print with AirPrint, 1 of 3

2. Touch the **Print** button and configure your printer settings.

Figure 4-14 Print with AirPrint, 2 of 3



3. Touch the **Printer** button (callout 1) and select a printer, and then touch the **Print** button (callout 2) to print the document.

NOTE: If there are multiple printers in the list with the same model name, see Determine the product's AirPrint name on page 149.

Figure 4-15 Print with AirPrint, 3 of 3

Determine the product's AirPrint name

Wireless products that support AirPrint have an AirPrint printer name. Once the product is on the network, you can find the AirPrint name by completing the following procedure:

1. From the Home screen on the product control panel, touch the Network button to open the How to Connect screen.
2. The AirPrint name displays on the control panel screen. Use this name to print to the product from an iOS device.

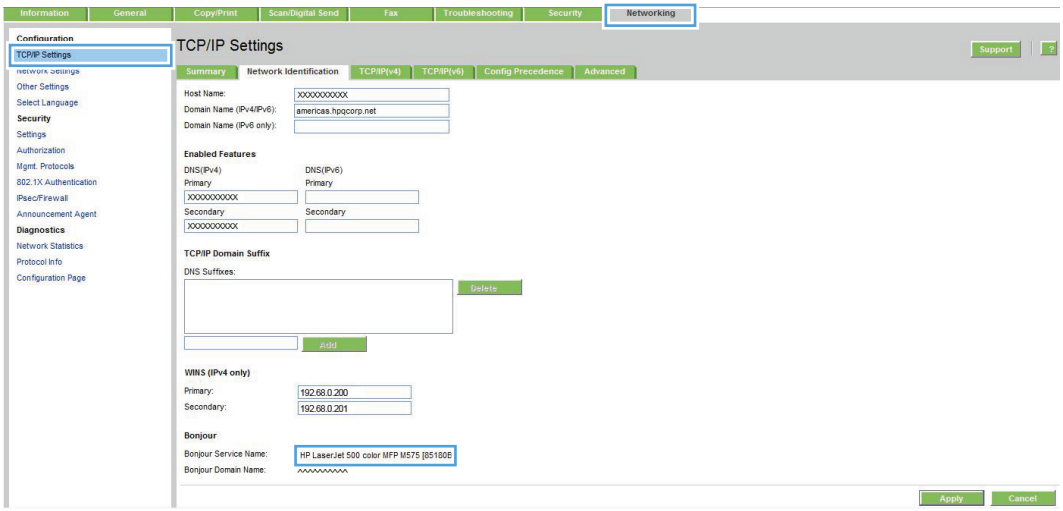
How to change the AirPrint printer name that displays on the How To Connect screen of the product control panel

1. At the computer, open a Web browser, type the IP address in the address line, and then press the Enter key. The HP Embedded Web Server (EWS) opens.
2. Select the **Networking** tab,
3. Click the **TCP/IP Settings** item.
4. Select the **Network Identification** tab.

5. Type the new name in the **Bonjour Service Name:** field.

6. Click the **Apply** button.

Figure 4-16 Change AirPrint printer name



AirPrint troubleshooting

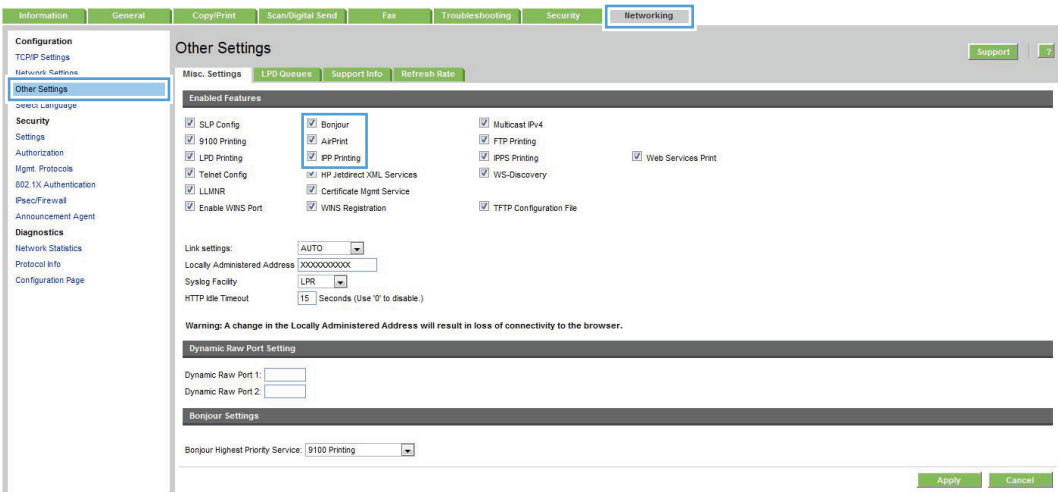
- Ensure the product supports AirPrint. To see the list of AirPrint supported products, see www.hp.com/go/AirPrint.
- Ensure the product latest firmware installed. If a firmware update is necessary, download the firmware from:
  - HP LaserJet Enterprise 500 color MFP M575: www.hp.com/go/lj500colorMFPM575_firmware
  - HP LaserJet Enterprise color flow MFP M575: www.hp.com/go/ljcolorflowMFPM575_firmware
- Ensure the printer is connected to the network through a wireless access point through a wireless router or wireless accessory installed on the printer. Both the HP LaserJet Enterprise 500 color MFP M575 and HP LaserJet Enterprise color flow MFP M575 products support the following wireless accessories:

Table 4-1 HP LaserJet Enterprise 500 color MFP M575 and HP LaserJet Enterprise color flow MFP M575 supported wireless accessories for AirPrint

Wireless accessory	Part number
HP Jetdirect 2700w USB 802.11 b/g/n Wireless Print Server	J8026A
NOTE: Available 2012	

- Ensure **Bonjour**, **AirPrint**, and **IPP Printing** is turned on. This can be done through the product's EWS on the **Networking** tab / **Other Settings**. See Figure 4-17 Enabling Bonjour, AirPrint, and IPP Printing on page 151.
- Ensure the Apple products meet these specifications:
  - Apple iOS 4.2 or greater
  - iPhone 3GS or later
  - iPad
  - iPod Touch 3rd generation or later

