

# HP M3027MFP/M3035MFP, M4345MFP, and M5025MFP/M5035MFP HP Embedded Web Server User Guide



For more languages, please visit: [www.hp.com/support/ews](http://www.hp.com/support/ews)



# HP Embedded Web Server

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User Guide



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# 1 Overview

## What is an embedded Web server?

A Web server provides an environment in which Web programs can run, in much the same way that an operating system, such as Microsoft® Windows®, provides an environment in which programs can run on your computer. A Web browser, such as Microsoft Internet Explorer, Apple Safari, or Mozilla Firefox, can show output from a Web server.

An *embedded* Web server resides on a hardware product (such as a printer) in the firmware, rather than as software that is loaded on a network server.

The advantage of an embedded Web server is that it provides an interface to the product that anyone who has a network-connected computer and a standard Web browser can open and use. No special software needs to be installed or configured.

With the HP Embedded Web Server (HP EWS), you can view product status information, change settings, and manage the product at your computer.



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**NOTE** In this guide, the terms "product" and "device" are used interchangeably. When products or devices are discussed in this guide, the information pertains to HP LaserJet printers or multifunction peripherals (MFPs), or HP Digital Senders. For specific information about the features that your printer, MFP, or digital sender supports, see the documentation that came with your product.

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## Features

You can use the HP EWS to view product and network status and to manage printing functions from your computer, rather than at the product control panel. With the HP EWS, you can perform these tasks:

- View control-panel messages and product-status information.
- Determine the remaining life for all supplies and configure specific ordering information for supplies.
- Gain access to the product's technical support page.
- Gain access to specific support for recent product events.
- Add up to five additional links or customize links to other Web sites.
- View and change product configuration, such as tray configurations.
- View and change network configuration.
- View and print information pages, such as the Configuration page.

- Receive alerts about product events, such as when the product is low on supplies, through e-mail. Set up four different destination lists for each user (administrators and service), with up to 20 recipients on each of the four lists.
- Select the language in which to display the HP EWS screens.
- Print to an HP product without having to install the product print driver.
- Conserve energy by scheduling the product sleep delay so that the product will go into sleep mode after a period of time of not being used.
- Schedule wakeup times for each day so that the product has finished initializing and calibrating by the time it is to be used.
- Send product configuration and supplies usage information periodically to your service provider.

## HP Web Jetadmin and the HP Embedded Web Server

HP Web Jetadmin is a Web-based system management tool that you can use with a Web browser. The HP EWS and HP Web Jetadmin work together to meet all of your product-management needs. You can use the software to install and manage networked products effectively. Network administrators can manage networked products remotely, from practically anywhere.

The HP EWS provides a simple, easy-to-use solution for one-to-one product management in environments that have a limited number of products. However, in environments that have several products, you might want to use HP Web Jetadmin to manage groups of products. With HP Web Jetadmin you can discover, manage, and configure multiple products simultaneously.

HP Web Jetadmin is available from HP online support (HP Web Jetadmin [www.hp.com/go/webjetadmin](http://www.hp.com/go/webjetadmin)).

## System requirements

In order to use the HP EWS, you must have the following components:

- A supported Web browser. Browsers that support embedded Web servers include (but are not limited to) the following:
  - Konqueror 3.0 or later
  - Microsoft Internet Explorer 6.0 or later
  - Mozilla Firefox 1.0 (and Mozilla derivatives)
  - Netscape Navigator 6.2 or later
  - Opera 7.0 or later
  - Safari 1.0 or later
- A transmission control protocol/Internet protocol-based (TCP/IP-based) network connection.
- An HP Jetdirect print server (embedded or enhanced input/output [EIO]) installed in the product.

## Opening the HP Embedded Web Server

Use the following procedure to open the HP EWS.



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**NOTE** You cannot view the HP EWS screens from outside of a firewall.

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1. Open a supported Web browser.
2. In the **Address** or **Go to** field, type the IPv4 or IPv6 TCP/IP address, the host name, or the configured host name that is assigned to the product. See the following examples.
  - IPv4 TCP/IP address: `http://192.168.1.1`
  - IPv6 TCP/IP address: `http://[2001:0ba0:0000:0000:0000:0000:0000:1234]`
  - Host name: `npiXXXX`
  - Configured host name: `http://www.[your_server].com`

If you do not know the TCP/IP address for the product, you can find it by using the control-panel menu or by printing a configuration page. For instructions, see the user guide that came with your product.

## Login and logoff

The HP EWS has screens that can be used to view product information and change configuration options. The screens that appear, and the settings on them, vary according to how you gain access to the HP EWS: as a general user, an information technology (IT) administrator, or a service provider. These passwords can be customized by an IT administrator or a service provider.

In a password-protected HP EWS, only the **Information** tab is available to users who do not log in by using the password. If no password has been set (which is the default), all of the tabs are visible.

If a password has been set, you must log on as an IT administrator or a service provider to gain access to the protected HP EWS tabs (**Settings**, **Digital Sending**, and **Networking**).



**NOTE** For information about changing passwords as an IT administrator, see [Security](#). If you are a service provider, see your product service guide.

### To log in as an administrator

Use the following procedure to log in to the HP EWS as an administrator.

1. After you open the EWS, click the **Log In** link in the upper-right corner of the screen.

The **Enter Network Password** dialog box appears, as shown in the following illustration. The appearance of the login screen might vary, depending on your operating system and browser.



**Figure 1-1** Enter Network Password dialog box

2. Type `admin` for the user name, type your password, and then click **OK**.

### To log off as an administrator

Use the following procedure to log off.

1. Click the **Log Off** link.
2. To complete the logoff, close the browser.



**CAUTION** If you do not close the browser, the connection to the product HP EWS continues to run and could pose security risks.

## Navigating through the HP Embedded Web Server

To navigate through the HP EWS screens, click one of the tabs (such as **Information** or **Settings**), and then click one of the menus on the navigation bar that is located on the left side of the screen.

The following illustration and table provide information about the HP EWS screens.



**NOTE** The appearance of the HP EWS screens might differ from the illustrations in this user guide, depending on the product features and the settings that your IT administrator has established.

The screenshot shows the HP Embedded Web Server interface for an HP LaserJet MFP. The top navigation bar includes tabs for Information, Settings, Digital Sending, and Networking, along with a Log Off button. The left sidebar contains a menu with options like Device Status, Configuration Page, Supplies Status, Event Log, Usage Page, Device Information, Control Panel, and Print. The main content area displays 'Device Status' with options for Sleep mode, Pause/Resume, and Continue. Below this is a 'Supplies' section showing toner levels for Black Cartridge, Maintenance Kit, and Document Feeder Kit. At the bottom is a 'Media' table with columns for Input/Output, Status, Capacity, Size, and Type.

Input/Output	Status	Capacity	Size	Type
Tray 1	OK	100 Sheets	Any Size	Any Type
Tray 2	OK	500 Sheets	Letter	Plain
Output Bin 1	OK	N/A	N/A	
Output Bin 2	OK	N/A	N/A	
Output Bin 3	OK	N/A	N/A	

**Figure 1-2** Sample HP EWS screen

**Table 1-1** HP Embedded Web Server

Callout	HP EWS screen feature	Description	More information
1	Product name and TCP/IP address	View the product name and Internet protocol (IP) address.	

**Table 1-1** HP Embedded Web Server (continued)

Callout	HP EWS screen feature	Description	More information
2	Tabs	<b>Information tab</b>	View information about the product. You cannot configure the product using the screens on this tab.  See <a href="#">Viewing product status from the HP EWS Information screens.</a>
		<b>Settings tab</b>	Use the features on this tab to configure the product.  See <a href="#">Configuring the product from the Settings screens.</a>
		<b>Digital Sending tab</b>	Use the features on this tab to configure the digital sending capabilities.  See <a href="#">Setting the digital sending options.</a>
		 <b>NOTE</b> If the Digital Sending Software (HP DSS) has been installed, the digital sending options must be configured by using the HP MFP DSS Configuration Utility.	
3	Menus	<b>Networking tab</b>	View network status and configure the network settings.  See <a href="#">Managing network operation from the Networking screens.</a>
		Different on each tab	Click a tab to show the menus.
4	Other Links	<b>hp instant support</b>	Connect to a set of Web resources that help solve problems and describe the additional services that are available for your HP product.  <ul style="list-style-type: none"> <li>• See <a href="#">Using the Other Links as a resource.</a></li> <li>• See <a href="#">hp instant support</a>.</li> <li>• See <a href="#">Product Support</a>.</li> </ul>
		<b>Shop for Supplies</b>	Use the Internet to order genuine HP supplies for your HP product.  <ul style="list-style-type: none"> <li>• See <a href="#">My Service Provider and My Service Contract.</a></li> </ul>
		<b>Product Support</b>	Use product-specific help from the HP Web site to solve a problem.
5	Log In/Log Off	Different for each type of user	Log in as an IT administrator or service provider.  See <a href="#">Login and logoff.</a>
6	Screen	Different for each menu item	Click a menu item to show a screen.  <ul style="list-style-type: none"> <li>• See <a href="#">Viewing product status from the HP EWS Information screens.</a></li> <li>• See <a href="#">Configuring the product from the Settings screens.</a></li> <li>• See <a href="#">Managing network operation from the Networking screens.</a></li> </ul>

## 2 Viewing product status from the HP EWS Information screens

The screens available from the **Information** tab are for informational purposes only; you cannot configure the product from these screens. To configure the product through the HP EWS, see [Configuring the product from the Settings screens](#).



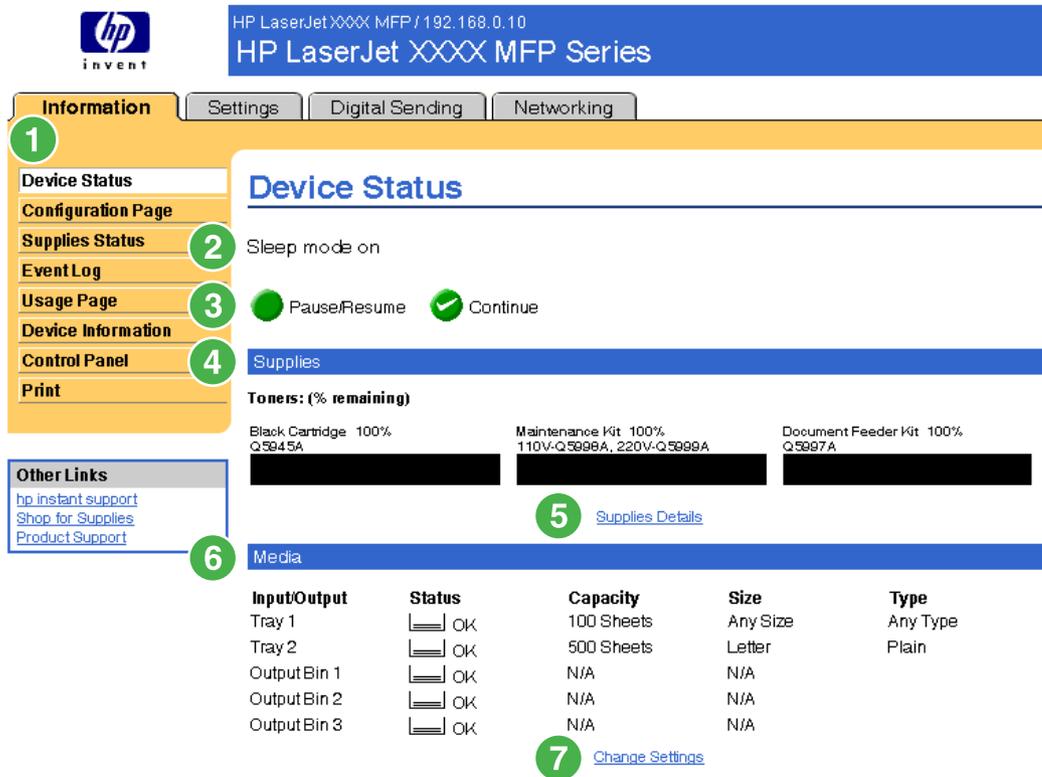
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**NOTE** Some products do not support all of these screens.

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# Device Status

Use the **Device Status** screen to view the current status of the product. The following illustration and table describe how to use this screen.



**Figure 2-1** Device Status screen

**Table 2-1** Device Status

Callout	Area on the screen	Information or capability that the area provides
1	HP EWS tabs and menus	For more information, see <a href="#">Navigating through the HP Embedded Web Server</a> .
2	Status	Shows the device status (the same information that appears on the control-panel display).
3	Control-panel buttons	Use these control-panel buttons just as you would at the product. To select which control-panel buttons appear on this screen, go to the <b>Security</b> screen on the <b>Settings</b> tab.
4	Supplies	Shows the percentage of life remaining for each supply.
		 <b>NOTE</b> The HP EWS also displays the status information for the staples cartridge for the HP LaserJet M5025mfp and the HP LaserJet M5035mfp products only.
5	Supplies Details	Opens the <b>Supplies Status</b> screen, where you can view information about product supplies.
6	Media	Shows the status and configuration information for the input trays and output bins.

**Table 2-1** Device Status (continued)

Callout	Area on the screen	Information or capability that the area provides
		<p>The media status is <b>OK</b> until the tray is completely empty. When the tray is empty, the status is <b>Out</b>.</p> <hr/> <p> <b>NOTE</b> The HP EWS also displays the status information for the stacker bin for the HP LaserJet M5025mfp and the HP LaserJet M5035mfp products only.</p> <hr/>
7	Change Settings	Opens the <b>Other Settings</b> screen, where you can change the paper-type settings.

## Configuration Page

Use the **Configuration Page** screen to view current product settings, help troubleshoot problems, and verify the installation of optional accessories such as dual inline memory modules (DIMMs). The following illustration and table describe how to use this screen.



- 1 Device Status
  - 2 Configuration Page
  - Supplies Status
  - Event Log
  - Usage Page
  - Device Information
  - Control Panel
  - Print
- Other Links**
- [hp instant support](#)
  - [Shop for Supplies](#)
  - [Product Support](#)

## Configuration Page

### Device Information

Product Name:	HP LaserJet XXXX MFP
Device Name:	HP LaserJet XXXX MFP
Model Number:	CXXXXA
Device Serial Number:	XXXXXXXXXX
Formatter Number:	formatter00
DC Controller:	17
CPB:	2.065 (0.0)
SCB:	CMNPSL.2.8
Firmware Datecode:	20060509 20060508
Service ID:	00000
PS Wait Time-out:	300 seconds
Engine Cycles:	7
Preventive Maintenance Interval:	225000
Pages Since Last Maintenance:	7
Document Feeder Kit Interval:	90000
Pages Since Last Doc Feeder Maintenance:	0

### Installed Personalities and Options

PCL	(20010402)
PCLXL	(20010402)
POSTSCRIPT	(20010402)
PDF	(20050131)
DIMM Slot 1:	Empty
DIMM Slot 2:	Side 1: Unsupported
Card Slot 1:	Empty
Card Slot 2:	Empty
EIO 1:	HP JetDirect J7961G 192.168.0.10
EIO 2:	HP Scanner Processor Card
Internal Disk:	FUJITSU MH: 37 GB
Internal Fax:	
Disk Storage:	38154 MB Capacity
LDAP Gateway:	Not Configured
SMTP Gateway:	Not Configured
hp MFP Digital Sending Server:	Not Configured

### Memory

Installed DIMM Memory:	0 MB
On Board Memory:	
System:	0 MB
Imaging:	0 MB
Total RAM:	0 MB
DWS:	6.00

Automatic resource saving enabled

### Security

Control Panel Lock:	None
Control Panel Password:	Disabled
Device Type: Disk:	Write Protect: Disabled
File System Access:	
PJL:	Enabled
PML:	Enabled
NFS:	Enabled
PostScript:	Enabled
Secure Disk Erase Mode:	Non-secure fast erase
Direct Ports (USB/IEEE 1284):	Enabled

### Paper Trays and Options

Default Paper Size:	Letter
Tray 1 Size:	Any Size
Tray 1 Type:	Any Type
Tray 2 Size:	Letter
Tray 2 Type:	Plain

**Internal**

Input Trays:

- 1: TRAY 1, 100 Sheets
- 2: TRAY 2, 500 Sheets

**Device 1:**

HEWLETT-PACKARD  
FUNCTION SEPARATOR [MP02.22] Q5692A

Output Bins:

- 1: Output Bin 1, 100 Sheets, Face Up/Down
- 2: Output Bin 2, 100 Sheets, Face Up/Down
- 3: Output Bin 3, 500 Sheets, Face Up/Down

Figure 2-2 Configuration Page screen

**Table 2-2** Configuration Page

Callout	Area on the screen	Information or capability that the area provides
1	HP EWS tabs and menus	For more information, see <a href="#">Navigating through the HP Embedded Web Server</a> .
2	Device Information	Lists the serial number, version numbers, and other information for the device.
3	Installed Personalities and Options	<p>Lists:</p> <ul style="list-style-type: none"> <li>• Version and TCP/IP address for all network devices connected to the product (Jetdirect or internal Jetdirect)</li> <li>• All of the printer languages that are installed (such as printer command language [PCL] and PostScript® [PS])</li> <li>• Options that are installed in each DIMM slot and EIO slot</li> <li>• USB devices that can be connected to a printer used as a host USB controller, such as mass storage devices, card swipes, or keypads</li> </ul> <p> <b>NOTE</b> The LDAP Gateway and DSS Server entries do not appear for the HP LaserJet M3027mfp and M5025mfp products.</p>
4	Memory	Lists the memory information, PCL Driver Work Space (DWS), and resource saving information.
5	Security	<p>Lists the status of the control-panel lock, disk write-protect options, and direct-connect (USB or parallel) ports.</p> <p>You can change the status of the Direct Connect ports on the <b>Security</b> screen under the <b>Settings</b> tab by selecting or clearing the <b>Disable Direct Ports</b> check box.</p>
6	Paper Trays and Options	Lists the size and type of media that is specified for each of the trays in the product. If a duplexing unit or any paper-handling accessories are installed on the product, information about those devices is also listed here.

# Supplies Status

The **Supplies Status** screen shows more detailed supplies information and provides part numbers for genuine HP supplies. (It is helpful to have the part numbers available when ordering supplies.) The following illustration and table describe how to use this screen.

The screenshot shows the HP Embedded Web Server interface for an HP LaserJet XXXX MFP Series. The top navigation bar includes 'Information', 'Settings', 'Digital Sending', and 'Networking'. The 'Supplies Status' page is active, showing a sidebar with navigation options like 'Device Status', 'Configuration Page', 'Supplies Status', 'Event Log', 'Usage Page', 'Device Information', 'Control Panel', and 'Print'. The main content area is titled 'Supplies Status' and includes 'Ordering Information' with instructions on how to order supplies. Three supply status boxes are shown: a Black Cartridge (100% remaining, 17227 pages), a Maintenance Kit (100% remaining), and a Document Feeder Kit (100% remaining). A 'Return & Recycling' section at the bottom provides instructions on returning supplies.

**Figure 2-3** Supplies Status screen

**Table 2-3** Supplies Status

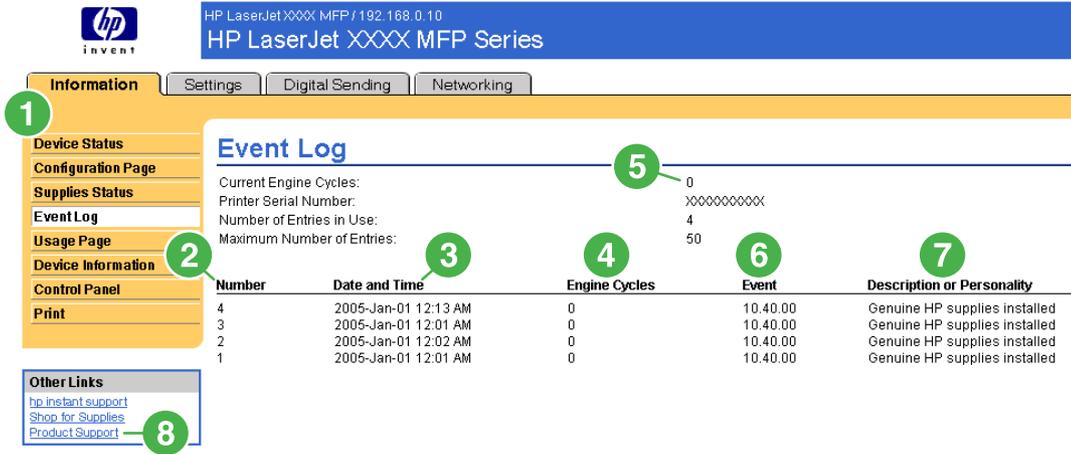
Callout	Area on the screen	Information or capability that the area provides
1	HP EWS tabs and menus	For more information, see <a href="#">Navigating through the HP Embedded Web Server</a> .
2	Shop for Supplies link	Use this feature to connect to a Web page that facilitates online ordering of supplies from a reseller of your choice.
3	Print Cartridge Information	If available, this lists the percent of life remaining and the estimated number of pages remaining before the supply is empty; the total number of pages that have been processed with the supply; the supply serial number and HP part number; and an indication of whether or not the supply has reached the low status.  If the <b>Override at Out</b> option has been enabled at the product control panel, a message appears, when the supply is exhausted, stating that the cartridge was used with the override setting.

**Table 2-3** Supplies Status (continued)

Callout	Area on the screen	Information or capability that the area provides
		 <b>NOTE</b> If a non-HP supply is used, information about the device might not be available. In addition, a warning message about the risks associated with using non-HP supplies could appear on the screen. No further information about the status of the supply will be available.
4	Long-Life Supplies Information	If available, this lists the percent of life remaining and the estimated number of pages remaining with the supply.   <b>NOTE</b> Status information for the staples cartridge also appears in this area for the HP LaserJet M5025mfp and the HP LaserJet M5035mfp products only.

# Event Log

The **Event Log** screen shows the most recent product events, including jams, service errors, and other printer errors. The following illustration and table describe how to use this screen.



**Figure 2-4** Event Log screen

**Table 2-4** Event Log

Callout	Area on the screen	Information or capability that the area provides
1	HP EWS tabs and menus	For more information, see <a href="#">Navigating through the HP Embedded Web Server</a> .
2	Number	Lists the order in which the errors occurred. The last error to occur has the highest number.
3	Date and Time	Lists the date and time for each event logged.
4	Engine Cycles	Shows the number of engine cycles that the product had completed when the error occurred. The product completes one engine cycle for every Letter/A4-size page side that it prints or copies.
5	Current Engine Cycles	Shows the number of engine cycles that the product has completed to date.
6	Event	Shows the internal event code for each event.
7	Description or Personality	Shows a brief description of some events.
8	Product Support link	Provides access to the HP support Web site for product-specific troubleshooting information.

## Usage Page

The **Usage Page** screen gives a page count for each size of media that has passed through the product, as well as the number of duplexed pages. The total is calculated by multiplying the sum of the print count values by the Units value.

The information on this screen can be used to determine how much toner or paper to keep on hand. The following illustration and table describe how to use this screen.



Information Settings Digital Sending Networking

**1** Information

- Device Status
- Configuration Page
- Supplies Status
- Event Log
- Usage Page**
- Device Information
- Control Panel
- Print

**Other Links**

- [hp instant support](#)
- [Shop for Supplies](#)
- [Product Support](#)

## Usage Page

### Device Information

Printer Serial Number: XXXXXXXXXX  
Device Name: HP LaserJet XXXX MFP

### Usage Totals (equivalent)

Printer Page Size	Simplex Count	Simplex Units	Total
Letter	7	1.0	7.0
Legal	0	1.3	0.0
A4	0	1.0	0.0
Executive	0	0.8	0.0
Envelope #10	0	0.4	0.0
Envelope Monarch	0	0.3	0.0
Envelope C5	0	0.6	0.0
Envelope DL	0	0.4	0.0
B5 (JIS)	0	0.7	0.0
Envelope B5	0	0.7	0.0
Custom	0	1.0	0.0
DPostcard(JIS)	0	1.0	0.0
A5	0	0.5	0.0
16K	0	0.8	0.0
8.5x13	0	1.1	0.0
Statement	0	0.5	0.0
<b>Total Printer Usage</b>			<b>7.0</b>

Total Copy Pages Printed: 0  
Total Fax Pages Printed: 0

### Scanned (Copy, Send, & Fax)

Page Size	Simplex Count	Simplex Units	Duplex Count	Duplex Units	Total
Letter	0	1.0	0	2.0	0.0
Legal	0	1.3	0	2.6	0.0
A4	0	1.0	0	2.0	0.0
Executive	0	0.8	0	1.6	0.0
B5 (JIS)	0	0.7	0	1.4	0.0
Custom	0	1.0	**	**	0.0
A5	0	0.5	0	1.0	0.0
8.5x13	0	1.1	0	2.2	0.0
Statement	0	0.5	0	1.0	0.0
<b>Total Scanner Usage</b>					<b>0.0</b>

Copy Job Scan Count: 0  
Send Job Scan Count: 0  
ADF Simplex Pages: 0  
ADF Duplex Pages: 0  
ADF Total Pages: 0  
Flatbed Scan Count: 0

### Print Modes & Paper Path Usage (actual)

#### Print Modes Usage

Print Mode	Total
Normal	7
High1	0
High2	0
Low1	0
Low2	0
<b>Total</b>	<b>7</b>

#### Paper Path Usage

Source	Count	Destination	Count
Envelope Feeder	0	Face Up	0
Manual Feed Tray	0	Face Down	0
Tray 1	5	External Bin	7
Tray 2	2	Other	0
Tray 3	0	<b>Total</b>	<b>7</b>
External Tray	0		
Other	0		
<b>Total</b>	<b>7</b>		

### Historical Device Coverage

Coverage 10.942%

Figure 2-5 Usage Page screen

**Table 2-5** Usage Page

Callout	Area on the screen	Information or capability that the area provides
1	HP EWS tabs and menus	For more information, see <a href="#">Navigating through the HP Embedded Web Server</a> .
2	Usage Totals (equivalent)	Indicates the types of pages that have been printed, the number of single-sided pages that have been printed, the number of duplexed pages that have been printed, and the total number of pages that have been printed.
3	Units	A unit is equal to a standard A4-size (letter-size) page. All other page sizes are referenced in relation to this standard size. An A4-size (letter-size) page printed on both sides counts as 2 units.
4	Duplex 1 Image	"Duplex 1 image" refers to pages that are printed as part of a duplexed print job, but which are blank on the second side.
5	Print Modes & Paper Path Usage (actual)	Indicates the different print modes that have been used for color and monochrome (black-and-white) print jobs.
6	Historical Printer Coverage	Indicates the average amount of toner that is used on each printed page.

# Device Information

The **Device Information** screen shows the following information:

- Device name
- Device location
- Asset number
- Company name
- Contact person
- Product name
- Device model
- Device serial number

The product name, device model, and device serial number are generated automatically. You can configure the other information on this screen from the **Device Information** screen on the **Settings** tab.

HP LaserJet XXXX MFP / 192.168.0.10  
HP LaserJet XXXX MFP Series

Information Settings Digital Sending Networking

**Device Information**

Device Name	HP LaserJet XXXX MFP
Device Location	
Asset Number:	
Company Name:	
Contact Person:	
Product Name:	HP LaserJet XXXX MFP
Device Model	CXXXXA
Device Serial Number	XXXXXXXXXX

**Other Links**

- [hp instant support](#)
- [Shop for Supplies](#)
- [Product Support](#)

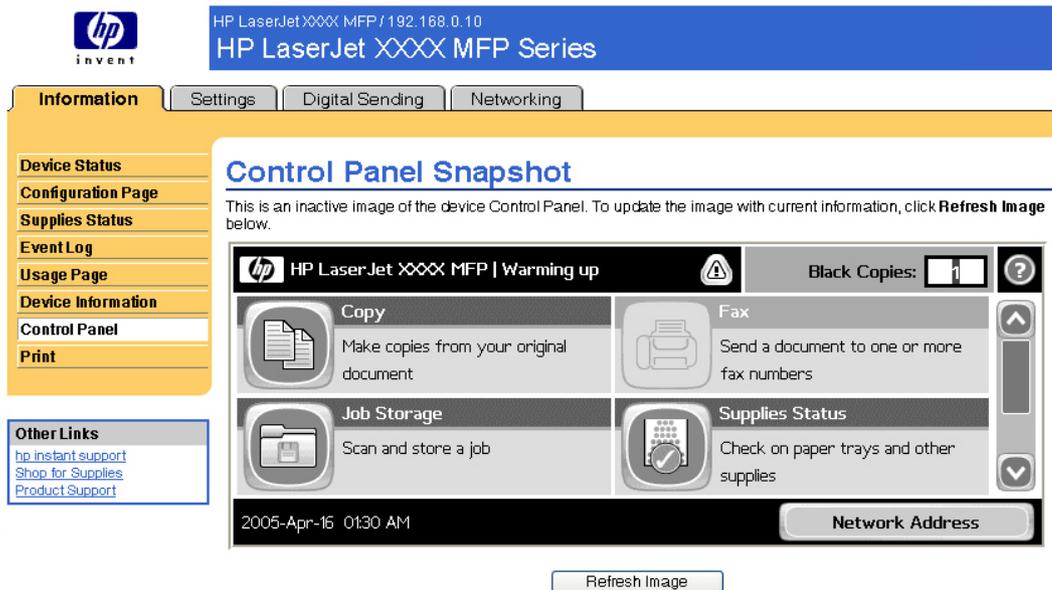
**Figure 2-6** Device Information screen

# Control Panel

The **Control Panel** screen shows the product control-panel display as if you were standing at the product. Because this view shows the product status, it can help you troubleshoot problems with the product.



**NOTE** The appearance of the screen might vary, depending on your product.



**Figure 2-7** Control Panel screen

# Print



**NOTE** The **Print** screen (and the **Print** menu on the left) is available only if it has been configured to appear on the **Security** screen under the **Settings** tab. Use the **Security** screen to disable the **Print** screen if you do not want it to appear for security reasons. For more information, see [Security](#).

Use the **Print** screen to print print-ready files or to update your product firmware remotely.

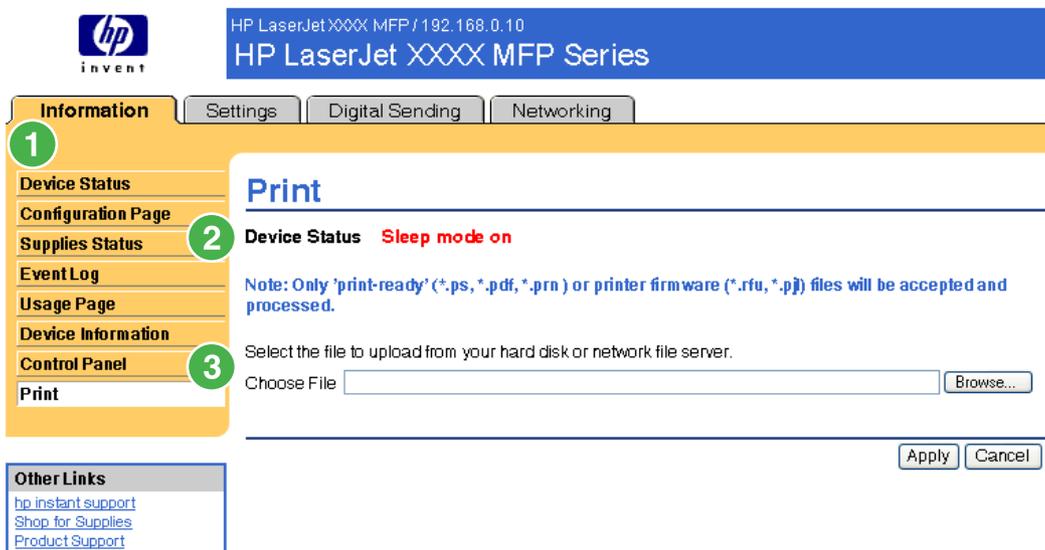
You can use the **Print** screen to print one file at a time from a product that supports the HP EWS. This feature is especially useful if you are a mobile user, because you do not have to install the product's print driver in order to print; you can print anywhere at any time.

You can print print-ready files, such as documents that have been generated by using a "print to file" driver option. Print-ready files commonly have file name extensions such as .PS (postscript), .PDF (Adobe Portable Document Format), and .PRN (Windows print-ready File).

You can also use the **Print** screen to update your product firmware. This feature is especially useful because you do not have to install additional software in order to update the product firmware. When updated firmware files are available for your product, you can download them your product support Web site:

- [www.hp.com/go/LJM3027mfp\\_firmware](http://www.hp.com/go/LJM3027mfp_firmware)
- [www.hp.com/go/LJM3035mfp\\_firmware](http://www.hp.com/go/LJM3035mfp_firmware)
- [www.hp.com/go/LJM4345mfp\\_firmware](http://www.hp.com/go/LJM4345mfp_firmware)
- [www.hp.com/go/LJM5025mfp\\_firmware](http://www.hp.com/go/LJM5025mfp_firmware)
- [www.hp.com/go/LJM5035mfp\\_firmware](http://www.hp.com/go/LJM5035mfp_firmware)

The following illustration and table describe how to use this screen.



**Figure 2-8** Print screen

**Table 2-6** Print page

Callout	Area on screen	Information or capability that the area provides
1	HP EWS tabs and menus	For more information, see <a href="#">Navigating through the HP Embedded Web Server</a> .
2	Device Status	Shows the device status (the same information that appears on the <b>Device Status</b> screen and the control-panel display).
3	Choose File	Prints a file that is located on your laptop, computer, or a network file server.

## Printing a file or updating firmware from the Print screen

Use the following procedure to print a file or update product firmware from the **Print** screen.

1. Select a file that resides on your machine or on your network by clicking **Browse** to browse to a file that you want to print.
2. Click **Apply**.

# 3 Configuring the product from the Settings screens

Use the screens on the **Settings** tab to configure the product from your computer.



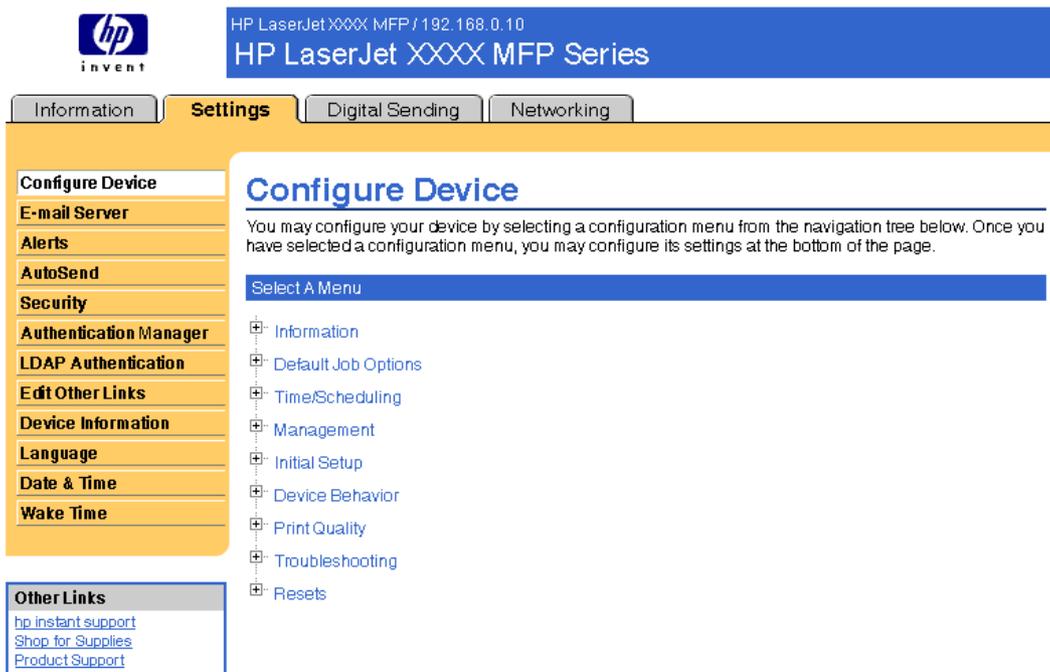
**NOTE** Some products do not support all of these screens.

## Configure Device

You can use the **Configure Device** screen to print device information pages and configure the device remotely.

The menus on this screen are similar to the menus that are available at your device control panel. Some of the device control-panel menus are not available from the HP EWS. See the documentation that came with your device for more information about the different menus that your device supports.

The following illustration, table, and example procedure describe how to use this screen.



**Figure 3-1** Configure Device screen

**Table 3-1** Configure Device

Callout	Area on the screen	Information or capability that the area provides
1	HP EWS tabs and menus	For more information, see <a href="#">Navigating through the HP Embedded Web Server</a> .
2	Select A Menu	<p><b>INFORMATION</b> menu      Print device information pages, which provide details about the device and its configuration.</p> <p><b>FAX</b> menu                      Configure the fax settings and get reports about fax activity.</p> <p><b>PAPER HANDLING</b> menu      Set the type of media that is in each tray.</p> <p><b>CONFIGURE DEVICE</b> menu    Configure the device to affect the device behavior. For example, you can configure device personality settings from this menu, such as print-quality settings or destination bins.</p> <p><b>DIAGNOSTICS</b> menu            Get information about the device that you can use to troubleshoot problems.</p>
3	Plus sign (+)	Click the plus sign next to a menu, or click the menu itself, to see the submenus or subentries.
4	<b>PAUSE</b>	Select this check box to pause the device.

## Using the menus on the Configure Device screen

The following procedure is provided *only* as an example. Similar procedures can be used to set other menu items.

Follow these steps to print a configuration page (example procedure).