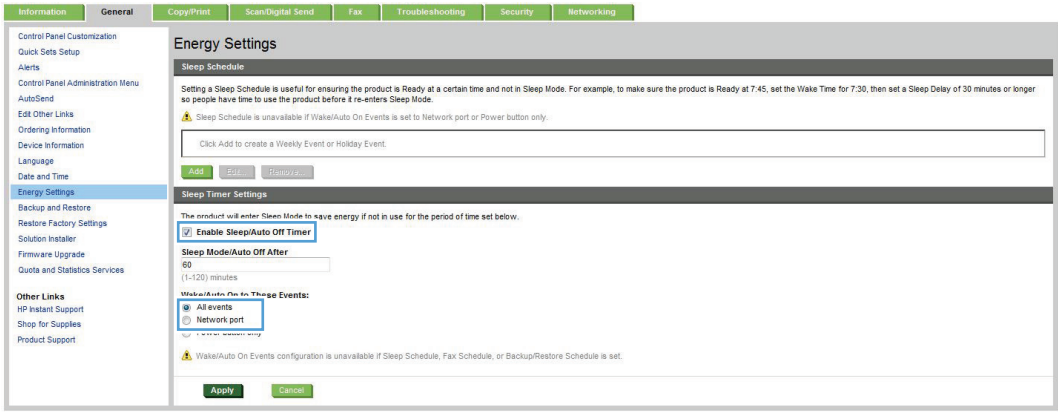
Figure 4-17 Enabling Bonjour, AirPrint, and IPP Printing



On the **General** / **Energy Settings** tab, ensure **All events** or **Network port** is selected if **Enable Sleep/Auto Off Timer** is selected. If **Power button only** is selected and the printer is in an Auto off energy saving mode, the printer will not wake up and print an AirPrint job unless the power button is pressed on the printer. See Figure 4-18 Energy settings for AirPrint on page 151.

NOTE: If a product is waking up, it may take several seconds to be able to print with AirPrint.

Figure 4-18 Energy settings for AirPrint



HP Utility for Mac

The HP Printer Utility is a software program that gives you access to the product in Mac OS X.

The HP Printer Utility does not work when it is installed by using the AppleTalk protocol. Use IP, Bonjour or Rendezvous to enable the HP Printer Utility.

The following topics are discussed:

- Access to the HP Utility
- Information and Support area
- Printer Settings
- Scan Settings

Click the **HP Support** button to go to the **HP Online Support** Web site for more help on any of these topics.

Access to the HP Utility

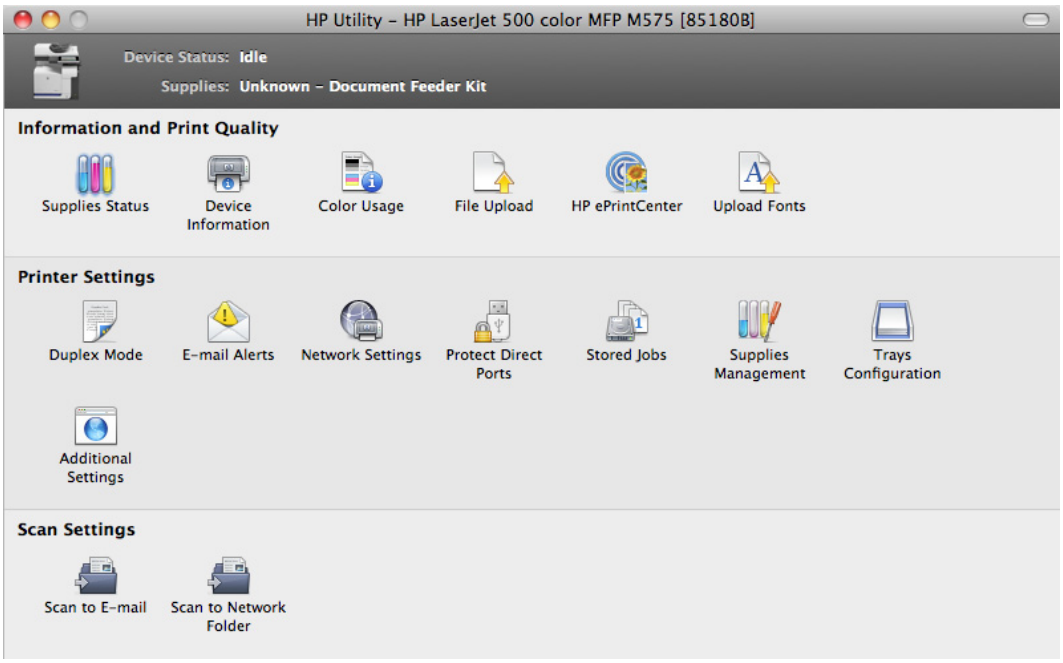
Follow these steps to gain access to the HP Utility:

1. Mac OS X 10.5 and 10.6: Open the Finder, click **Applications**, click **Utilities**, and then double-click **HP Utility**.

   Mac OS X 10.7 and 10.8: Click **Go**, click **Utilities**, and then double-click **HP Utility**.

2. The main **HP Utility** screen appears. Click the product in the **Devices** list.

Figure 4-19 HP Utility main screen



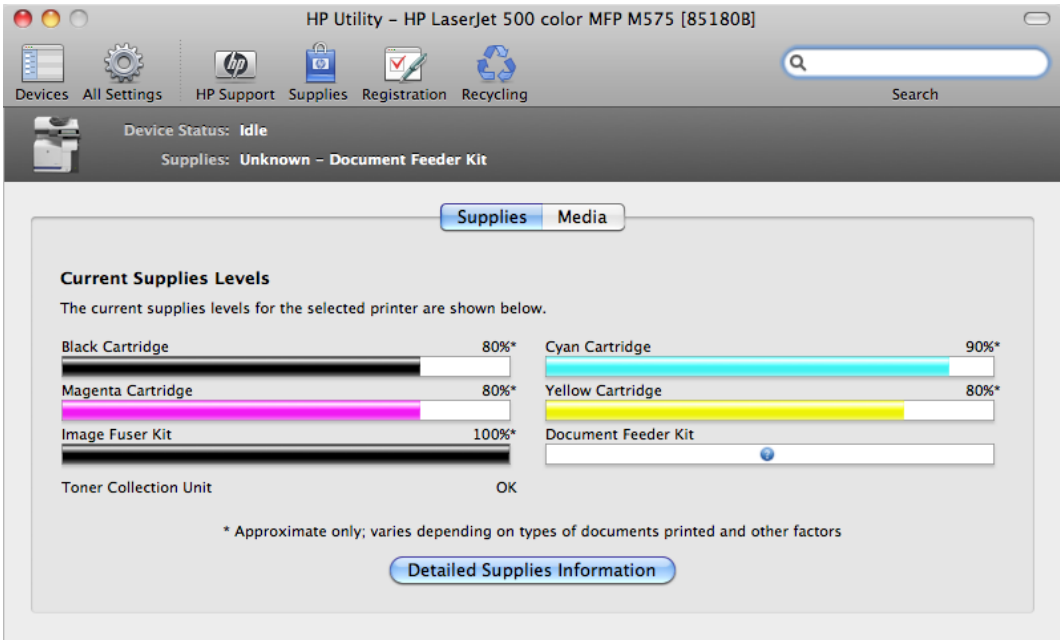
The following sections describe the screens and features that are available in the HP Utility.

Information and Support area

Supplies Status

In the **Information And Support** section of the HP Utility, click **Supplies Status** to open the **Supplies Status** screen.

Figure 4-20 Supplies Status screen



Click **Detailed Supplies Information...** to open the **Supplies Status** details screen.

Use the scroll button to see information about the color toner cartridges.

On the **Supplies Status** screen, click **Media** to see the status of the trays.

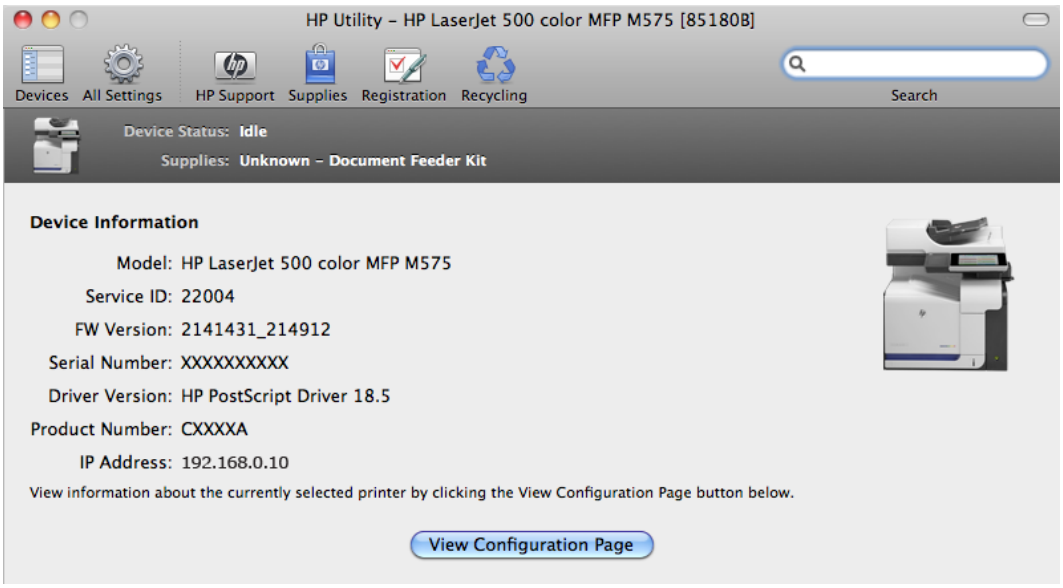
You can also order supplies at anytime by clicking **Supplies** in the toolbar on the HP Print Utilities main screen.

Click **All Settings** to return to the **Information And Support** section of the HP Utility.

Device Information

In the **Information And Support** section of the HP Utility, click **Device Information** to find the product **Service ID** (if assigned), the firmware version (**FW Version**), and the **Serial Number**.

Figure 4-21 Device Information screen



The product configuration page shows other settings; to view these setting **View Configuration Page**.

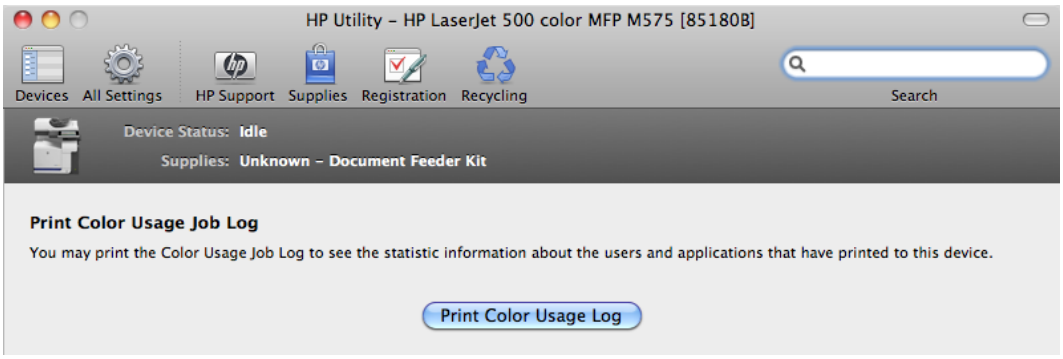
NOTE: If your web browser displays a message stating that it cannot verify the identity of the Web site, disregard the message and continue on to the Web site.

For more information, see the HP EWS online help.

Color Usage

In the **Information And Support** section of the HP Utility, click the **Color Usage** icon to open a screen and print a color-usage log.

Figure 4-22 Color Usage screen



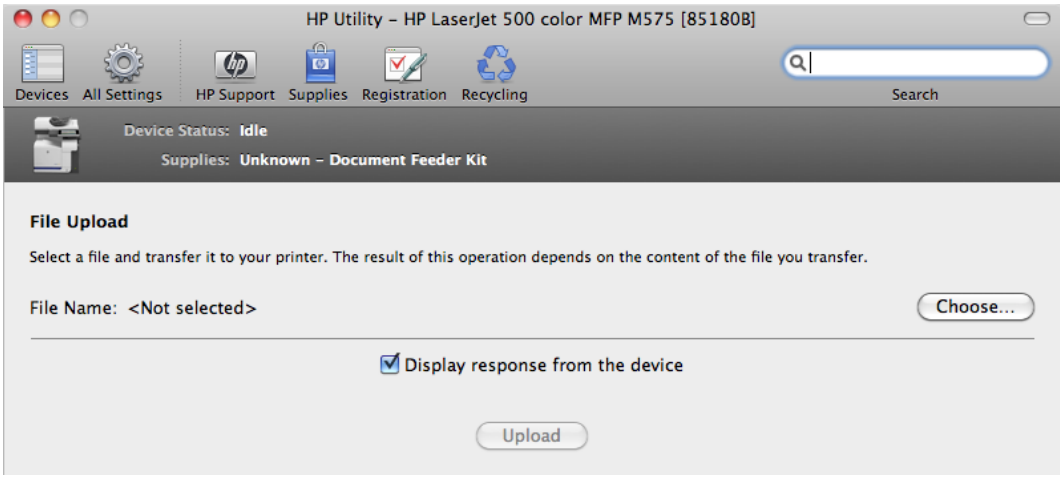
The color usage log provides the following information:

- Date and time
- Total number of jobs
- Mono (monochrome, or black-and-white) sides
- Color sides
- Paper sheets

File Upload

In the **Information And Support** section of the HP Utility, click **File Upload** to open the **File Upload** screen.

Figure 4-23 File Upload screen



The **File Upload** command is supported for file types that can be sent directly to the product without first being opened through a software program. Some files can be uploaded to the product, but some cannot.