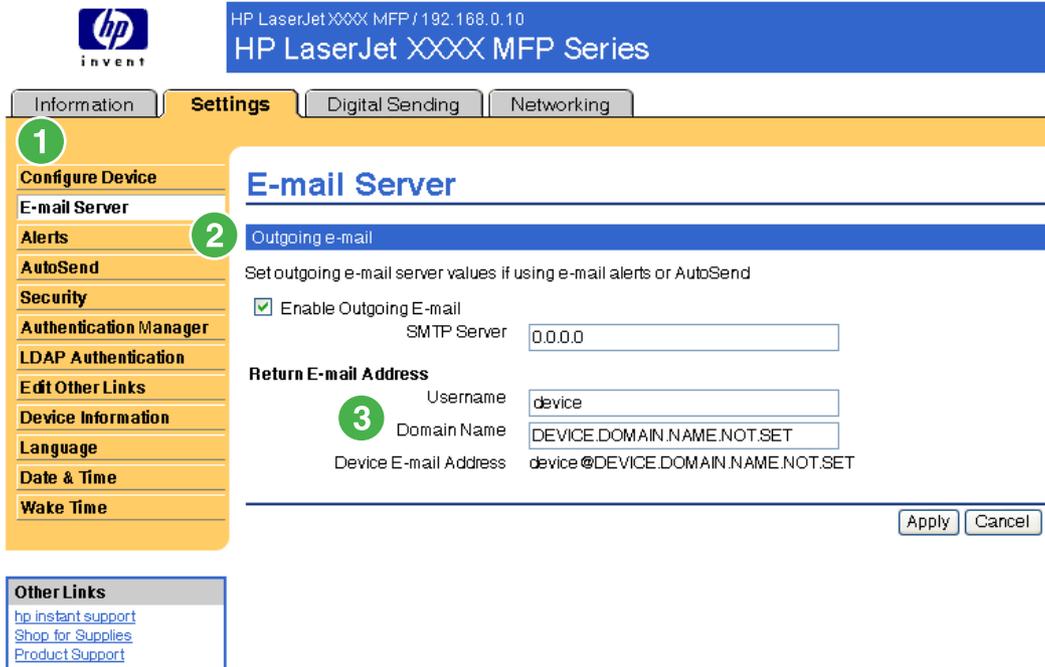
1. Click **INFORMATION**.
2. Select the check box for the information page that you want to view or print, and then click **Apply**.



**NOTE** Print drivers and software programs frequently override selections that are made on the **Printing** menu and the **Paper Handling** menu. For more information, see the user guide that came with your product. Any changes are reflected on the **Device Status** screen, the **Configuration Page** screen, and the **Paper Handling** menu.

# E-mail Server

Use the **E-mail Server** screen to configure e-mail settings for outgoing e-mail. Use the settings on this screen to send and receive e-mail messages, including product alerts. The following illustration, table, and procedures describe how to use this screen.



**Figure 3-2** E-mail Server screen

**Table 3-2** E-mail Server

Callout	Area on the screen	Information or capability that the area provides
1	HP EWS tabs and menus	For more information, see <a href="#">Navigating through the HP Embedded Web Server</a> .
2	Outgoing e-mail	Configure outgoing e-mail if you intend to use the Alerts or AutoSend features. For more information, see <a href="#">Using the Alerts screen with a product</a> .
3	Return E-mail Address	This is the device's e-mail address that appears in device alerts. For more information, see <a href="#">Configuring the return e-mail address</a> .

## Configuring outgoing e-mail

You must configure outgoing e-mail if you intend to use the Alerts or AutoSend features.

1. Gather the following information. (Your organization's network or e-mail administrator typically provides the information that is required to configure outgoing mail.)
  - The TCP/IP address of the simple mail transfer protocol (SMTP) mail server on your network. The EWS uses the SMTP server TCP/IP address to relay e-mail messages to other computers.
  - The e-mail domain name suffix that is used to address e-mail messages within your organization.
2. Select the **Enable Outgoing E-mail** check box.
3. Type the SMTP server TCP/IP address in the **SMTP Server** text box.
4. Type the domain name in the **Domain Name** text box.
5. Click **Apply** to save the changes.

## Configuring the return e-mail address

When you configure the return e-mail address on the **E-mail Server** page, you are configuring the identity of the product. For example, if you type *anyone* in the **Username** field and *your . company . com* in the **Domain Name** field, all e-mails sent out by the product will come from *anyone@your . company . com*. In this example, *anyone@your . company . com* is the identity of the product.

# Alerts

From the **Alerts** screen, IT administrators can set up the product to send problem and status alerts to anyone through e-mail messages. When this function is configured, alerts are automatically triggered about supplies, paper-path status, and other service and advisory information. More than one individual can receive alerts, with each person receiving only specific alerts. For example, an administrative assistant might be responsible for ordering print cartridges or fixing jams, and could receive advanced warning when toner is low or a jam occurs. Similarly, the long-life supplies might be handled by an external service provider, who could receive alerts about performing product maintenance, loading the front or rear stapler, and similar needs.



**NOTE** A user can create up to four different destination lists, with up to 20 recipients on each list.

By selecting the **Remove Control Panel Supplies Status Messages** option (available on the **Alerts - setup** screen that appears when you press the **New Destination List** button), you can suppress the **Cartridge low** or **Cartridge out** supplies status messages on the control panel. The message is suppressed at the control panel only if one or both of these alerts has first been selected to be received.

The following illustration, table, and procedures describe how to use this screen to edit, test, and delete destinations and destination lists.



**NOTE** In order for alerts to function, outgoing e-mail must be enabled. To enable outgoing mail, see [Configuring outgoing e-mail](#).

HP LaserJet XXXX MFP / 192.168.0.10  
HP LaserJet XXXX MFP Series

Information **Settings** Digital Sending Networking

**1** Configure Device  
E-mail Server  
**Alerts**  
AutoSend  
Security  
Authentication Manager **2**  
LDAP Authentication  
Edit Other Links  
Device Information  
Language  
Date & Time  
Wake Time

**Alerts**

Alerts are currently configured for the following destination lists. To make changes, click the appropriate button next to the list. Move the pointer over a button for more information.

**Note:** In order for alerts to function, outgoing mail must be configured on the E-mail Server page.

List Name	Alert Destinations	Selected Alerts	Attachments (optional)
anyone@your.com	anyone@your.com	Order Cartridge Replace Cartridge Non-HP Supply Installed Remove Paper Jam Close Drawers, Doors And Covers Tray Open Tray Empty (Load) ADF Paper Jam	

**3** Edit **4** Test **5** Delete

**6** New Destination List

**Other Links**  
[hp instant support](#)  
[Shop for Supplies](#)  
[Product Support](#)

**Figure 3-3 Alerts screen**

**Table 3-3** Alerts

Callout	Area on the screen	Information or capability that the area provides
1	HP EWS tabs and menus	For more information, see <a href="#">Navigating through the HP Embedded Web Server</a> .
2	Destination list summary	Lists the current selections for each destination.
3	Edit	Click this button to make changes to the destination or destination list.
4	Test	Click this button to send a test alert to the destination or destination list.
5	Delete	Click this button to delete the destination or destination list.
6	New Destination List	Click this button to define the settings for a new destination list for alerts.

## Using the Alerts screen with a product

You can set up four different lists, with up to 20 recipients on each list.

The **Alerts - setup** screen that appears when you click either **Edit** or **New Destination List** looks similar to the following illustration.



Information **Settings** Digital Sending Networking

**Configure Device**  
E-mail Server  
Alerts  
AutoSend  
Security  
Authentication Manager  
LDAP Authentication  
Edit Other Links  
Device Information  
Language  
Date & Time  
Wake Time

**Other Links**  
[hp instant support](#)  
[Shop for Supplies](#)  
[Product Support](#)

## Alerts - setup

**Step 1: Type the list name**  
Type a name for your destination list.  
List Name:

**Step 2: Type the alert destinations**  
Type a maximum of 20 alert destinations in any of the following forms:  
An e-mail address (e.g., your-name@your-company.com)  
A mobile device (e.g., 208-555-5555@mobile-company.net)  
A posting to a website (e.g., <http://www.your-server.com>)

Separate alert destinations using a semi-colon (;) or a comma (,).

Alert Destinations:

**Step 3: Select Alerts**  
Select the alerts that you would like the alert destinations to receive. The most common alerts are listed here.

Alert Name	Selected	Threshold*
Order Cartridge	<input type="checkbox"/>	10 (0-100) percent
Replace Cartridge	<input type="checkbox"/>	
Non-HP Supply Installed	<input type="checkbox"/>	
Remove Paper Jam	<input type="checkbox"/>	2 minutes elapsed
Close Drawers, Doors And Covers	<input type="checkbox"/>	2 minutes elapsed
Tray Open	<input type="checkbox"/>	2 minutes elapsed
Tray Empty (Load)	<input type="checkbox"/>	2 minutes elapsed
ADF Paper Jam	<input type="checkbox"/>	2 minutes elapsed

\* Changes to threshold values apply to all destinations for this device.

**Additional Alerts**  
To view all of the alerts for this product, click the **Show All Alerts** button.  
**Note:** Clicking this button saves your current changes and opens the page that lists all of the alerts options.

**Step 4: Select Control Panel Messages to Suppress**  
Select the message(s) below that you do not want to show on the device control panel. The option is available only if the corresponding e-mail alert has been selected in the previous step.

Order and Replace Cartridge

**Step 5: Select e-mail attachments (optional)**  
Select the attachments that you want to include with each e-mail alert message in this destination list. Go to the **Information** tab to see examples of these pages.

Supplies Status Page  
 Usage Page  
 Configuration Page  
 Event Log Page

Select this option if one of the alert destinations you have chosen to receive alerts is an automated computer system.  
 XML Data

Figure 3-4 Alerts - setup screen



**NOTE** Order staples cartridge and Replace staples cartridge also appear on the list of available alerts for the HP LaserJet M5025mfp and the HP LaserJet M5035mfp products only.

## To configure alerts

1. Do one of the following:

- To create a new destination list, click **New Destination List**.

-Or-

- To modify an existing destination list, click **Edit** next to the list that you want to modify.

The **Alerts - setup** screen appears.

2. Type a name in the **List Name** field, such as Service or Supplies.

3. Type the e-mail addresses for people who you want to receive alerts. In large environments, system administrators can route e-mail addresses to list servers, URLs, and mobile devices for expanded alerts. Add multiple destinations by separating each destination with a comma or semicolon.

4. Select the check box for the alerts that you want to be sent with this destination list. (To see all of the alerts that are available for the product, click **Show All Alerts**.)

5. Where applicable, set the threshold value for the individual alerts.

The threshold value for service alerts and for the paper-path alerts is a user-specified number of minutes. This is the amount of time that an event will be ignored before an e-mail alert message is sent. For example, you might want to set the threshold value for the "Tray Open" alert to 10 minutes to allow someone to close the tray after loading the tray or clearing a jam.

6. Under **Select Control Panel Messages to Suppress**, select messages that you do not want to appear on the product control panel. This step applies only to messages that were selected to be received as alerts.



---

**NOTE** If the browser does not accept JavaScript, then the check box for message suppression will be always enabled. The check-box selection is validated when you submit the page by pressing the **Apply** button. If the alerts corresponding to the alerts selected for suppression have not been selected, the **Alerts - setup** screen is reloaded with a warning message, informing you that you must first select the corresponding alerts in order to suppress their appearance on the control panel.

---

7. Select the attachments that you want to be included with your e-mail alert messages. These attachments can include the following pages. (Go to the **Information** tab to see examples of these pages.)

- Supplies Status Page
- Usage Page
- Configuration Page
- Event Log Page
- XML Data

The **XML Data** option should be selected if one of the destinations you have chosen to receive alerts is an automated computer system. Each item that you select will be attached to the e-mail. For example, if you select **Usage Page** and **Event Log Page**, you will receive one e-mail message with two attachments, one for each selection. If you also select the **XML Data** option, you will receive one e-mail message with three attachments: one attachment for the Usage Page in HTML,

one for the Event Log in HTML, and a third consisting of instant support information in a text file attachment that has an .XML extension.

8. Click **Apply** to save the information.
9. Repeat steps 1 through 7 for each additional list or destination.

Use the following procedure to test the destination list configuration.

## To test the configuration of a destination list

1. Click the **Test** button next to the destination list that you want to test.

The following window appears.

HP LaserJet XXXX MFP / 192.168.0.10  
HP LaserJet XXXX MFP Series

Information Settings Digital Sending Networking

Configure Device  
E-mail Server  
Alerts  
AutoSend  
Security  
Authentication Manager  
LDAP Authentication  
Edit Other Links  
Device Information  
Language  
Date & Time  
Wake Time

Other Links  
[hp instant support](#)  
[Shop for Supplies](#)  
[Product Support](#)

### Alerts - test

You are about to send a test alert to the selected alert destinations. Click **OK** to send the test, or click **Cancel** to return to the main Alerts page without sending the test.

**Alert Destinations:**  anyone@your.company.com

By default, the return address on the test alert is the product's e-mail address. To receive any response that is generated from this test, type your own e-mail address in the following box.

**Return Address:** anyone@your.company.com

**Message Text:**

This is a test alert. You have received this alert because you have been selected to receive information about the following product.

The product does not need attention at this time.

**Product:**  
HP LaserJet XXXX MFP

**Currently selected alerts:**  
Order Cartridge  
Replace Cartridge  
Non-HP Supply Installed  
Remove Paper Jam  
Close Drawers, Doors And Covers  
Tray Open  
Tray Empty (Load)  
ADF Paper Jam

**Currently selected attachments:**

Thank you for using Hewlett-Packard products!

If you want additional notes to appear at the beginning of the test alert, type the information in the following box.

**Your Notes (optional):**

OK Cancel

**Figure 3-5 Alerts - test screen**

2. Select the destinations that you want to test.
3. The return address is the product's e-mail address. Type your e-mail address in the **Return Address** box if you would like to receive messages about any errors that are generated from the test alert (for example, to be notified of an incorrect destination address).

4. If applicable, type additional information that you would like to appear at the beginning of the e-mail alert message in the **Your Notes (optional)** text field.
5. Click **OK**.

### To delete destinations and destination lists

1. If you have multiple destinations configured, you can delete a destination or destination list by clicking the **Delete** button next to the destination or destination list that you want to delete.
2. Click **OK** to confirm the deletion.

## Sending e-mail commands to the product

Another method for receiving information pages is by requesting them from the product. When outgoing mail is configured, the product can attach information pages, such as the Supplies Status page or the Configuration page, to e-mail messages. You can use this feature to solve a problem or check the status of supplies.

### To request information pages by using an e-mail message

When composing a message to the product, you must format the **To**, **From**, and **Subject** fields correctly in your e-mail program.

1. Make outgoing e-mail functions available by following the instructions that are listed in this chapter. (For more information, see [E-mail Server](#) )
2. From your e-mail program, compose a message to the product by completing the following steps:
  - a. In the **To** field, type the product's e-mail address. The user name combined with the product's domain name (which is specified in the outgoing mail configuration) is the e-mail address for the product. For example, if the POP3 mailbox account user name is "product" and the POP3 server is "hp.com", the product's e-mail address is "product@hp.com".
  - b. Your e-mail program should automatically complete the **From** field with your return e-mail address.
  - c. In the **Subject** field, type the appropriate text for the format and page that you would like to attach. You can request a Configuration page, a Supplies Status page, or an AutoSend page. For example, if you would like to attach the Configuration page in .HTML file format, type `this.configpage?configpage=email&format=html`.

**Table 3-4** Requesting information pages using an e-mail message

Page	HTML format	XML format
Configuration page	<code>this.configpage? configPage=email&amp;format=html</code>	<code>this.configpage? configPage=email&amp;format=xml</code>
Supplies Status page	<code>this.configpage? suppliesPage=email&amp;format=html</code>	<code>this.configpage? suppliesPage=email&amp;format=xml</code>
AutoSend page <sup>1</sup>	not applicable	<code>this.configpage? autosend=email&amp;format=xml</code>

<sup>1</sup> The AutoSend page is not sent to the sender of the e-mail (as indicated in Step 2b, above). It is sent to the e-mail address specified in the **AutoSend** screen of the **Settings** tab.

3. Click **Send**.

The product checks for new e-mail messages once every 3 minutes. When the product receives the e-mail message, it generates a reply and sends the requested information back to the sender's e-mail address (as specified in the **From** field of the original e-mail message).



**NOTE** Depending on delays in the network and your organization's mail server, a response might take from 1 minute to several hours to arrive in your e-mail program's inbox. If the **To**, **From**, and **Subject** fields are not correctly formatted in your e-mail message, the product does not send a message in response.

## AutoSend

Use the **AutoSend** screen to send product-configuration and supplies-usage information periodically to e-mail destinations of your choice, such as service providers. This feature establishes a relationship with Hewlett-Packard Company or another service provider to provide you with services that include, but are not limited to, print-cartridge replacement, pay-per-page contracts, support agreements, and usage tracking. A user can add up to twenty AutoSend destinations. The following illustration, table, and procedure describe how to use this screen.

**Figure 3-6** AutoSend screen

**Table 3-5** AutoSend

Callout	Area on the screen	Information or capability that the area provides
1	HP EWS tabs and menus	For more information, see <a href="#">Navigating through the HP Embedded Web Server</a> .
2	Enable AutoSend	Select this check box to turn on the AutoSend feature.

**Table 3-5** AutoSend (continued)

Callout	Area on the screen	Information or capability that the area provides
3	Send every [interval]	Select the interval at which you want the product to send the product configuration and supplies usage information to the destinations that are configured in the <b>E-Mail destinations</b> field.
4	E-Mail destinations	Save a list of up to 20 e-mail addresses to receive the product-configuration information. The first e-mail address can be no more than 50 characters long.
5	Send to HP	Select this check box to send device configuration and supplies status information to HP on a regular basis. The information will be sent to an HP e-mail address (for example, myproduct@hp.com) in a text-based file with an .XML file extension. This file will be created in English.  To view more information about how HP treats the information that is sent by AutoSend, click <b>Hewlett-Packard Online Privacy Statement</b> .
6	Test	Click this button to save your settings and to send the information immediately, so that you can make sure that the recipient receives the messages.