Documents in the following file formats can be printed by using a command line. That is, they do not need to be opened in a software program that supports the file format (such as the Adobe Acrobat or Acrobat Reader programs for .PDF files), but can be sent directly to the product by using the **File Upload** command.

- HP LaserJet printer command language (.PRN)
- Portable document format (.PDF)
- Postscript (.PS)
- Text (.TXT)

On the **File Upload** screen, click **Display response from the device** to see whether the upload was successful. If the file loads successfully, no message appears.

On the **File Upload** screen, click **Choose...** to open a navigation screen. Locate the file you want to upload and click **Open**. The selected file name appears in the **File Upload** screen of the HP Printer Utility.

Click **Upload**.

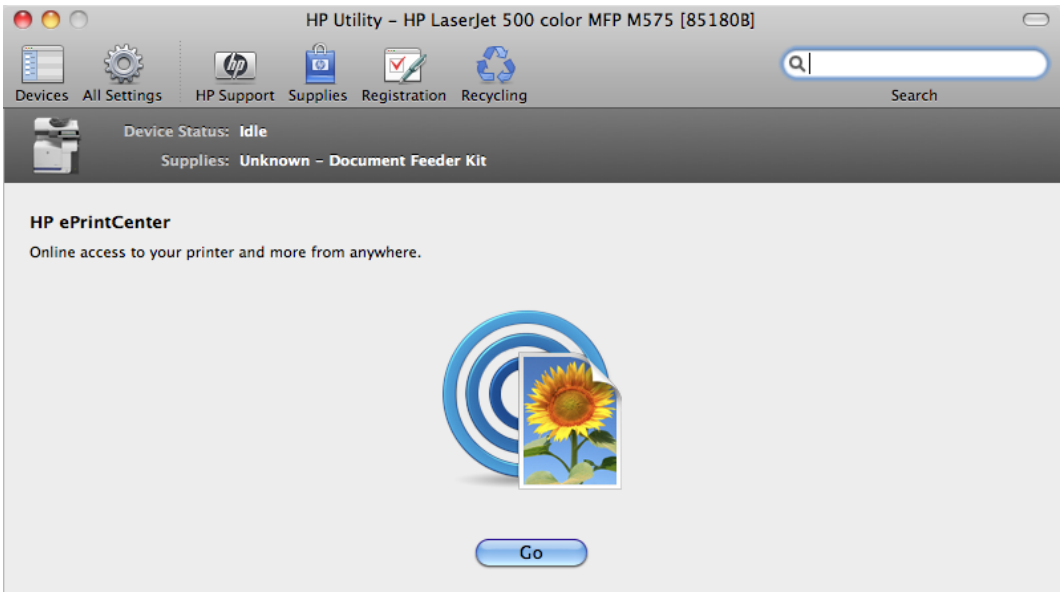
HP ePrint Center

Simplified printing for internet connected products from anywhere.

For instructions on how to enable HP Web Servies and configure HP ePrint, go to:

www.eprintcenter.com

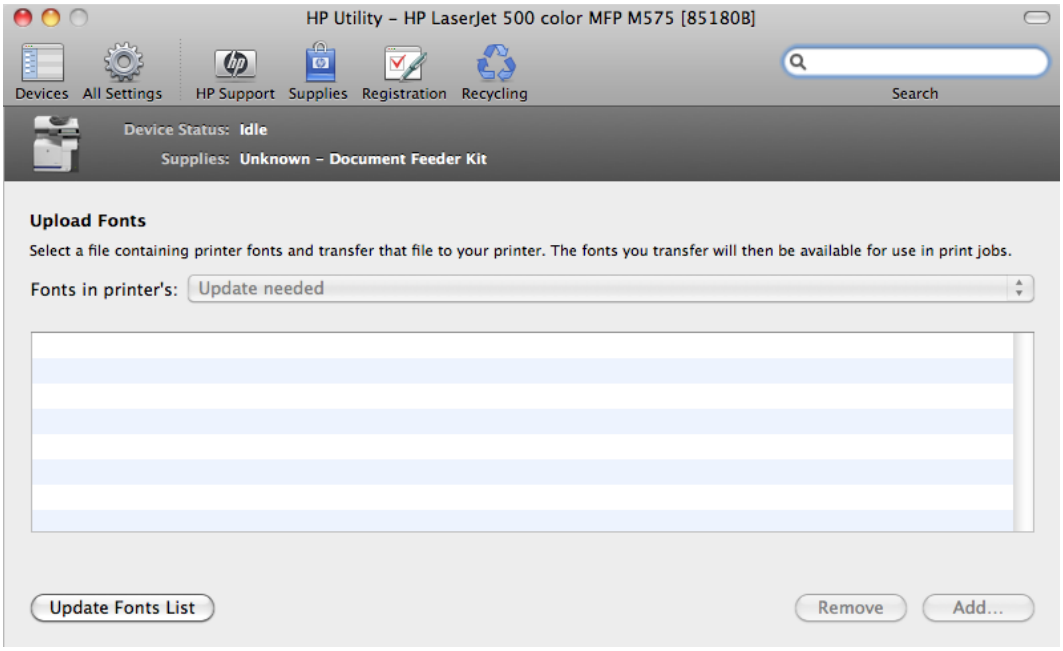
Figure 4-24 HP ePrint Center screen



Upload Fonts

In the **Information And Support** section of the HP Utility, click **Upload Fonts** to gain access to fonts that you can upload to the HP LaserJet Enterprise 500 color MFP M575 or HP LaserJet Enterprise color flow MFP M575 product.

Figure 4-25 Upload Fonts screen



The drop-down menu in the **Upload Fonts** pane has the following options:

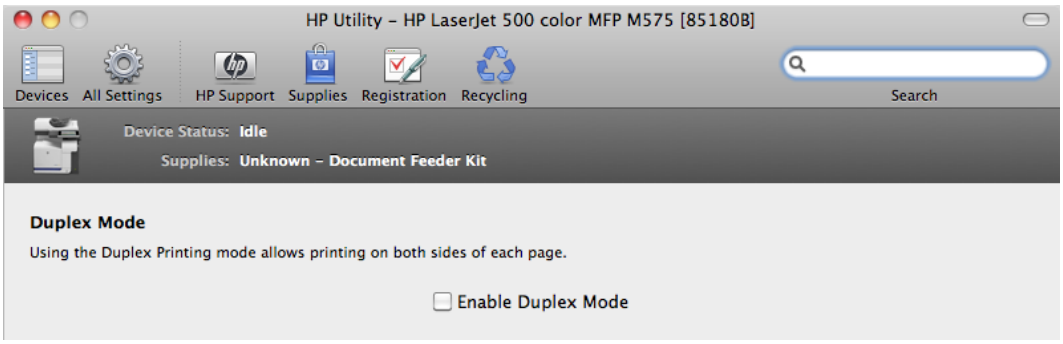
- **Memory**. Fonts that are available in the printer memory are listed.
- **Disk**. Select this option to show any fonts that are installed on the printer hard disk or flash disk. By default, no fonts are stored on either of these disks.
- To upload fonts, select the font name, and then click **Add**.