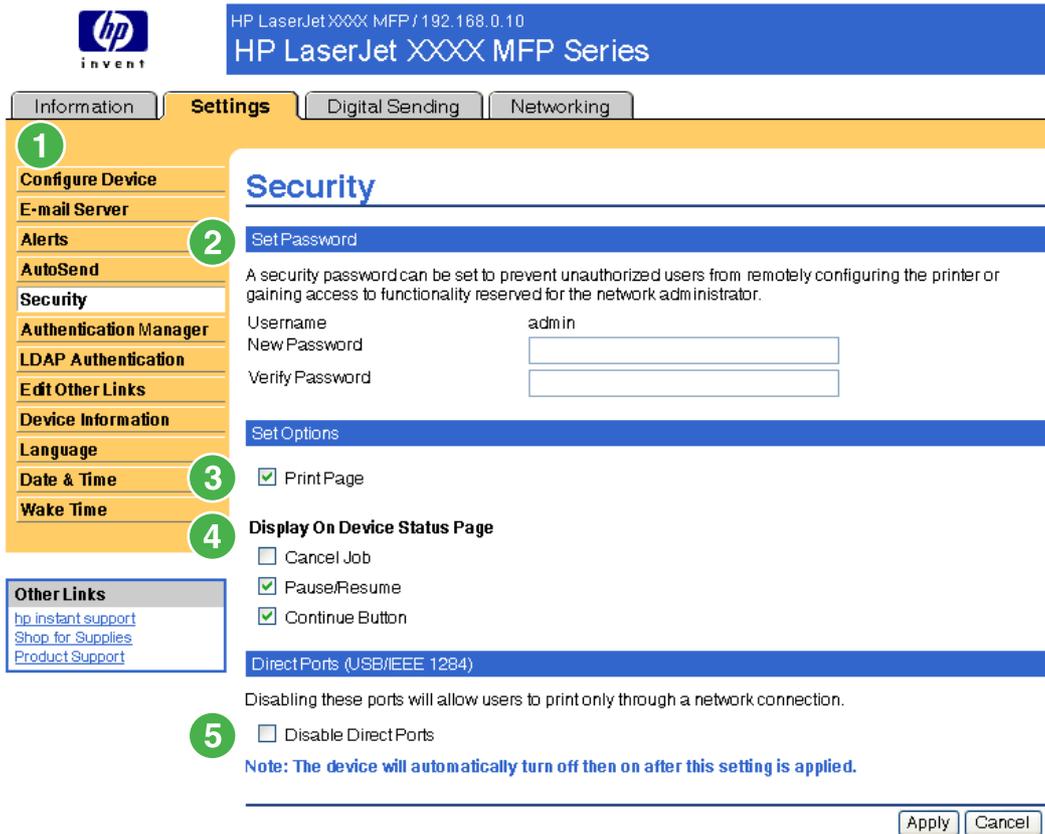
## To turn on the AutoSend feature

Use the following procedure to make the AutoSend feature available.

1. Make outgoing e-mail functions available by following the instructions that are listed in this chapter. (For more information, see [E-mail Server](#).)
2. Select the **Enable AutoSend** check box.
3. Click an option to specify the interval at which you want the product to send the product-configuration and supplies-usage information to the e-mail recipients (determined in the next step), and then type the number of days, weeks, months, or pages printed.
4. Configure up to 20 destinations using the format that appears on the screen.
5. To send device configuration and supplies status information to HP, select the **Send to HP** check box.
6. Click **Apply**.

# Security

The following illustration and table describe how to use the **Security** screen.



**Figure 3-7 Security screen**

**Table 3-6 Security**

Callout	Area on the screen	Information or capability that the area provides
1	HP EWS tabs and menus	For more information, see <a href="#">Navigating through the HP Embedded Web Server</a> .
2	Set Password	Set an administrator password to control who can gain access to the EWS <b>Settings</b> , <b>Digital Sending</b> , and <b>Networking</b> tabs. After the password has been set, users are prompted to type a password when they click the <b>Log In</b> link. For more information, see <a href="#">Login and logoff</a> .  To clear a password, remove the characters from the <b>New Password</b> field, leave the <b>Verify Password</b> field empty, and click the <b>Apply</b> button.
3	Print Page	Select to make the <b>Print</b> screen available in the <b>Information</b> tab.
4	Display On Device Status Page	Select the control-panel buttons that you want to appear on the <b>Device Status</b> screen (on the <b>Information</b> tab).
5	Direct Ports	Select <b>Disable Direct Ports</b> to block walk-up printing and system access. When the setting is selected and applied, USB and IEEE 1284 ports are disabled.

**Table 3-6** Security (continued)

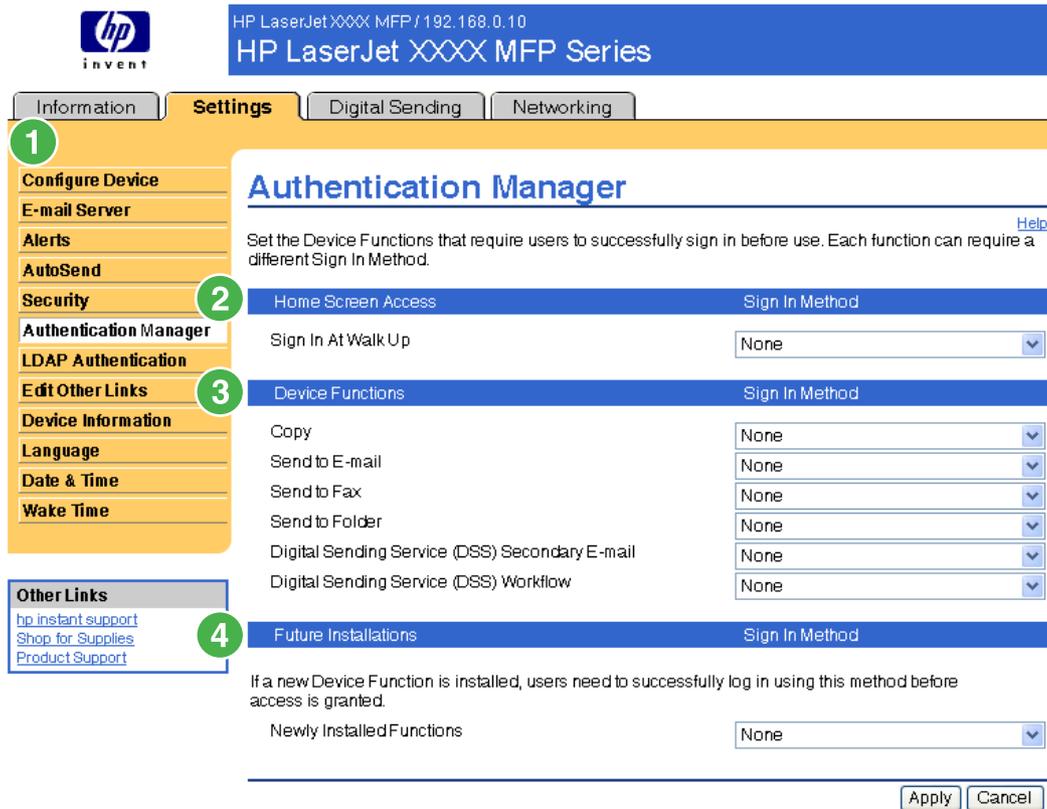
Callout	Area on the screen	Information or capability that the area provides
		 <b>NOTE</b> The <b>Disable Ports</b> section of the <b>Security</b> screen does not appear on the screen when direct-connect devices are not supported or if the HP EWS is currently running over a direct connection.

# Authentication Manager

Use the **Authentication Manager** screen to set the Device Functions that require users to successfully log in before use. The following illustration and table describe how to use this screen.



**NOTE** The **Authentication Manager** screen is not available for the HP LaserJet M3027mfp and M5025mfp products.



**Figure 3-8** Authentication Manager screen

**Table 3-7** Authentication Manager

Callout	Area on the screen	Information or capability that the area provides
1	HP EWS tabs and menus	For more information, see <a href="#">Navigating through the HP Embedded Web Server</a> .
2	Home Screen Access	Specify a log-in method for users gaining access to the Home screen.

**Table 3-7** Authentication Manager (continued)

Callout	Area on the screen	Information or capability that the area provides
3	Device Functions	Specify a log-in method for users gaining access to the following functions: <ul style="list-style-type: none"><li>• Copy</li><li>• Send to E-mail</li><li>• Send to Fax</li><li>• Send to Folder</li><li>• Digital Sending Service (DSS) Secondary E-mail</li><li>• Digital Sending Service (DSS) Workflow</li></ul>
4	Future Installations	Specify a log-in method for users gaining access to any new features to be installed in the future.

# LDAP Authentication

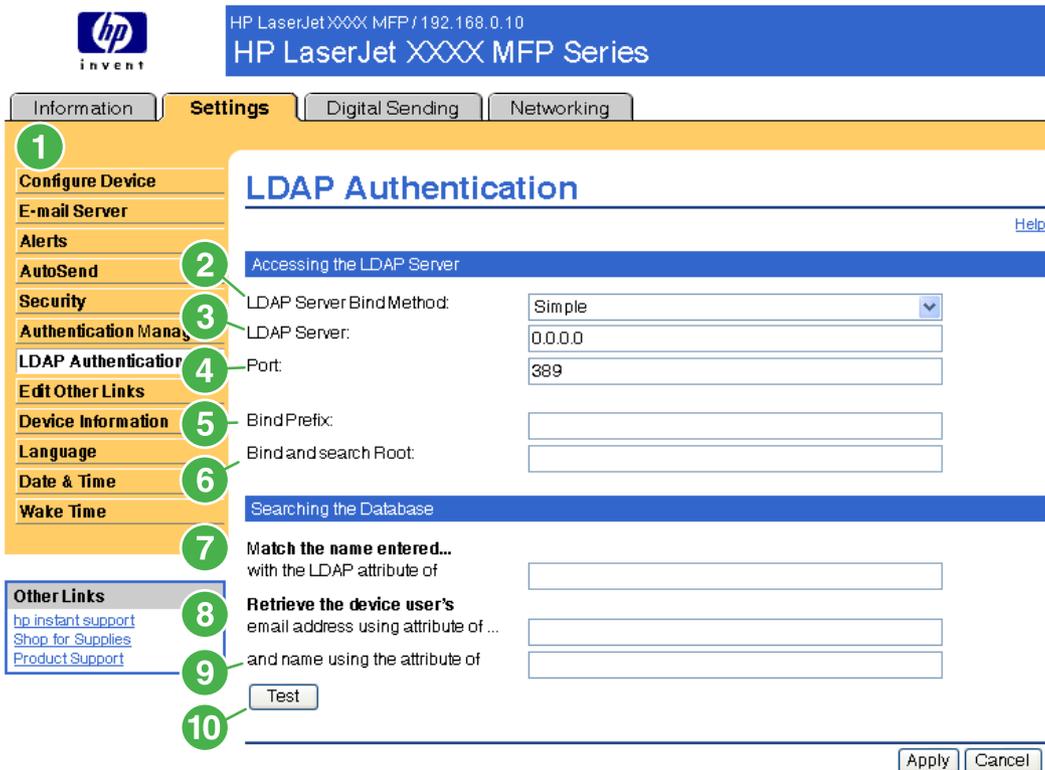


**NOTE** The **LDAP Authentication** screen is not available for the HP LaserJet M3027mfp and M5025mfp products.

Use the **LDAP Authentication** page to configure a Lightweight Directory Access Protocol (LDAP) server to authenticate device users. When LDAP authentication is selected as the Log In Method for one or more Device Functions on the Authentication Manager page, the user at the device must enter valid credentials (username and password) to gain access to those functions.

Authentication consists of two interdependent parts. First, the device verifies the user's credentials with the LDAP server. After the device user has supplied valid credentials and has been authenticated, the device searches for the user's e-mail address and name. If either step fails, the user is denied access to the functions that have been configured to require LDAP authentication.

Use the **LDAP Authentication** page to set up the parameters that are used to access the LDAP server and searches for the user's information. Note that this page only applies when LDAP is selected as a Log In Method on the Authentication Manager page. The following illustration and table describe how to use this screen.



**Figure 3-9** LDAP Authentication screen

**Table 3-8** LDAP Authentication

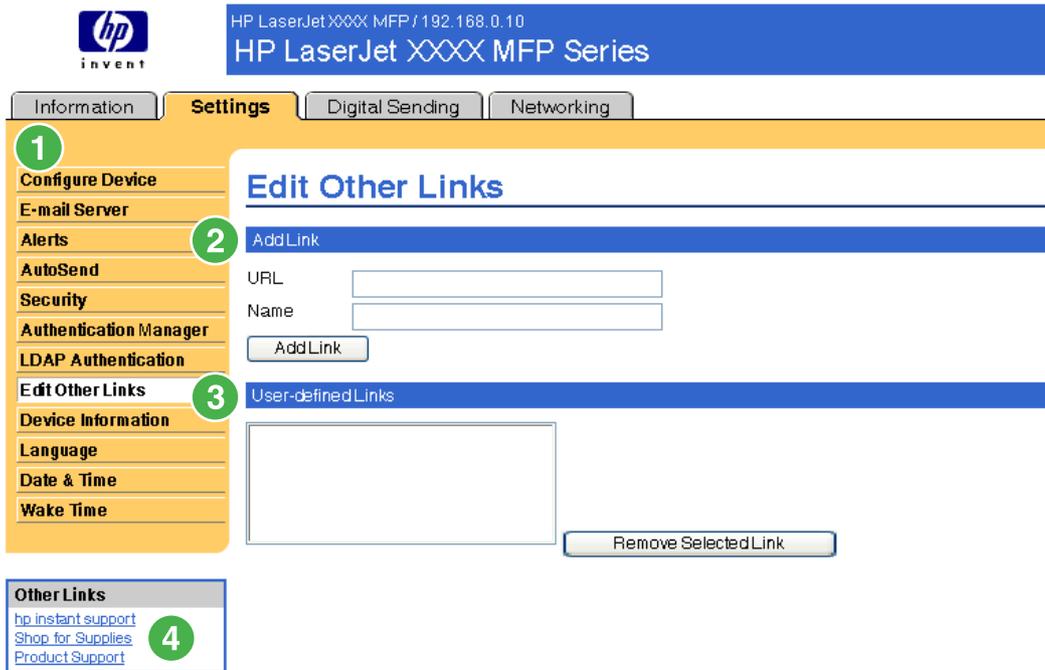
Callout	Area on the screen	Information or capability that the area provides
1	HP EWS tabs and menus	For more information, see <a href="#">Navigating through the HP Embedded Web Server</a> .

**Table 3-8** LDAP Authentication (continued)

Callout	Area on the screen	Information or capability that the area provides
2	LDAP Server Bind Method	<p>The LDAP Server Bind Method setting determines how the device will access the LDAP server. Contact your LDAP server administrator to determine which method will work best for you.</p> <ul style="list-style-type: none"> <li>• Simple - The selected LDAP server does not support encryption. Note that the password, if any, will be sent unencrypted across the network.</li> <li>• Simple over SSL - The selected LDAP server supports encryption using the Secure Sockets Layer (SSL) protocol. All data, including the username and password, will be encrypted. The LDAP server must be set up to support SSL, including configuring a certificate that establishes its identity.</li> </ul> <p>Also, the device network interface must be configured with a Certificate Authority (CA) certificate to validate the LDAP server. The CA certificate is configured on the Networking tab of the Web interface. In some LDAP server configurations, a client certificate is also required and is configured on the same Networking tab.</p>
3	LDAP Server	<p>The LDAP Server setting is the host name or IP address of the LDAP server to be used to authenticate device users. When using SSL, the name or address typed here must match the name in the certificate that the server sends.</p> <p>Multiple servers can be included in this field by separating their addresses with a vertical bar (' ', ASCII 0x7c) character. This feature can be used, for example, to specify primary and backup servers. The network interface only supports a single Certificate Authority (CA) certificate, so all the LDAP servers in the list must use the same CA.</p>
4	Port	<p>The Port setting refers to the TCP/IP port number on which the server is processing LDAP requests. Typically, this is port 389 for Simple binds or 636 for Simple over SSL binds.</p>
5	Bind Prefix	<p>The Bind Prefix setting is the LDAP attribute used to construct the user's Distinguished Name (DN) for authentication. This prefix is combined with the username typed at the control panel to form the Relative Distinguished Name (RDN). Commonly used prefixes are "CN" (for common name) or "UID" (for user identity).</p>
6	Bind and search Root	<p>When the Use Device User's Credentials method is selected, the Bind and Search Root value is used during both phases of authentication. During the credential verification phase, this value is combined with the RDN to construct the full Distinguished Name (DN) of the user. During the user information searching phase, this value is the DN of the LDAP entry where the search begins.</p> <p>When the Use Administrator Credentials method is selected, the Bind and Search Root is only used as a search root. The Search Root of the base of the LDAP directory can be specified, and the device will search the entire LDAP tree for the user object corresponding to the username entered at the device.</p>
7	Match the name entered with the LDAP attribute of	<p>When searching for the device user's information in the LDAP database, the contents of the attribute specified in this field are compared to the username that was typed during authentication. This attribute is usually the same as the Bind Prefix.</p>
8	Retrieve the device user's e-mail address using attribute of	<p>After the device user has been located in the LDAP database, the user's e-mail address is retrieved from the database by using the LDAP attribute specified in the e-mail address using attribute of field.</p>
9	and name using the attribute of	<p>The user's display name is obtained from the LDAP attribute that is specified in the name using attribute of field.</p>
10	Test	<p>Use the Test feature to test the validity of your settings before applying them. When you click this button, you are asked to provide user credentials as if you were logging in at the device control panel. If the credentials that you provide are authenticated and the user information is found in the LDAP database, a success message appears. Otherwise, an error message appears indicating why authentication failed.</p>

# Edit Other Links

Use the **Edit Other Links** screen to add or customize up to five links to the Web sites of your choice (see the following note). These links appear throughout the HP EWS screens in the **Other Links** box beneath the left navigational bar. Three permanent links (**hp instant support**, **Shop for Supplies**, and **Product Support**) have already been established. The following illustration, table, and procedures describe how to use this screen.



**Figure 3-10** Edit Other Links screen

**Table 3-9** Edit Other Links

Callout	Area on the screen	Information or capability that the area provides
1	HP EWS tabs and menus	For more information, see <a href="#">Navigating through the HP Embedded Web Server</a> .
2	Add Link	Add a user-defined link.
3	User-defined Links	Lists the user-defined links that have been added. Use this area to delete links.

**Table 3-9** Edit Other Links (continued)

Callout	Area on the screen	Information or capability that the area provides	
4	Other Links	<b>hp instant support</b>	Connect to Web resources that help you to solve specific problems and determine what additional services are available for your product. (Detailed information, including serial number, error conditions, and status, is forwarded to HP Customer Care. Hewlett-Packard Company treats this information as confidential.)
		<b>Shop for Supplies</b>	Connect to a Web page that facilitates online ordering of supplies from a reseller of your choice.
		<b>Product Support</b>	Gain access to specific product help from the HP Web site.
		<b>My Service Provider</b>	Connect to the home page of your service provider. This link appears only if the service provider has configured it.
		<b>My Service Contract</b>	Connect to a page that shows the terms and limits of your service contract. This link appears only if the service provider has configured it.

## Adding a link

Use this procedure to add a link.

1. Under **Add Link**, type the URL and the name of the link as you would like it to appear in the HP EWS.
2. Click **Add Link**.

## Removing a link

Use this procedure to remove a link.

1. Under **User-defined Links**, select the link or links that you would like to remove.
2. Click **Remove Selected Link**.

## Device Information

Use the **Device Information** screen to provide a name of your choice for the device, assign an asset number, and configure the company name, the person to contact about the device, and the physical location of the device. The device TCP/IP address, device name, device model, and serial number are also available on this screen.

HP LaserJet XXXX MFP / 192.168.0.10  
HP LaserJet XXXX MFP Series

Information Settings Digital Sending Networking

Configure Device  
E-mail Server  
Alerts  
AutoSend  
Security  
Authentication Manager  
LDAP Authentication  
Edit Other Links  
Device Information  
Language  
Date & Time  
Wake Time

### Device Information

Device Name	HP LaserJet XXXX MFP
Device Location	
Asset Number:	
Company Name:	
Contact Person:	
Product Name:	HP LaserJet XXXX MFP
Device Model	CXXXXA
Device Serial Number	XXXXXXXXXX

Apply Cancel

**Other Links**  
[hp instant support](#)  
[Shop for Supplies](#)  
[Product Support](#)

**Figure 3-11** Device Information screen

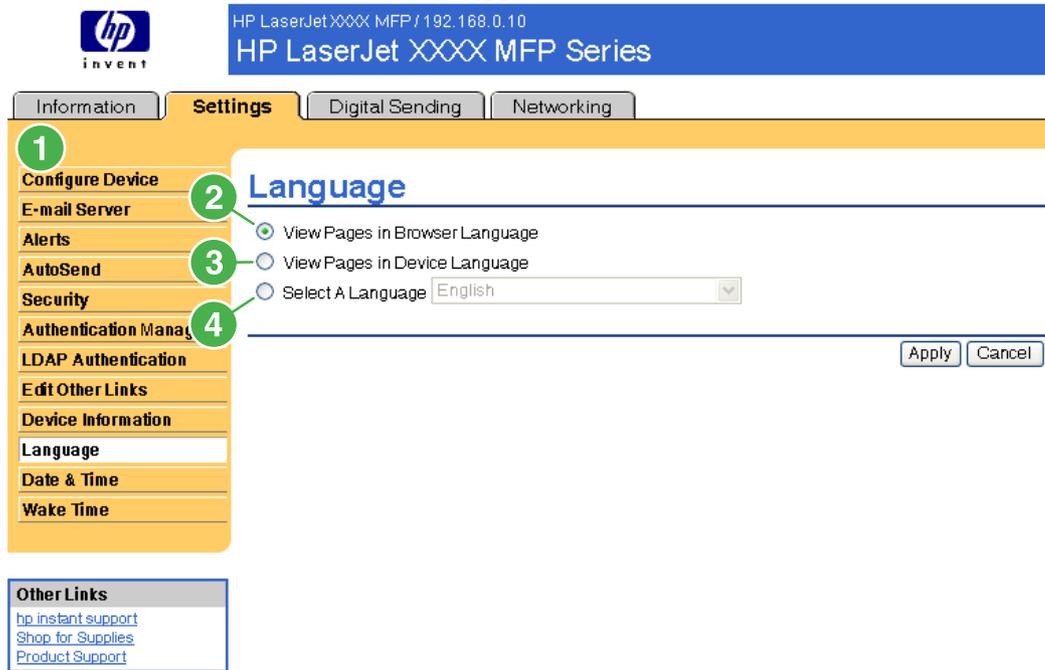


**NOTE** If you make any changes on the Device Information screen, click **Apply** to save the changes.

The information that is typed here appears on the Device Information screen that can be opened from the **Information** tab. It also appears in e-mail messages that are sent from the product. This might be useful if you need to locate the product to replace supplies or fix a problem.

# Language

Use the **Language** screen to select the language in which the HP EWS screens appear. The following illustration and table describe how to use this screen.



**Figure 3-12** Language screen

**CAUTION** Selecting **View Pages in Device Language** or **Select A Language** changes the language for everyone who uses the HP EWS.

**Table 3-10** Language

Callout	Area on the screen	Information or capability that the area provides
1	HP EWS tabs and menus	For more information, see <a href="#">Navigating through the HP Embedded Web Server</a> .
2	View Pages in Browser Language  (this is the default)	Use this feature to detect which language is selected for your Web browser. The HP EWS screens appear in the same language.
3	View Pages in Device Language	Use this feature to detect which language is selected for the device control panel. The HP EWS screen appear in the same language.
4	Select A Language	Select the language for the HP EWS screens from these choices: <ul style="list-style-type: none"> <li>English</li> <li>Français (French)</li> <li>Deutsch (German)</li> <li>Italiano (Italian)</li> <li>Español (Spanish)</li> </ul>

**Table 3-10** Language (continued)

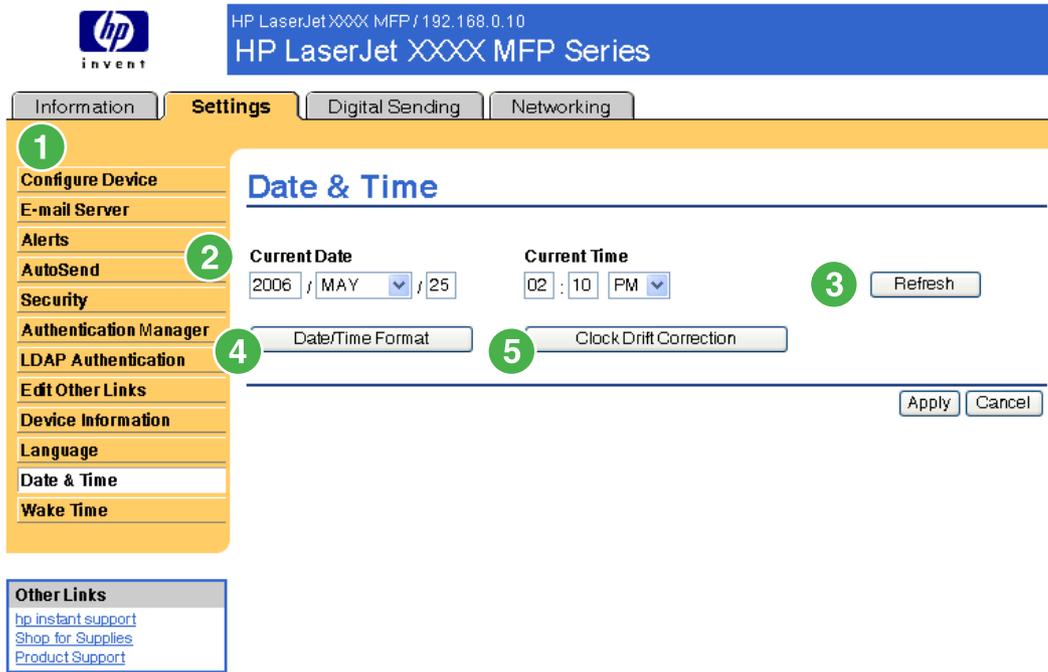
Callout	Area on the screen	Information or capability that the area provides
		<ul style="list-style-type: none"><li>• Svenska (Swedish)</li><li>• Dansk (Danish)</li><li>• Norsk (Norwegian)</li><li>• Nederlands (Dutch)</li><li>• Suomi (Finnish)</li><li>• Português (Portuguese)</li><li>• Simplified Chinese</li><li>• Traditional Chinese</li><li>• Japanese</li><li>• Korean</li></ul>



**NOTE** The default language is the language that the Web browser is currently using. If your browser and control panel both use a language that is not available for the HP EWS, English is selected as the default. If you make any changes on the Language screen, click **Apply** to save your changes.

# Date & Time

Use the **Date & Time** screen to update the product time. The following illustration and table describe how to use this screen.



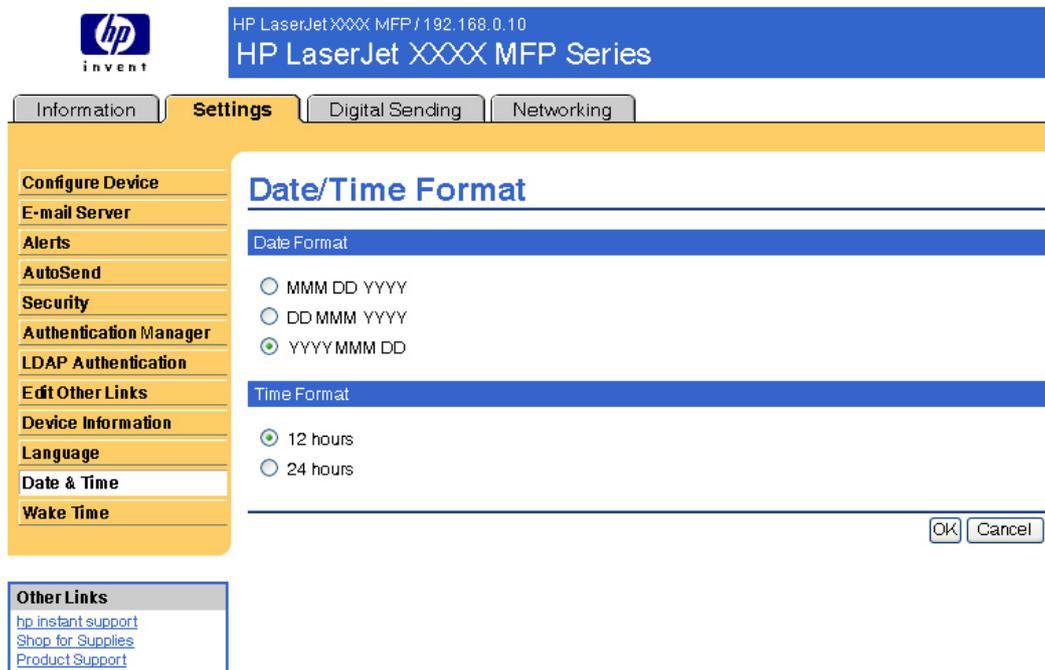
**Figure 3-13** Date & Time screen

**Table 3-11** Date & Time

Callout	Area on the screen	Information or capability that the area provides
1	HP EWS tabs and menus	For more information, see <a href="#">Navigating through the HP Embedded Web Server</a> .
2	Current Date and Current Time	Shows the product date and time when the EWS was opened. If either is incorrect, an IT administrator can change the information at the product control panel or through this HP EWS page.
3	Refresh	Click this button to update the product date and time on the screen. For more information, see <a href="#">Date/Time Format</a> .
4	Date/Time Format	Click this button to open a screen where you can select the date and time format.
5	Clock Drift Correction	Click this button to configure a network time server. This corrects clock drift by using a network time server of your choice. For more information, see <a href="#">Clock Drift Correction</a> .

## Date/Time Format

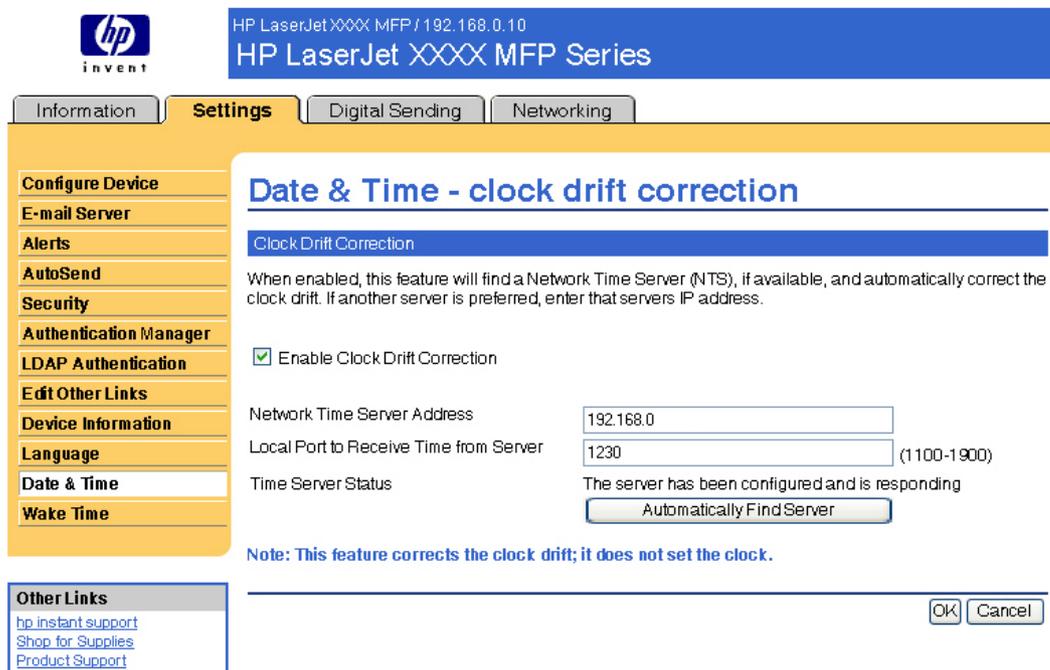
Use the **Date/Time Format** screen to select the formats you prefer for displaying the date (under **Date Format**) and time (under **Time Format**). The following illustration shows the **Date/Time Format** screen.



**Figure 3-14** Date/Time Format screen

## Clock Drift Correction

Use the **Date & Time - clock drift correction** screen to enable clock drift correction. The following illustration shows the screen.



**Figure 3-15** Date & Time - clock drift correction screen

To configure a network time server to correct the product clock drift, use the following procedure.



**NOTE** This process keeps the clock from drifting (losing or gaining time), but does **not** synchronize the clock with the network time server clock.

1. Select the **Enable Clock Drift Correction** check box.
2. In the **Network Time Server Address** field, type the TCP/IP address of the clock which you want to use for correction of the product clock drift.



**NOTE** Alternatively, you can click the **Automatically Find Server** button to find a time server on your network and automatically fill in this field.

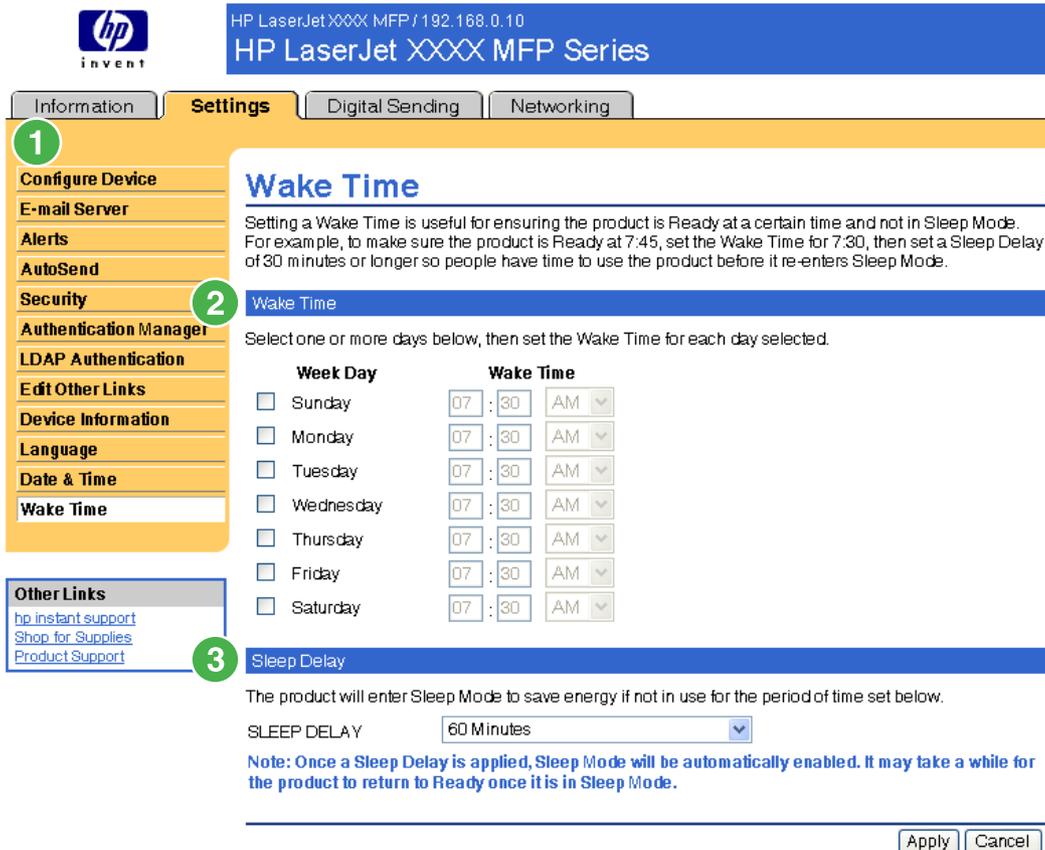
3. In the **Local Port to Receive Time from Server** field, type the number of the appropriate port.
4. Click **OK**.



**NOTE** Use this screen only to configure the time server for clock drift correction, not to set the clock. To set the clock, use the main **Date & Time** screen. For further information, see [Date & Time](#).

# Wake Time

An IT administrator can use the **Wake Time** screen to schedule product wakeups on a daily basis. For example, the product can be set to wake up at 07:30, so the product has finished initializing and calibrating and is ready to use by 08:00. The administrator sets only one wakeup setting per day; however, each day can have a different wakeup setting. Additionally, to save energy, the sleep delay can be set to turn the product off after a specific period of inactivity.



**Figure 3-16** Wake Time screen

**Table 3-12** Wake Time

Callout	Area on the screen	Information or capability that the area provides
1	HP EWS tabs and menus	For more information, see <a href="#">Navigating through the HP Embedded Web Server</a> .
2	Wake Time	Select one or more days on which to use the wakeup setting, and then set the time the product is turned on each day.
3	Sleep Delay	Set the amount of time the product is idle before it goes into Sleep Mode. When the product is in Sleep Mode, it uses less energy.



# 4 Setting the digital sending options

Administrators can use the screens available from the **Digital Sending** tab to control the digital-sending features that some products offer.



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**NOTE** Some products do not support all of these screens.

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## Using the HP DSS software

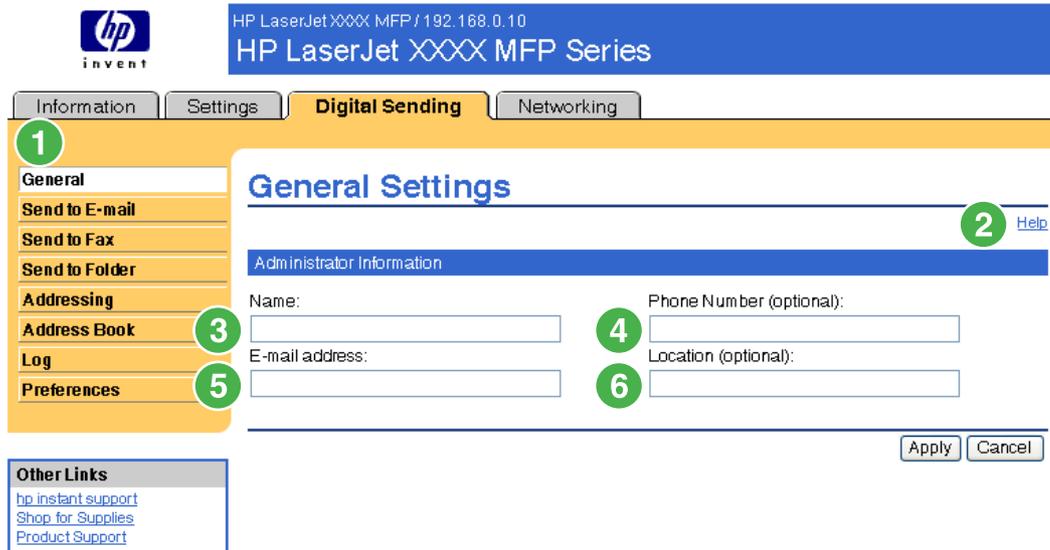
The HP LaserJet M3027mfp/M3035mfp, M4345mfp, and M5025mfp/M5035mfp products include the Digital Sending Software (HP DSS) which can be used to carry out its digital-sending tasks. If the HP DSS has been installed, all HP DSS screens are available for read-only access. However, if you try to apply changes in any of the HP EWS **Digital Sending** screens, the following message appears:

**The device is being serviced by the Digital Sending Software at <IP address>. Please use Windows Configuration Utility to configure the device.**

In this case, the digital sending options must be configured by using the HP MFP DSS Configuration Utility. This centralizes the configuration tasks and helps control security.