Printer Settings

Duplex Mode

Click this setting to open the **Duplex Mode** screen.

Figure 4-26 Duplex Mode screen



Use the **Enable Duplex Mode** command to print internal diagnostic and test pages on both sides of the page.

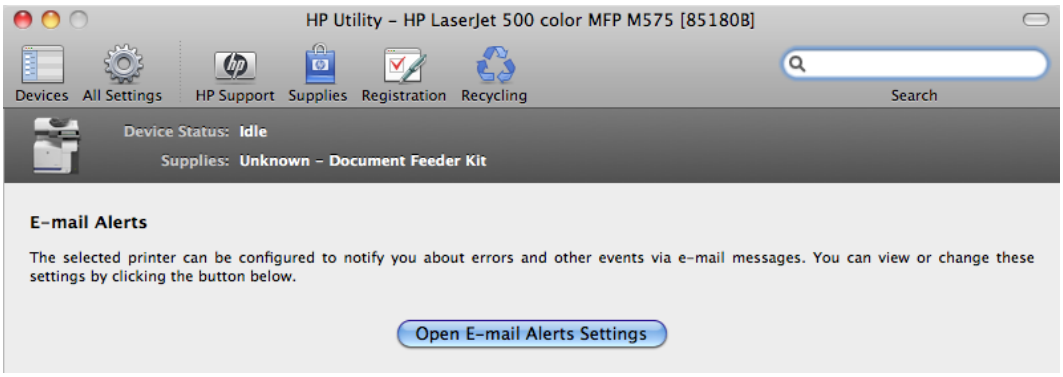
To enable this feature, select the **Enable Duplex Mode** check box. This box is clear by default.

E-mail Alerts

In the **Printer Settings** section, click the **E-mail Alerts** icon to configure the product to send e-mail notifications to users.

If a user name and password have been set, you might need to obtain them from the IT administrator. For more information, see the HP EWS online help.

Figure 4-27 E-mail Alerts screen



Click the **Open E-mail Alerts Settings** button to open the HP EWS. The HP EWS opens to the **Setup** screen on the **Alerts** tab, where you can set notifications.

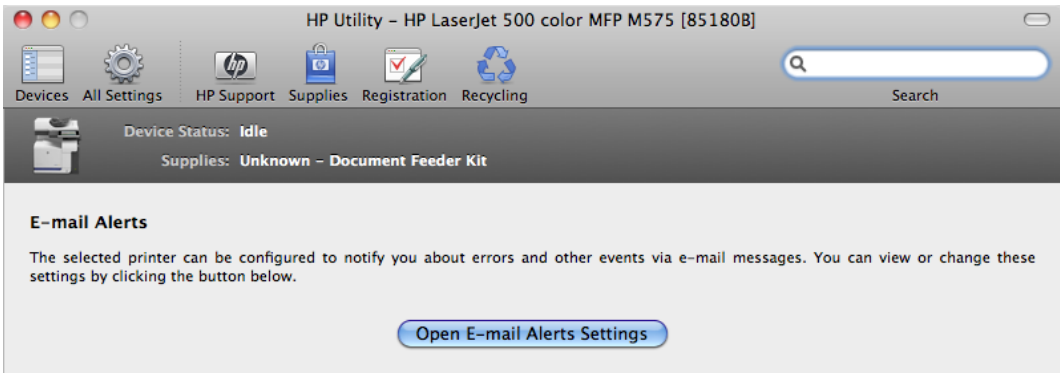
NOTE: If your web browser displays a message stating that it cannot verify the identity of the Web site, disregard the message and continue on to the Web site.

For more information, see the HP EWS online help.

Network Settings

In the **Printer Settings** section of the HP Utility, select **Network Settings** to open the **IP Settings** screen.

Figure 4-28 Network Settings screen–**IPv4 Settings**



The **Network Settings** screen provides access to **IPv4**, **IPv6**, **Bonjour Settings**, and **Other Settings**.

Select **Configuration**, to modify the following settings:

- **DHCP**
- **BootP**
- **Manual**

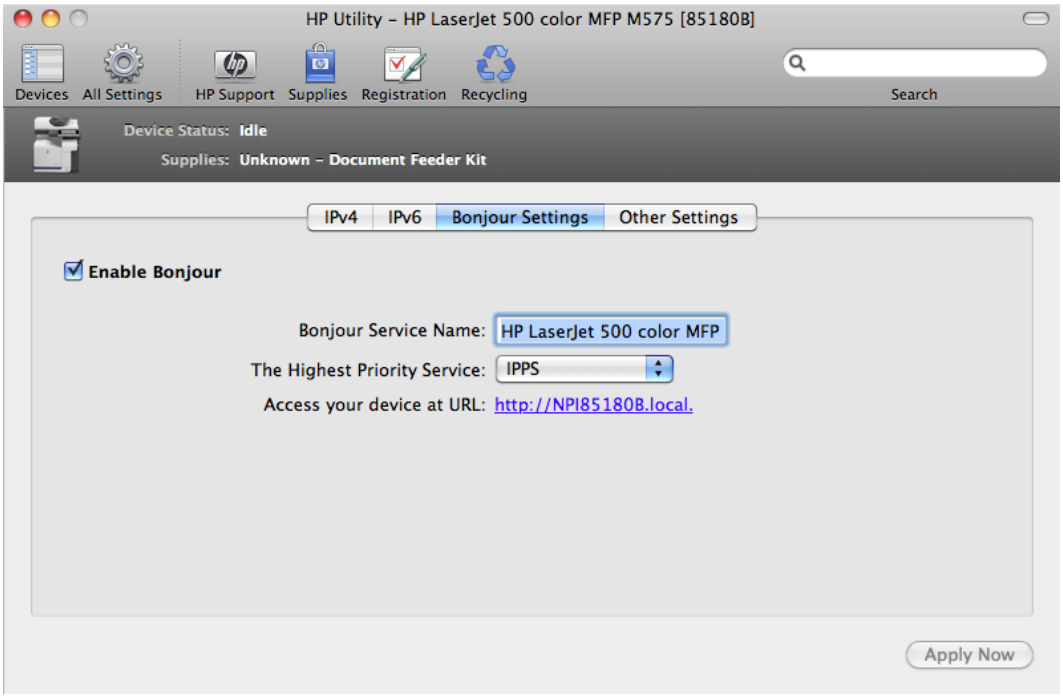
You can also use this screen to modify the following settings:

- **Host Name**
- **IP Address**
- **Subnet Mask**
- **Default Gateway**

To save new settings, click **Apply Now**.