# General

Use the **General** screen to set digital-sending administrator information. The following illustration and table describe how to use this screen.



**Figure 4-1** General Settings screen

**Table 4-1** General Settings

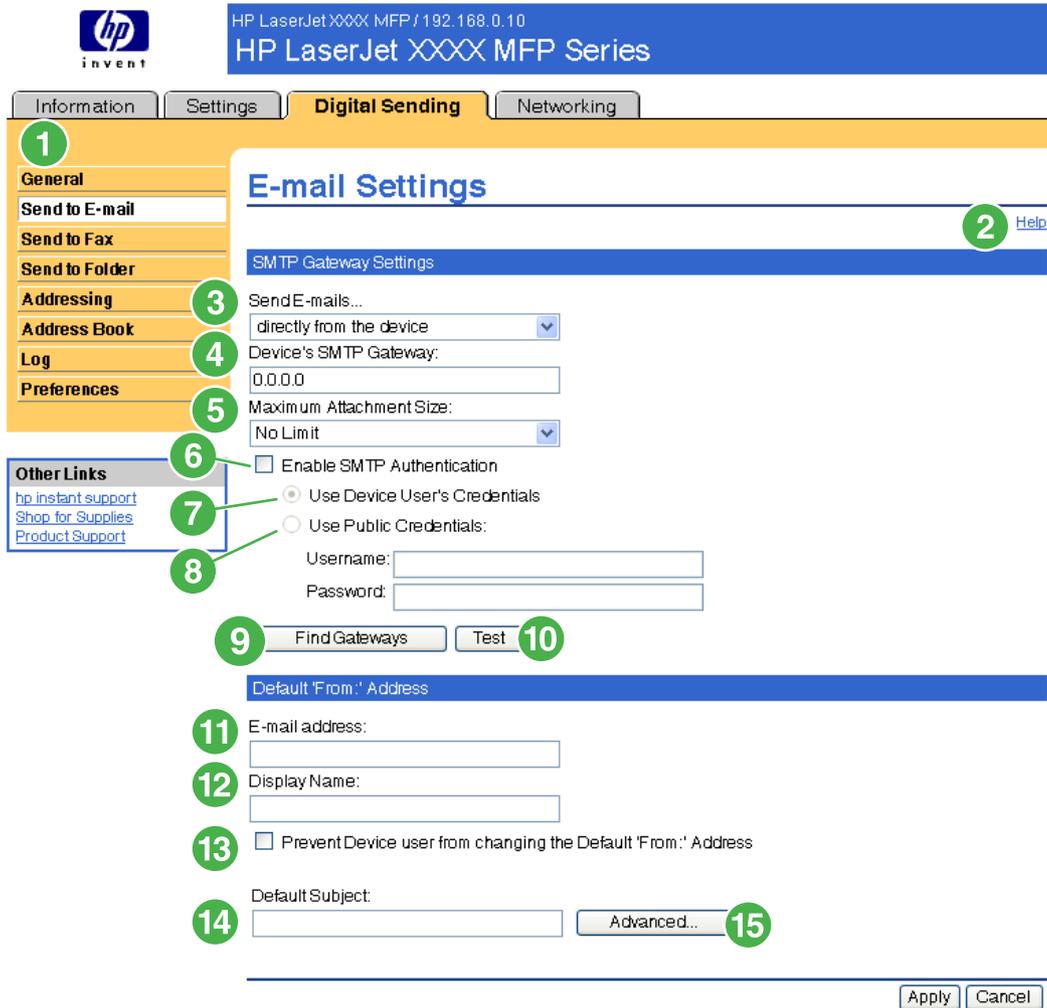
Callout	Area on the screen	Information or capability that the area provides
1	HP EWS tabs and menus	For more information, see <a href="#">Navigating through the HP Embedded Web Server</a> .
2	Help	Click to open a help file that contains information about the screens on the <b>Digital Sending</b> tab.
3	Name	Type the administrator's name.
4	Phone Number (optional)	Type the administrator's phone number (optional).
5	E-mail address	Type the administrator's e-mail address. The device does not accept e-mail addresses that are not properly formatted.
6	Location (optional)	Type the administrator's location (optional).

# Send to E-mail

The product requires a Simple Mail Transfer Protocol (SMTP) gateway server to forward e-mail messages to a destination. If the SMTP gateway is not responding or has not been configured, the following message appears on the screen:

**0.0.0.0 is not responding or is not a valid SMTP Gateway Server.**

Use the **E-mail Settings** screen to configure SMTP settings, set the maximum e-mail attachment size, and set the default e-mail address for the product. You can also set a default subject for all e-mail messages that the product sends. The following illustration and table describe how to use this screen.



**Figure 4-2 E-mail Settings** screen

**Table 4-2 E-mail Settings**

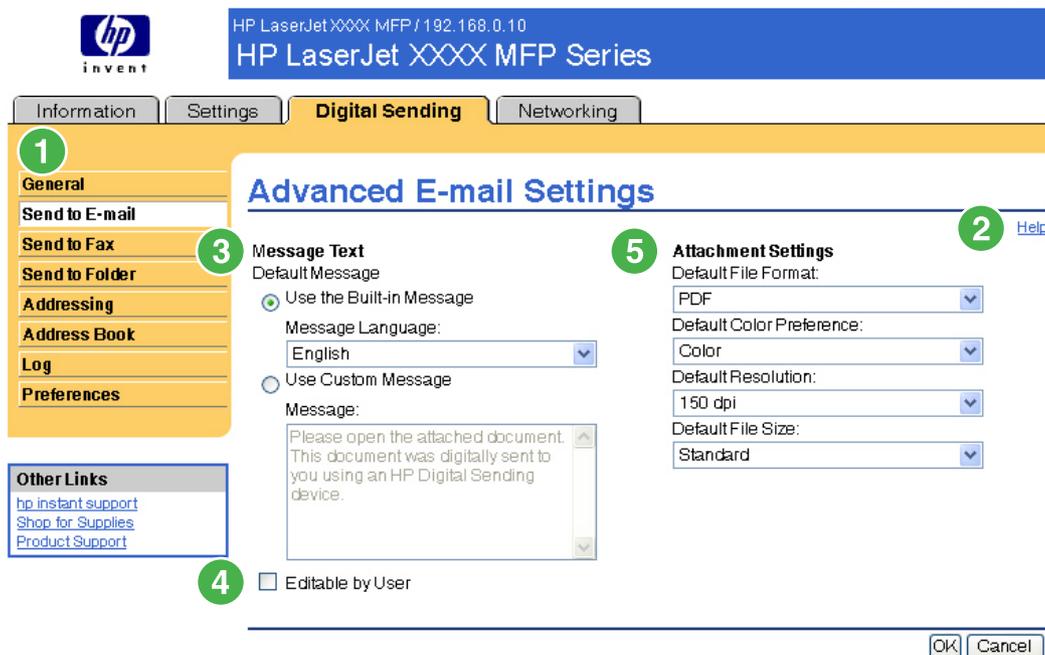
Callout	Area on the screen	Information or capability that the area provides
1	HP EWS tabs and menus	For more information, see <a href="#">Navigating through the HP Embedded Web Server</a> .
2	Help	Click to open a help file that contains information about the screens on the <b>Digital Sending</b> tab.

**Table 4-2** E-mail Settings (continued)

Callout	Area on the screen	Information or capability that the area provides
3	Send E-mails	Send e-mail messages to the SMTP Gateway server directly from the product.
4	Device's SMTP Gateway	Type the TCP/IP address or the host name of the SMTP Gateway server that will manage the e-mail requests from the device. If you do not know the TCP/IP address or the host name of the SMTP Gateway, click the <b>Find Gateways</b> button to search the network for a suitable SMTP Gateway server.   <b>NOTE</b> Some devices recognize only TCP/IP addresses. In such cases, host names will be converted to the equivalent TCP/IP address.
5	Maximum Attachment Size	Select the maximum size of e-mail attachments that the SMTP Gateway server can transmit. If the product needs to send an e-mail attachment that is larger than the maximum size that is specified, the attachment is broken into smaller files, which are sent in multiple e-mail messages.
6	Enable SMTP Authentication	Use this setting to require SMTP authentication for outgoing e-mail.  SMTP authentication is used to provide a username and password to the SMTP server if required. Most Internet Service Providers (ISP) require these credentials.
7	Use Device User's Credentials	You can only use this setting if Authentication is enabled for SMTP <i>and</i> individual device users have accounts on the SMTP server. In most cases, <b>Use Public Credentials</b> is the preferred method.
8	Use Public Credentials	Use this setting to set a single name and password for SMTP authentication for the device to use for all users.
9	Find Gateways	If you do not know the TCP/IP address or the host name of the SMTP Gateway, click this button to search the network for a suitable SMTP Gateway server.   <b>NOTE</b> If you are using an ISP for e-mail services, this feature might not function correctly. Please contact your ISP for the name or address of the SMTP Gateway and for the username and password used to access the e-mail.
10	Test	Click this button to verify that the specified SMTP Gateway server is valid and operational.
11	E-mail address	Type the e-mail address of the person who will act as the default sender.
12	Display Name	Type the name that you want to appear in the "From" field for the e-mail messages that are sent from the product. You can also use this field to include instructions, such as "Please type your e-mail address here."   <b>NOTE</b> If a name is not provided, the e-mail address that was typed in the <b>E-mail Address</b> field will appear in the "From" field of outgoing e-mail messages.
13	Prevent Device user from changing the Default 'From:' Address	Select this check box to ensure that general users cannot change the e-mail address that the administrator set.
14	Default Subject	If you want to, type the subject that will appear on all e-mail messages the product sends. You can also use this field to include instructions, such as "Please type a subject for your message."
15	Advanced	Click this button to open a new screen that you can use to set message text and attachment settings for e-mail messages that the product sends. For more information, see <a href="#">Advanced E-mail Settings</a> .

## Advanced E-mail Settings

The following illustration and table describe how to use the **Advanced E-Mail Settings** screen.



**Figure 4-3** Advanced E-mail Settings screen

**Table 4-3** Advanced E-mail Settings

Callout	Area on the screen	Information or capability that the area provides
1	HP EWS tabs and menus	For more information, see <a href="#">Navigating through the HP Embedded Web Server</a> .
2	Help	Click to open a help file that contains information about the screens on the <b>Digital Sending</b> tab.
3	Message Text	Modify how the message text will appear in the body of all e-mail messages that are sent from the product. Select the language for the message text. The languages that are available are the same languages that are available on the Language screen of the <b>Settings</b> tab.
4	Editable by User	Select this check box to allow the user to add text to the e-mail message text.
5	Attachment Settings	Select the default settings for attachments sent in e-mail messages that are sent from the product.

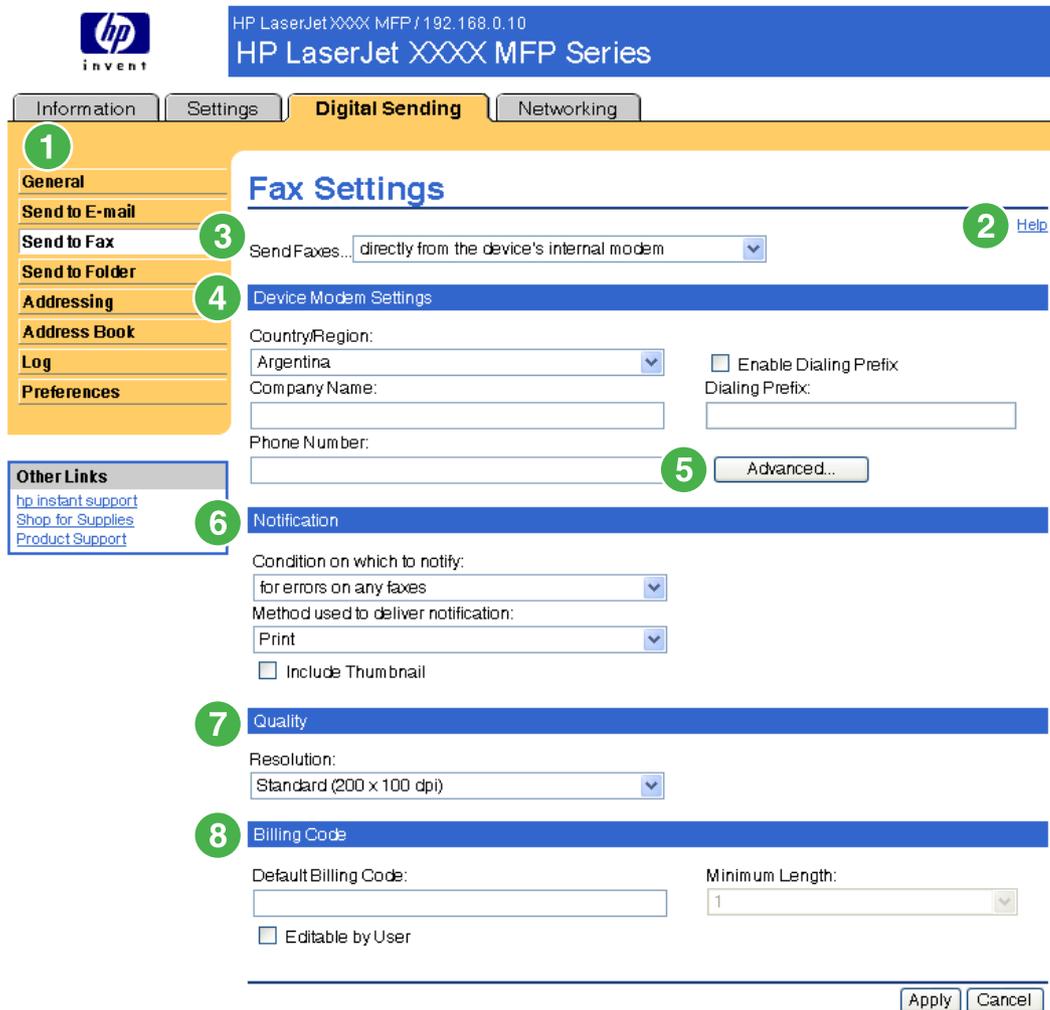
# Send to Fax

The product can send scanned documents to a fax number to simulate the sending capabilities of a fax machine. If the product is equipped with a fax modem, it can also be set up to process incoming faxes.



**NOTE** The **Fax Settings** screen (and the **Send to Fax** menu on the left) is available only if your product is equipped with a fax modem board.

Use the **Send to Fax** screen to configure the send-to-fax features for the product. The following illustration and table describe how to use this screen.



**Figure 4-4** Fax Settings screen

**Table 4-4** Send to Fax

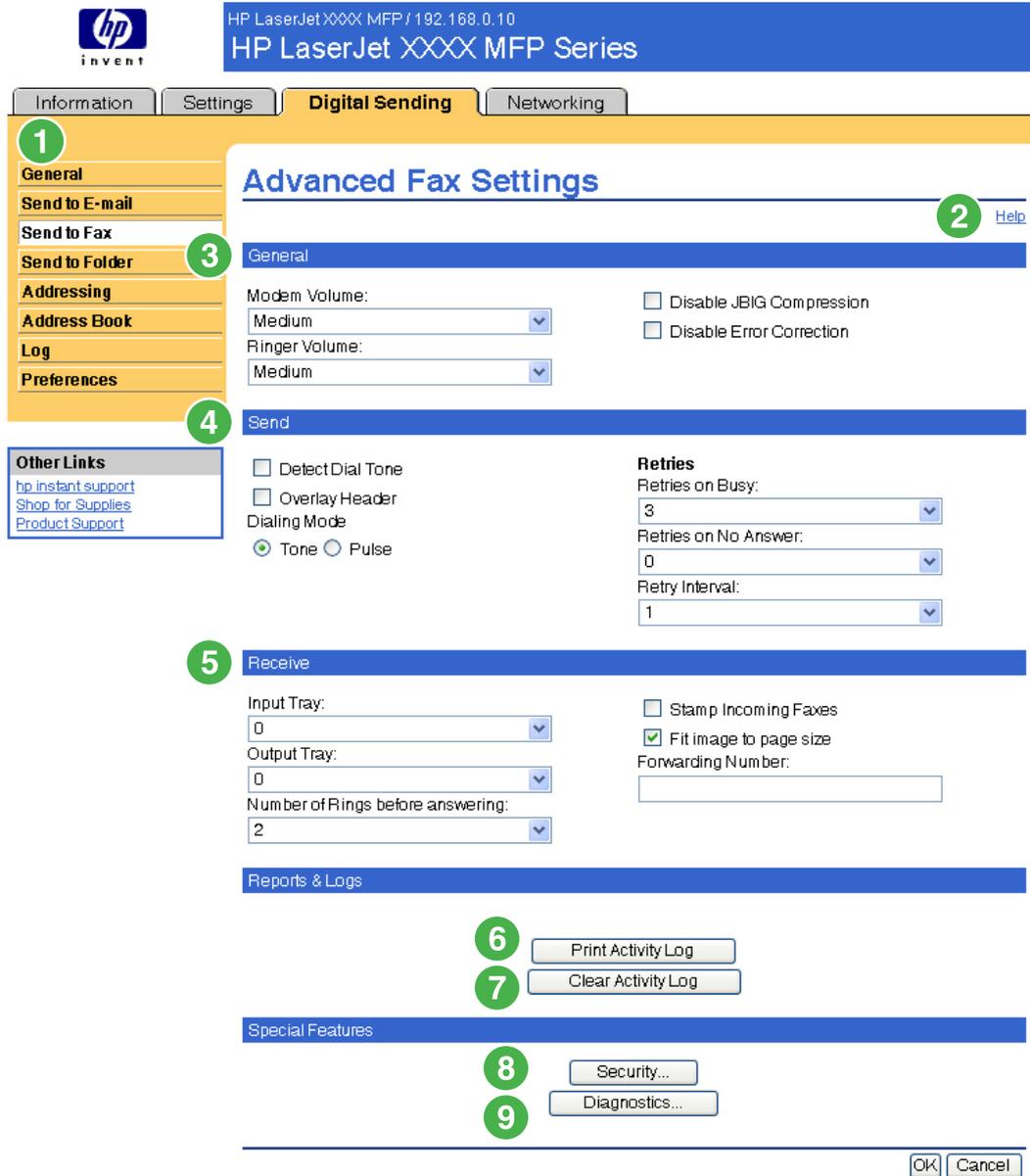
Callout	Area on the screen	Information or capability that the area provides
1	HP EWS tabs and menus	For more information, see <a href="#">Navigating through the HP Embedded Web Server</a> .
2	Help	Click to open a help file that contains information about the screens on the <b>Digital Sending</b> tab.

**Table 4-4** Send to Fax (continued)

Callout	Area on the screen	Information or capability that the area provides
3	Send Faxes	<b>directly from the device's internal modem</b> Send faxes directly from the device. When this option is selected, you must select or type the following information: <ul style="list-style-type: none"><li>• The country/region</li><li>• The company name</li><li>• The phone number to which the internal modem of the device is connected</li><li>• If applicable, any prefix number that your phone system requires</li></ul>
		<b>via the Digital Sending service</b> Send faxes by using the digital sending software service.
4	Device Modem Settings	Type these settings if <b>directly from the MFP's internal modem</b> is selected from the <b>Send Faxes</b> list.
5	Advanced	Click this button to open a new screen where you can set advanced product modem settings, such as modem and ringer volume, and send and receive settings. From this screen, you can also print a fax activity log and gain access to security and diagnostics settings. For more information, see <a href="#">Advanced Fax Settings</a> .
6	Notification	Set the notification options, such as whether a fax success or failure notification will be sent, whether the notification will be printed, or whether the sender should receive a notification report. Select the <b>Include Thumbnail Image</b> check box to include a scaled-down image of the scanned document in the notification report.
7	Quality	Select the resolution for the outgoing faxes.
8	Billing Code	Type the billing code, if applicable. If you want to, you can select the <b>Editable by User</b> check box to allow the user to change the code. Use the Minimum Length field to set the minimum length of the billing code. The billing code can be a value between 1 and 16.

# Advanced Fax Settings

The following illustration and table describe how to use the **Advanced Fax Settings** screen.



**Figure 4-5** Advanced Fax Settings screen

**Table 4-5** Advanced Fax Settings

Callout	Area on the screen	Information or capability that the area provides
1	HP EWS tabs and menus	For more information, see <a href="#">Navigating through the HP Embedded Web Server</a> .
2	Help	Click to open a help file that contains information about the screens on the <b>Digital Sending</b> tab.

**Table 4-5** Advanced Fax Settings (continued)

Callout	Area on the screen	Information or capability that the area provides
3	General	Select the general settings, such as modem and ringer volume and whether to turn JBIG compression and Error Correction on or off.
4	Send	Select the settings for faxes that are sent from the product, such as whether to check for a dial tone before sending, whether the header should appear at the top of the fax, or how many times you want the product to retry if the receiving fax line is busy or does not answer.
5	Receive	Select the settings for received faxes, such as which output bin the faxes are to be delivered, if you want incoming faxes to be scaled to the size of paper in the input tray, and the number of another fax product to which incoming faxes can be forwarded.
6	Print Activity Log	Click this button to print the internal modem's fax activity log. The activity log lists all incoming and outgoing fax calls since the log was last cleared and is printed to the product.
7	Clear Activity Log	Click this button to clear all entries in the fax activity log. HP recommends printing the fax activity log periodically for record-keeping purposes, and then clearing the fax activity log to keep its size to a minimum.
8	Security	Click this button to set the security features for the internal modem. The first time you configure the security features, you are asked to type (and confirm) a Security PIN. Thereafter, you will need that PIN to view and reconfigure the security features.
9	Diagnostics	Click this button to set the diagnostic features of the internal modem.

When you click the **Security** button, the **Establish PIN Number** screen appears. You can use this screen to establish a user-specific personal identification number (PIN) to control access to the Send to Fax feature.



**Figure 4-6** Establish PIN Number screen

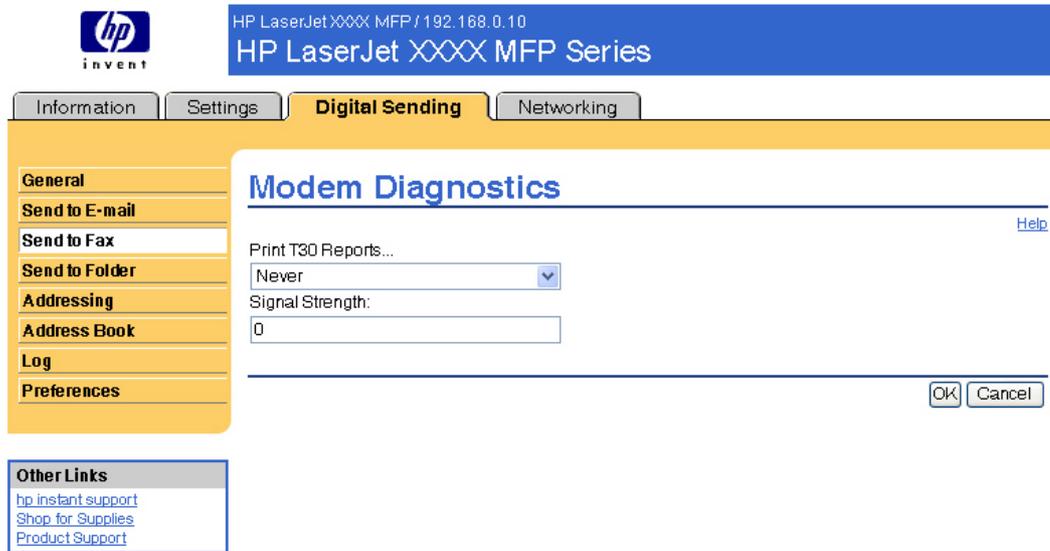
When you click the **Diagnostics** button on the **Advanced Fax Settings** screen, the **Modem Diagnostics** screen appears, as shown in the following illustration.

In the **Print T30 Reports** field, you can set the frequency with which T30 reports are printed. T30 reports are detailed reports about the fax communication that occurs during the most recent fax transaction. The reports are useful when diagnosing failed fax sessions and may be requested by a service technician should a support call be necessary. The report will be printed at the MFP either on request or in accordance with the setting you choose.

In the **Signal Strength** field, you can adjust the fax signal strength used to communicate on the phone line.



**CAUTION** The **Signal Strength** setting should not be adjusted unless you are advised to do so by a qualified service technician in order to correct malfunctioning fax communications.



**Figure 4-7** Modem Diagnostics screen

# Send to Folder



**NOTE** The **Send to Folder** screen is not available for the HP LaserJet M3027mfp and M5025mfp products.

Use the **Send to Folder** screen to send scanned documents to shared folders or FTP sites.



**NOTE** The shared folders or FTP sites must be operational before using this tool to add them as destinations.

The following illustration and table describe how to use the **Send to Folder** screen.



**Figure 4-8** Send to Folder screen

**Table 4-6** Send to Folder settings

Callout	Area on the screen	Information or capability that the area provides
1	HP EWS tabs and menus	For more information, see <a href="#">Navigating through the HP Embedded Web Server</a> .
2	Help	Click to open a help file that contains information about the screens on the <b>Digital Sending</b> tab.

**Table 4-6** Send to Folder settings (continued)

Callout	Area on the screen	Information or capability that the area provides
3	Enable Send to Folder	Select the Enable Send to Folder check box to turn on Send to Folder capabilities on the device. Enabling will put a Send to Folder icon on the front panel of the device. The user can select this icon to use this capability.
4	Add	Click Add to set up a new folder destination.
5	Edit	Click Edit to view or change the settings for the predefined folder.
6	Remove	Click Remove to remove the selected folder from the predefined folder list.
7	Remove all	Click Remove All to remove all the predefined folders from the list.
8	Test Folder Access	Click Test Folder Access to test that a predefined folder is accessible by the device.
9	WINS Server	<p>Use the WINS Server setting to specify either the host name or IP address of the WINS server. This setting is necessary if Windows paths and folders are used as folder destinations. The WINS server must be specified when the path to the workstation or server is of the form \\host-name\share.</p> <div style="display: flex; align-items: flex-start;"> <div style="margin-right: 10px;">  </div> <div> <p><b>NOTE</b> If the hostname for your Shared Folder destinations are all specified as IP addresses (for example, \\192.000.0.1\Topfolder), then a WINS server does not need to be provided. In this case, set the WINS server to be 0.0.0.0.</p> </div> </div>
10	NTLM Authentication Setting	<p>Use the NTLM Authentication setting to specify the authentication setting in use by the server/workstations in your computing environment. The following are the default settings commonly in use:</p> <ul style="list-style-type: none"> <li>● Windows 95, Windows 98 and Windows Me hosts - Select Send LM and NTLM encrypted password.</li> <li>● Windows NT 4.0 (earlier than service pack 4) - Select Send NTLM encrypted password.</li> <li>● Windows NT 4.0 service pack 4 - Select Use NTLM V2 Authentication</li> <li>● Windows 2000 or later operating systems - Select Use NTLM V2 Authentication</li> <li>● Mixed environments - Select Send LM and NTLM encrypted password.</li> </ul>

## Adding a predefined folder

Follow these steps to add a predefined folder to the list.

1. Click Add.... This will allow you to set up and test a folder destination for the user to select at the device. After clicking Add, you will go to a series of two web pages to first choose the destination type then set up the predefined folder. On both of these pages, specify the settings then click the OK button.
2. After adding and configuring the predefined folder and clicking OK, you will return to this page. The new predefined folder will appear in the Predefined Folders list. The alias name for each folder will be shown in the list.

## Editing or viewing a predefined folder

Follow these steps to edit or view a predefined folder.

1. Select a folder from the Predefined Folders list by clicking on it.
2. Click Edit, and you will go to a new web page to view or change the settings for the predefined folder. Then, click the OK button to return back to this page if you change settings or the Cancel button if you don't make changes.

## Removing a predefined folder

Follow these steps to remove a predefined folder from the device:

1. Select a folder from the Predefined Folders list by clicking on it.
2. Click Remove... and click OK to confirm. The selected folder destination will be removed from the device.
3. Repeat the above steps to remove additional folders, or use the Remove All button as described below.

## Removing all folders

Follow these steps to remove all folders from the device:

1. Click Remove All.
2. Click OK to confirm. All folders will be removed.

## Testing a predefined folder

Follow these steps to test that a predefined folder is accessible by the device.

1. Select a folder from the Predefined Folders list.
2. Click Test Folder Access. If device user's credentials are to be used to access the folder, you will need to provide the user credentials when prompted to complete the test.

When completed, a message box will be displayed in a gray box near the top of the page indicating the test results.

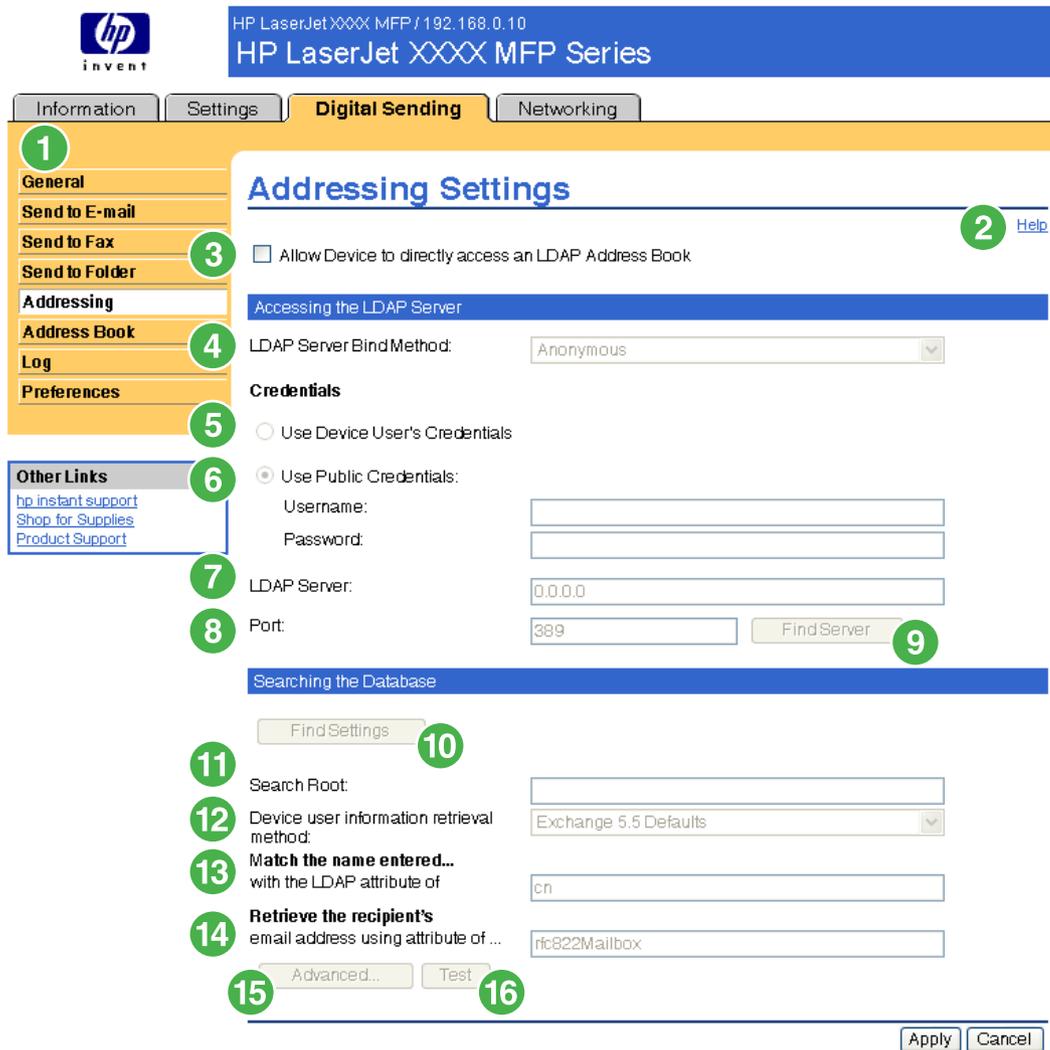
# Addressing



**NOTE** The LDAP protocol is typically only used in corporate e-mail environments. If you are using an ISP for e-mail services, HP recommends that you use the e-mail **Address Book** function.

In order for the product to send scanned documents, you must provide one or more destination address. The product addressing feature simplifies this process by accessing the network LDAP server.

Use the **Addressing** screen to set features that allow the product to get addresses directly from the database of a Lightweight Directory Access Protocol (LDAP) server instead of from a replicated LDAP Address Book. Using the LDAP Address Book directly guarantees that the latest addresses are used. A message appears on the screen if the LDAP server settings are invalid or cannot be detected automatically. The following illustration and table describe how to use this screen.



**Figure 4-9** Addressing Settings screen

**Table 4-7** Addressing Settings

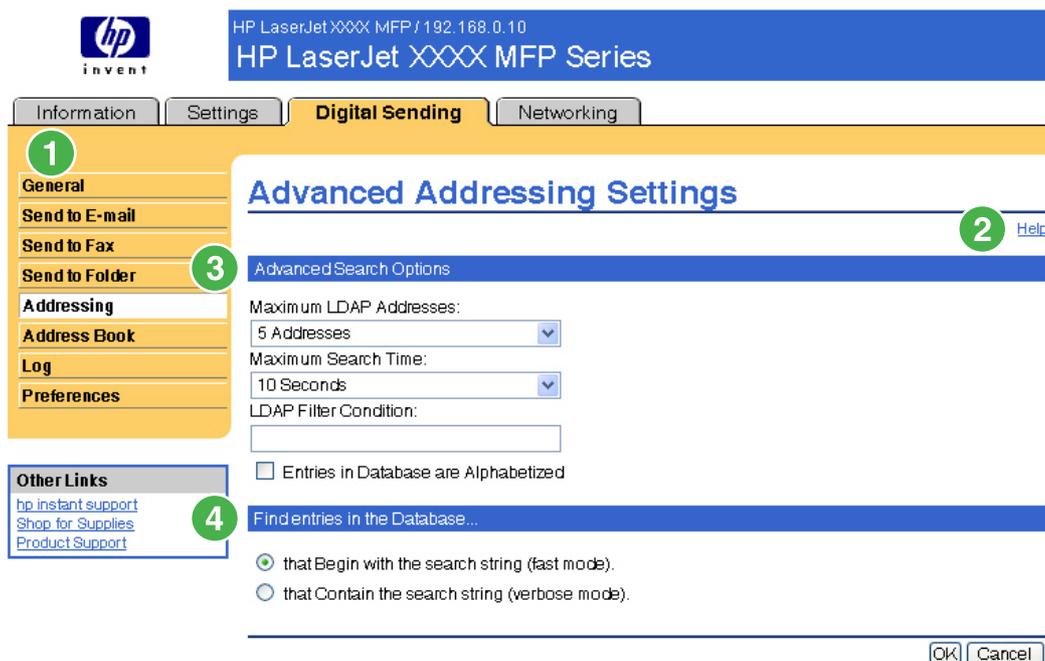
Callout	Area on the screen	Information or capability that the area provides
1	HP EWS tabs and menus	For more information, see <a href="#">Navigating through the HP Embedded Web Server</a> .
2	Help	Click to open a help file that contains information about the screens on the <b>Digital Sending</b> tab.
3	Allow Device to directly access an LDAP Address Book	Select this check box to provide the device direct access to an LDAP Address Book.
4	LDAP Server Bind Method	<b>Anonymous</b> Select this option to connect to the LDAP server if the LDAP server does not require user credentials to access the LDAP database.
		<b>Simple</b> Select this option to connect to the LDAP server if the LDAP server requires user credentials to use the LDAP database.  When this option is selected, you must enter the user, password, and domain. Note that the password will be sent across the network unencrypted.
		<b>Simple over SSL</b> Select this option to connect to the LDAP server if the LDAP server requires user credentials to use the LDAP database. This option supports Kerberos v2.  When this option is selected, you must enter the user, password, and domain.
		 <b>NOTE</b> This option is not available for all products.
5	Use Device User's Credentials	You can only use this setting if Authentication is enabled for SMTP <i>and</i> individual device users have accounts on the SMTP server. In most cases, <b>Use Public Credentials</b> is the preferred method.
6	Use Public Credentials	Use this setting to set a single name and password for SMTP authentication for the device to use for all users.  These public credentials are used to connect to the LDAP directly. When public credentials are entered, these credentials are used by the device to access the LDAP directory when any user uses the device.
7	LDAP Server	Type the host name or TCP/IP address of the LDAP server whose database contains the centralized address book.
		 <b>NOTE</b> Some products recognize only TCP/IP addresses. In such cases, host names are converted to the equivalent TCP/IP address.
8	Port	Type the TCP/IP port number on which the server is processing LDAP requests. This is typically port 3268.
9	Find Server	Click this button to search for available LDAP servers.
10	Find Settings	Click this button to have the product attempt to determine the best settings for the specified server when searching the LDAP database.