To view and change the Bonjour network settings, click **Bonjour Settings**. Bonjour is enabled by default.

Figure 4-29 Network Settings screen–**Bonjour Settings**



To disable Bonjour, click to clear the **Enable Bonjour** check box and then click **Apply Now**.

The following options are available in the **The highest priority service** drop-down menu:

- **LPD-TEXT**
- **Port 9100**
- **LPD-AUTO**
- **IPP** (default in OS X 10.7)
- **LPD-BINPS** (default in OS X 10.5 and 10.6)
- **LPD-RAW**

After you select a new setting, click **Apply Now** to save it.

To view and change other network settings, click **Other Settings**, then click **Additional Network Settings**.

NOTE: If your web browser displays a message stating that it cannot verify the identity of the Web site, disregard the message and continue on to the Web site.

For more information, see the HP EWS online help.

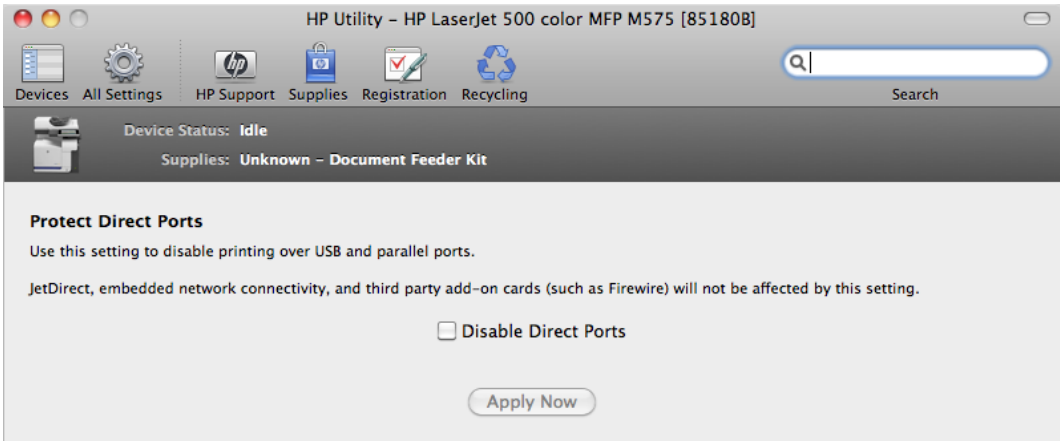
If a user name and password have been set, you might need to obtain them from your IT administrator. For more information, see the HP EWS online help.

The HP EWS opens to the **Networking** screen.

Protect Direct Ports

In the **Printer Settings** section of the HP Utility, select **Protect Direct Ports** to disable printing over USB and parallel ports. JetDirect, embedded network connectivity, and third-party add-on cards, such as FireWire, will not be affected by this setting.

Figure 4-30 Protect Direct Ports screen

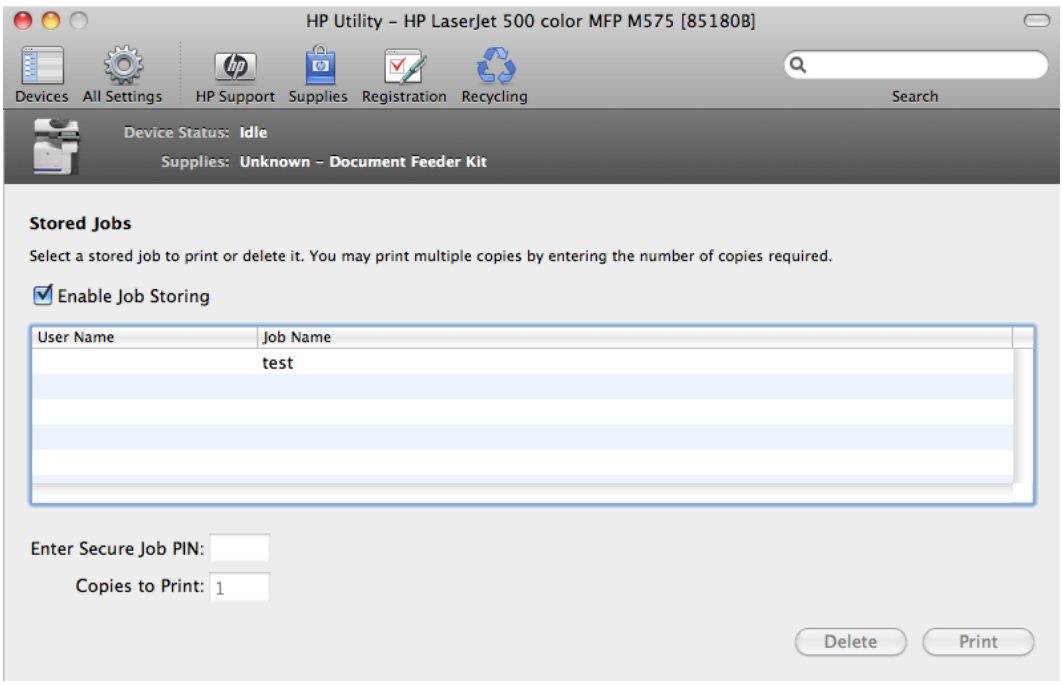


Click **Disable Direct Ports**.

Stored Jobs

In the **Printer Settings** section of the HP Utility, select **Stored Job** to change the **Enable Job Storing** setting. This setting is selected by default. Click to clear the check box to disable the job-storing feature.

Figure 4-31 Enable Job Storing screen



You can type a PIN for your job in the **Enter Secure Job PIN** field.

Select the number of copies in the **Copies to Print** field.

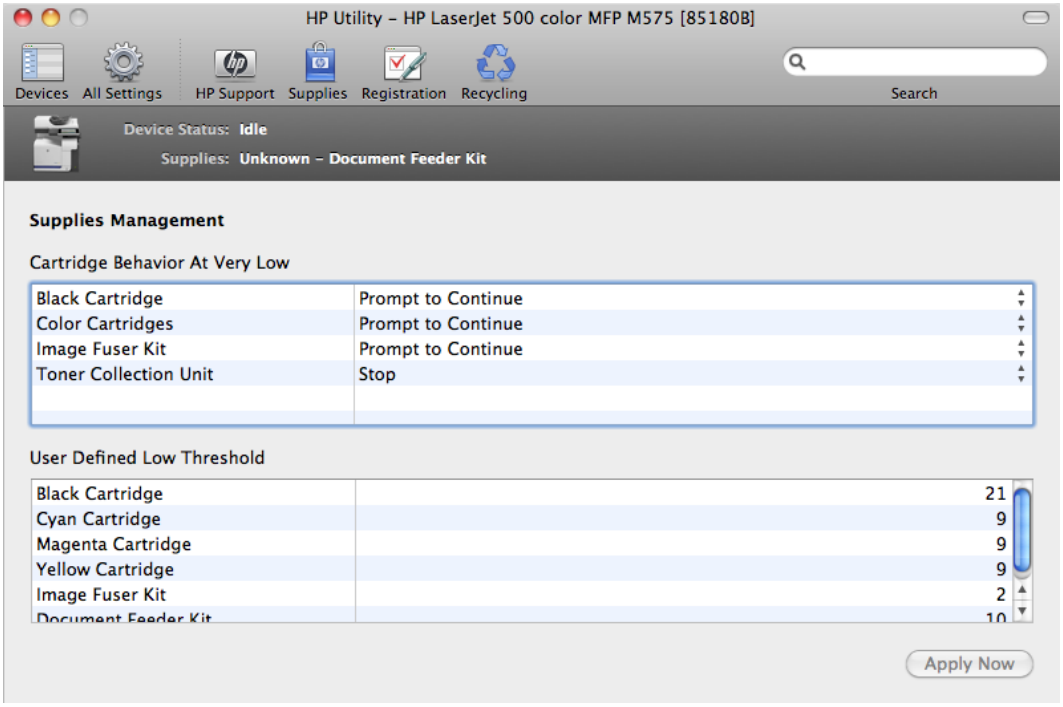
Select a stored job and click **Print** to print the job.

Select a stored job and click **Delete** to delete the job.

Supplies Management

In the **Printer Settings** section of the HP Utility, click **Supplies Management** to open the **Supplies Management** screen.

Figure 4-32 Replace Supplies screen



The **Supplies Management** screen allows you to define how the product responds when the supply states are **At Very Low** for cartridges and supplies. The **Supplies Management** screen also allows you to define when that very low message state or alert is given by setting the **User Defined Low Threshold** (the percentage of estimated supply life left, at which you want the product to alert you that the supply is low).

In the **Cartridge Behavior at Very Low** area, select one of the following actions for the product to take when the black cartridge, color cartridges, or other parts or kits, are **At Very Low**.

- **Stop**
- **Prompt to Continue**
- **Continue**

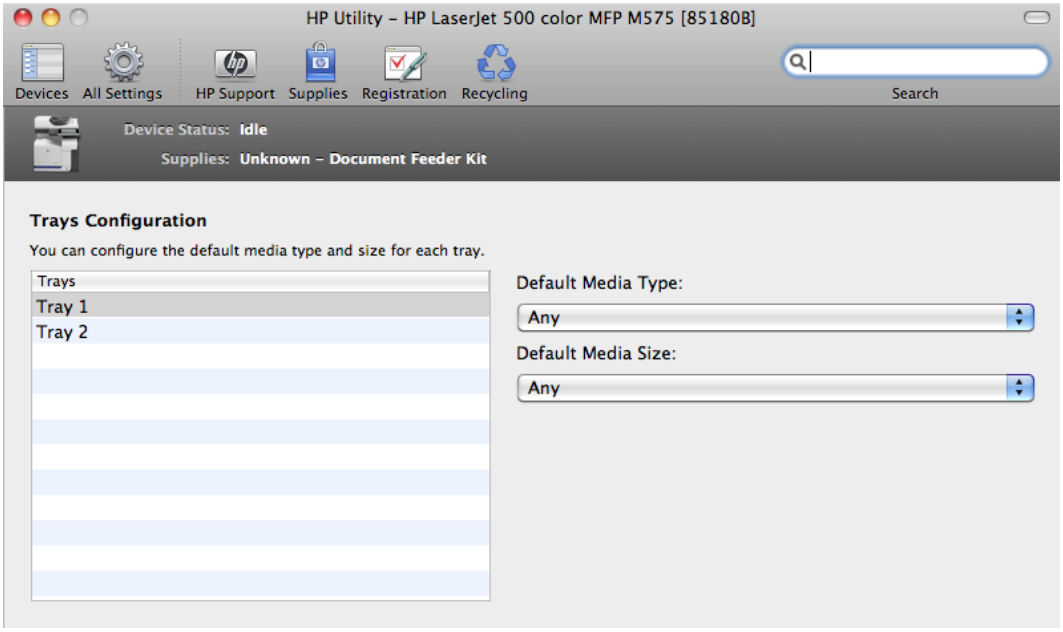
In the **User Defined Low Threshold** area, select a percentage life remaining next to the cartridge or document feeder kit to define the low threshold alert level for that cartridge or supply.

Click **Apply Now** to save the new settings.

Trays Configuration

The **Trays Configuration** screen is shown in the following figure.

Figure 4-33 Trays Configuration screen



1. In the **Printer Settings** section of the HP Utility, select **Trays Configuration** to change paper size and type for each of the trays installed on your product.
2. To change the paper type, select a tray and then select a different paper type in the **Default Media Type** drop-down menu.

NOTE: Some trays can detect the media size and might be grayed out.

3. To change the paper size, select a tray and then select a different paper size in the **Default Media Size** drop-down menu.

Additional Settings

In the **Printer Settings** section of the HP Utility, select **Additional Settings** to gain access to the HP EWS.

Figure 4-34 Additional Settings screen

To open the HP EWS, click **Open Embedded Web Server**.

NOTE: If your web browser displays a message stating that it cannot verify the identity of the Web site, disregard the message and continue on to the Web site.

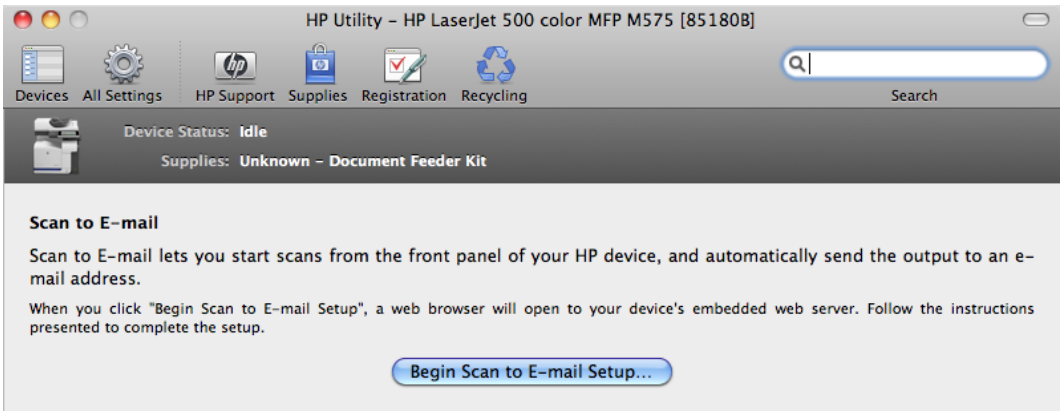
For information about HP EWS settings, consult the HP EWS online help.

Scan Settings

Scan to E-mail

In the **Scan to E-mail** section of the HP Utility, click the **Begin Scan to E-mail setup...** button to open the HP EWS and configure the scan to email settings.

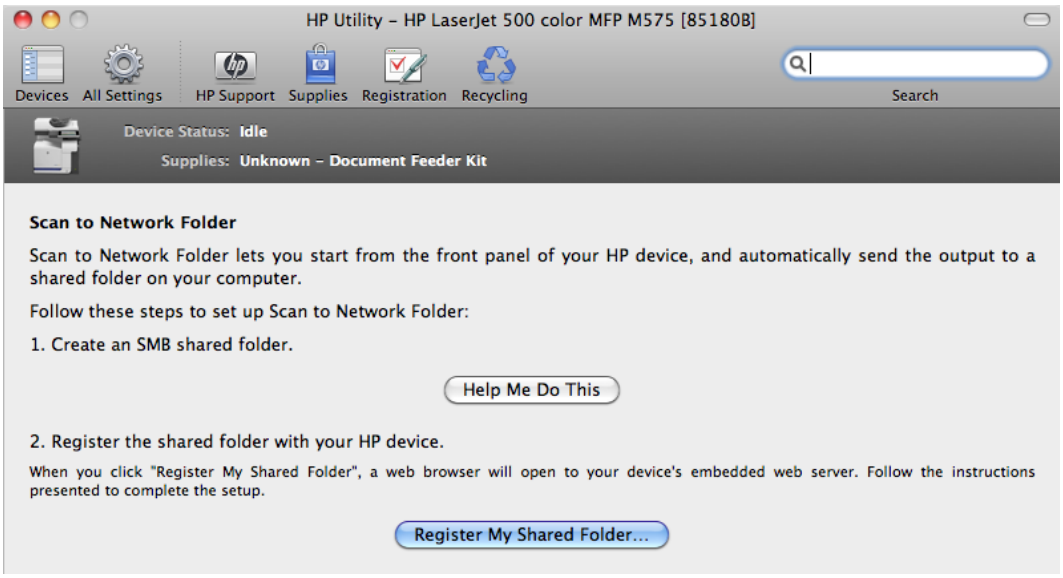
Figure 4-35 Scan to E-mail screen



Scan to Network Folder

Use the **Scan to Network Folder** section of the HP Utility to configure the scan to network folder settings.

Figure 4-36 Scan to Network Folder screen



5 Engineering details

Introduction

This chapter presents engineering detail for the following topics:

- Media attributes and commands
- File to E-mail utility

Media attributes and commands

This section includes the following information about paper attributes:

- Paper-source commands
- Paper-type commands examples

Paper-source commands

The PCL 6 print driver attribute for paper source is `ubyte # MediaSource` or `ubyte_array "string" MediaSource`. See the following table for values of #. For example, "`ubyte 4 MediaSource`" is the command for Tray 2.

The PCL 5 print driver escape sequence for paper source is `Esc&l#H` (the "l" is a lowercase "L" rather than the numeral "1"). See the following table for values of #. For example, `Esc&l1H` is the command for Tray 2.

NOTE: The HP LaserJet Enterprise 500 color MFP M575 or HP LaserJet Enterprise color flow MFP M575 products support Tray 1, Tray 2, and Tray 3.

Table 5-1 Paper-source commands

Input source	PCL 5 `Esc&l#H`	PCL 6 `ubyte # MediaSource`	PCL 6 `ubyte_array "string" MediaSource`	PostScript `/MediaPosition # or null/ ManualFeed true or false`
Automatically select	NA	NA	NA	NA
Printer auto select	7	1	AUTOSELECT	null false
Manual feed in tray 1	2	2	MANUALFEED	3 true
Tray 1 (100-sheet)	4	3	TRAY1	3 false
Tray 2 (250-sheet)	1	4	TRAY2	0 false
Tray 3 (500-sheet)	5	5	TRAY3	1 false

Paper-type commands examples

The PCL 5 print driver escape sequence for paper type is "Esc&n#Wdpapertype", where "n#" is the number of characters in the paper type plus 1. For example, in the sequence "Esc&n6WdPlain", "Plain" has 5 letters plus 1, for a total of 6.

Table 5-2 Paper-type commands

Esc&	n#	Wd	Paper type
Esc&	6	Wd	Plain
Esc&	11	Wd	Preprinted

Table 5-2 Paper-type commands (continued)

Esc&	n#	Wd	Paper type
Esc&	11	Wd	Letterhead
Esc&	13	Wd	Transparency[1]
Esc&	11	Wd	Prepunched
Esc&	7	Wd	Labels
Esc&	5	Wd	Bond
Esc&	9	Wd	Recycled
Esc&	6	Wd	Color
Esc&	6	Wd	Light
Esc&	13	Wd	Interpaperte
Esc&	6	Wd	Heavy
Esc&	12	Wd	Extra Heavy
Esc&	11	Wd	Cardstock[2]
Esc&	6	Wd	Rough
Esc&	7	Wd	Glossy
Esc&	12	Wd	Tough Paper
Esc&	9	Wd	Envelope

[1] You must spell out the word "Transparency" in the string, although it is abbreviated as TRNSPRNCY on the control panel.

[2] The correct command for cardstock is "Esc&n11WdCard Stock", with a space between the "d" and the "S", and with an uppercase "S".

File to E-mail utility

The File to E-mail utility collects the data specified in an .INI file and then attaches the data files to an email that can be sent to HP Customer Support to assist troubleshooting. The utility runs on the computer, but does not interact with the product.

The tool is included on the installer CD, but is *not* copied to the computer during the software installation. HP Customer Support can also send the utility by email or by posting it to an HP Web site.

The tool is compatible with Windows® XP, Windows Vista®, and Windows® 7.

The File to E-mail utility runs with any MAPI-compliant email applications. It does not run with Web-based email services such as Yahoo, Hotmail, or AOL.

Depending on the speed of the computer, it might take a few minutes for the utility to gather the log files and attach them to an email message.

The File to E-mail utility consists of two files that are located in the util folder on the product printing-system software CD:

- <CD-ROM drive>Utilities\FileToEmail.exe
- <CD-ROM drive>Utilities\FileToEmail.ini

To use the File to E-mail utility, copy these files to the desktop, navigate to them in Explorer, and double-click **FileToEmail.exe** to open the utility. The utility generates files, opens an email message, and attaches the files so that you can send them to the system administrator.

If the File to E-mail utility is not successful for any reason (for instance, if you cancel the new message or you are using Web-based email software), all the files are copied to a folder on the desktop that is named HpCCC, possibly with strings of zeros attached to the end. You can zip these files and email them separately.

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