**Table 4-7** Addressing Settings (continued)

Callout	Area on the screen	Information or capability that the area provides
11	Search Root	<p>Type the Distinguished Name (DN) of the entry in the LDAP directory structure where address searching is to begin. A DN is made up of "attribute=value" pairs, separated by commas. For example:</p> <pre>ou=departmentname,o=companyname</pre> <pre>ou=marketing,o=Hewlett Packard,c=US</pre> <pre>o=hp.com</pre> <pre>ou=engineering,cn=users,dc=hp,dc=com</pre> <p> <b>NOTE</b> For some LDAP servers, the search root can be left blank (in which case its root node will be assumed).</p>
12	Device user information retrieval method	<p><b>Exchange 5.5 Defaults</b> Select this option if you are connecting to a Microsoft Exchange 5.5 server that is running LDAP. The LDAP attribute values are automatically set.</p> <hr/> <p><b>Active Directory Defaults</b> Select this option if you are connecting to a Microsoft Exchange Server 2000 server that is running LDAP. The LDAP attribute values are automatically set.</p> <hr/> <p><b>Custom</b> Select this option if you need to manually configure the LDAP attribute values.</p>
13	Match the name entered with the LDAP attribute of	<p>Type the attribute in the LDAP database that identifies a person in the address book. The value of this attribute will be compared to the name that the user types in order to retrieve the person's e-mail address. The following are a few possible LDAP attributes:</p> <ul style="list-style-type: none"> <li>● uid: User Identifier</li> <li>● cn: Common Name</li> <li>● sn: Surname (Last Name)</li> <li>● givenName: First Name</li> </ul>
14	Retrieve the device user's e-mail address using attribute of	<p>Type the LDAP attribute that contains the person's e-mail address. The following are two of the possible LDAP attributes:</p> <ul style="list-style-type: none"> <li>● rfc822Mailbox</li> <li>● mail</li> </ul>
15	Advanced	Click this button to open a new screen where you can set advanced LDAP server features. For more information, see <a href="#">Advanced Addressing Settings</a> .
16	Test	Click this button to test the settings that you specified.

## Advanced Addressing Settings

The following illustration and table describe how to use the **Advanced Addressing Settings** screen.



**Figure 4-10** Advanced Addressing Settings screen

**Table 4-8** Advanced Addressing Settings

Callout	Area on the screen	Information or capability that the area provides
1	HP EWS tabs and menus	For more information, see <a href="#">Navigating through the HP Embedded Web Server</a> .
2	Help	Click to open a help file that contains information about the screens on the <b>Digital Sending</b> tab.
3	Advanced Search Options	Select the advanced LDAP server search settings. The following settings are available. <ul style="list-style-type: none"> <li>● <b>Max LDAP Addresses.</b> Use this control to set the number of matching e-mail addresses returned by a single search. The smaller the number, the quicker the search.</li> <li>● <b>Max Search Time.</b> Use this control to set the amount of time that the device will wait for a response from the LDAP server. In environments where the LDAP server is busy or the network is slow, this timeout should be increased.</li> <li>● <b>LDAP Filter Condition.</b> Use this control to set up an optional LDAP filter to “filter out” e-mail addresses.</li> </ul>
4	Find entries in the Database	Select whether the LDAP search queries include entries that begin with the partial name or all entries that contain the partial name anywhere within the entry's name.

# Address Book



**NOTE** The **Address Book** screen does not appear in the HP EWS for the HP LaserJet M3027mfp and M5025mfp products or for future releases of the HP EWS for the HP LaserJet M3035mfp, HP LaserJet M4345mfp, and HP LaserJet M5035mfp products. Instead, these products include a series of other Address book screens, including an **E-mail address book** and a **Fax address book** screen. For more information about these features, see the [Other Address book screens](#) section.

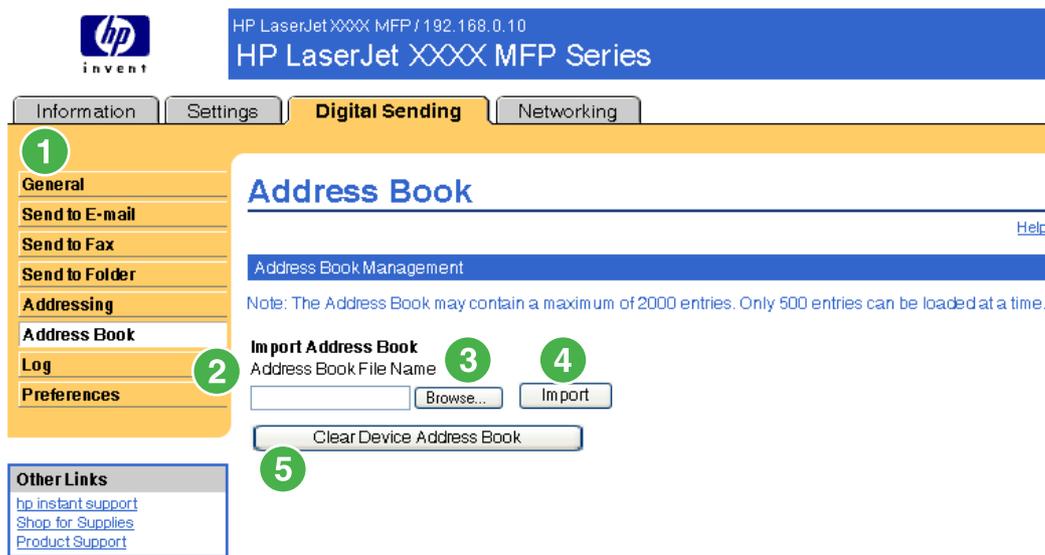
Use the **Address Book** screen to add a predefined list of destination addresses, in the form of a comma-separated value (.CSV) file, to be imported into the product internal address book. The .CSV file is a plain-text file (in UTF-8 encoding) that contains each e-mail address entry on a separate line. An entry consists of an alias, which is the name that appears, followed by a comma and an e-mail address. The aliases and the e-mail addresses cannot contain any commas. The following are examples.

name1, name1@your.company.com

name2, name2@your.company.com

At the product, the user uses the alias name to search for a destination address.

The following illustration and table describe how to use this screen.



**Figure 4-11** Address Book screen

**Table 4-9** Address Book

Callout	Area on the screen	Information or capability that the area provides
1	HP EWS tabs and menus	For more information, see <a href="#">Navigating through the HP Embedded Web Server</a> .
2	Address Book File Name	Use this field for the path of the .CSV address book file.
3	Browse	Click this button to find the .CSV address book file.

**Table 4-9** Address Book (continued)

Callout	Area on the screen	Information or capability that the area provides
4	Import	After the path of the .CSV file appears in the <b>Address Book File Name</b> field, click this button to import the address book into the product internal address book. This feature is able to store up to 2000 e-mail addresses.
5	Clear Device Address Book	Click this button to clear the contents of the device's internal address book.

## Other Address book screens



**NOTE** The following screens do not appear in the current release of the HP EWS for the HP LaserJet M3035mfp, HP LaserJet M4345mfp, and HP LaserJet M5035mfp products. Instead, these products use the **Address Book** screen. For more information about these features, see the [Address Book](#) section.

The current HP EWS for the HP LaserJet M3027mfp and M5025mfp products include several address book screens on the **Digital Sending** tab. Future releases of the HP EWS for the HP LaserJet M3035mfp, HP LaserJet M4345mfp, and HP LaserJet M5035mfp products will also use these screens. The following screens are available:

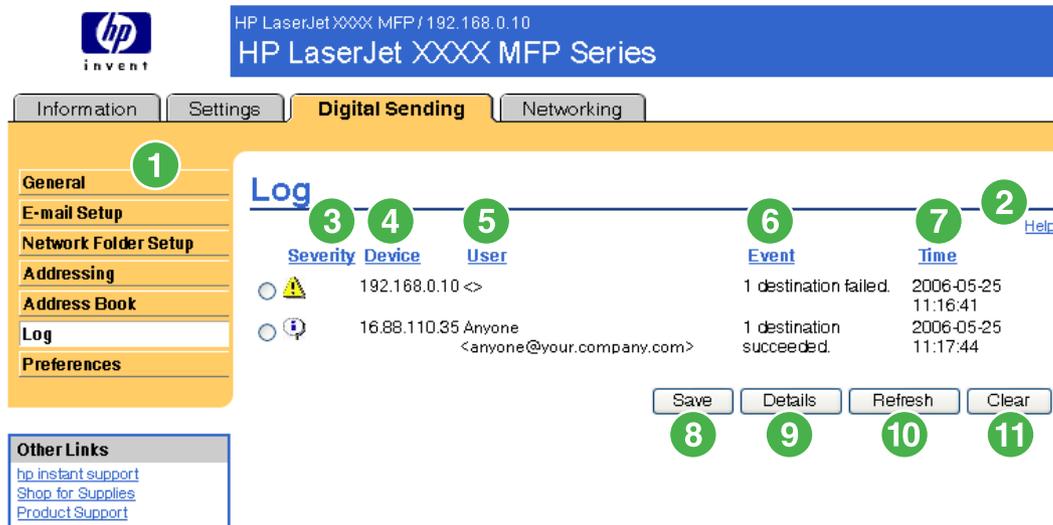
- **E-mail Address Book.** Use this screen to add, edit, and delete e-mail addresses and distribution lists in the product e-mail address book.
- **Fax Address Book.** Use this screen to add, edit, and delete fax numbers in the product fax address book.
- **Fax Speed Dials.** Use this screen to add, edit, and delete fax speed dial settings for the product.
- **Import/Export.** Use this screen to add a predefined list of destination addresses, in the form of a comma-separated value (.CSV) file, to be imported into the product internal address book for both fax and e-mail. You can also use this screen to export this same information to another device or archive.

# Log

Use the **Log** screen to view digital sending job information, including any errors that occur. The following illustration and table describe how to use this screen.



**NOTE** If the HP DSS has been installed, digital-sending activities are logged in the HP DSS instead of in the HP EWS. To view the log, open the HP MFP DSS Configuration Utility, and then click the **Log** tab. The entries visible in HP EWS are only those related to activities configured either at the control panel or through HP EWS screens.



**Figure 4-12** Log screen

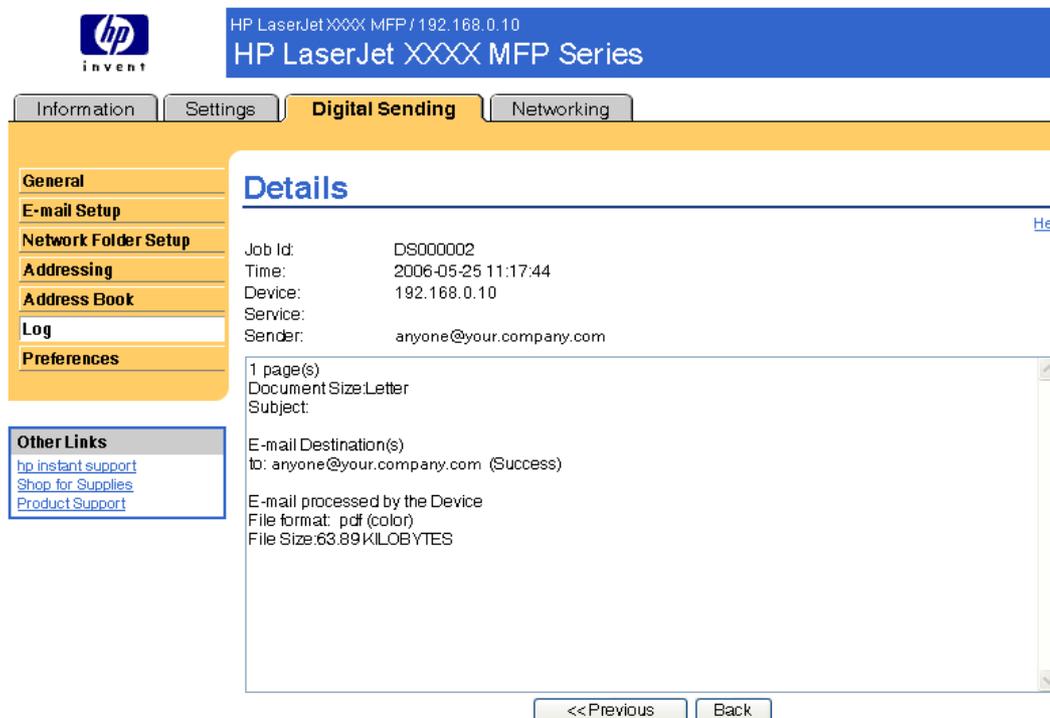
**Table 4-10** Log

Callout	Area on the screen	Information or capability that the area provides
1	HP EWS tabs and menus	For more information, see <a href="#">Navigating through the HP Embedded Web Server</a> .
2	Help	Click to open a help file that contains information about the screens on the <b>Digital Sending</b> tab.
3	Severity	Lists the severity of the error, if applicable, for each log entry.
4	Device	Lists the TCP/IP address of the device.
5	User	Lists the user that initiated the event.
6	Event	Describes if the event was successful or if an error occurred.
7	Time	Shows the time for each log entry.
8	Save	Click this button to save the log information to a file.
9	Details	Select the log entry and then click the <b>Details</b> button to view the log entry details.
10	Refresh	Click this button to update the view to include the latest log information.
11	Clear	Click this button to clear the information from the log.

**Table 4-10** Log (continued)

Callout	Area on the screen	Information or capability that the area provides
		<b>NOTE</b> Clicking the <b>Clear</b> button merely clears the log that appears onscreen. The log entries remain on the product for job-accounting purposes.

When you click the **Details** button on the **Log** screen, the **Details** screen appears. This screen shows information about digital sending jobs, such as job ID, the time the job was sent, the sender name, and other details.



**Figure 4-13** Details screen

For jobs that were not sent successfully, a **Troubleshoot** button appears at the bottom of the **Details** screen. When you click **Troubleshoot**, the **Troubleshoot** screen appears. Click the underlined link that appears below the details (**Internal E-mail Error** in the example below) to open a screen that can help you troubleshoot the problem.

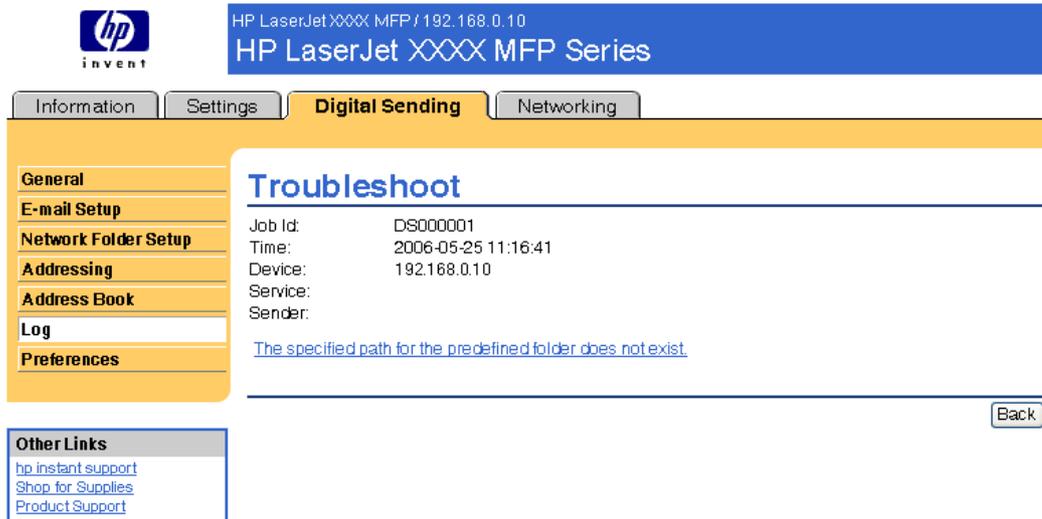


Figure 4-14 Troubleshoot screen

## Preferences

Use the **Preferences Settings** screen to configure general settings for the digital-sending features. The following illustration and table describe how to use this screen.

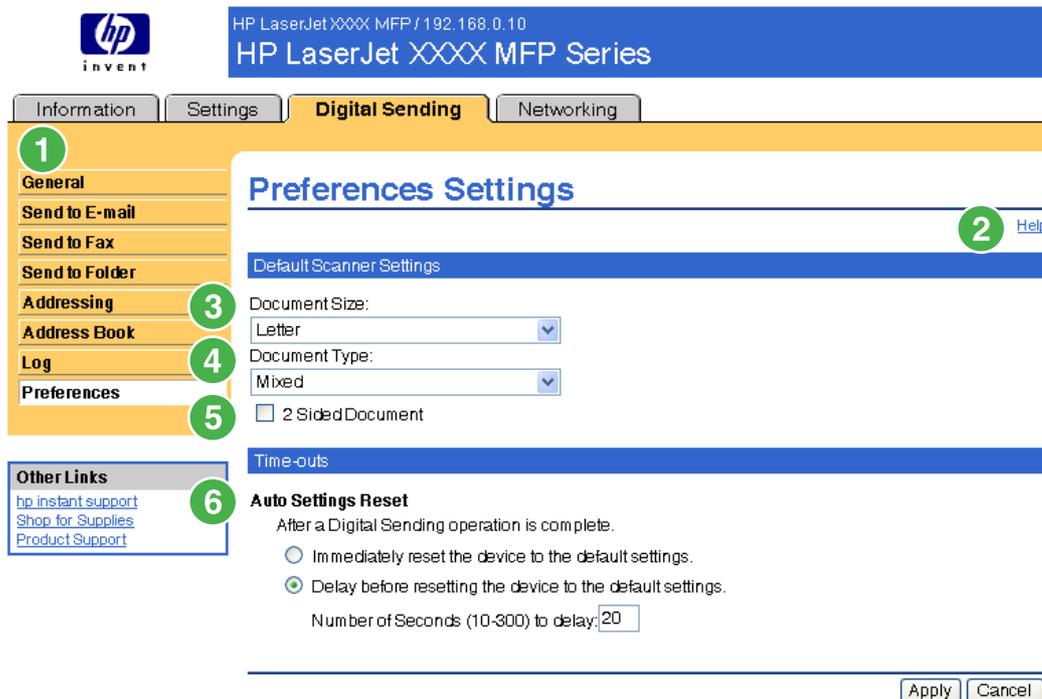


Figure 4-15 Preferences Settings screen

**Table 4-11** Preferences Settings

Callout	Area on screen	Information or capability that the area provides
1	HP EWS tabs and menus	For more information, see <a href="#">Navigating through the HP Embedded Web Server</a> .
2	Help	Click to open a help file that contains information about the screens on the <b>Digital Sending</b> tab.
3	Document Size	Select the default media size that you want the product scanner to use when scanning a document.
4	Document Type	Select the default media type that you want the product image processor to use when scanning a document. <ul style="list-style-type: none"><li>• <b>Text</b></li><li>• <b>Graphics</b></li><li>• <b>Mixed</b></li></ul>
5	2 Sided Document	Select this check box to have the product scan both sides of a document.
6	Auto Settings Reset	Use the time-outs options to reset all digital sending settings that are associated with a job to the product default settings. You can have the settings reset immediately after a digital-send operation in which the settings have been changed by a user, or to delay the reset for any interval from 10 to 300 seconds.

# Kerberos Authentication



**NOTE** The **Kerberos Authentication** screen will appear in future releases of the HP EWS for the HP LaserJet M3035mfp, HP LaserJet M4345mfp, and HP LaserJet M5035mfp products.

Kerberos is a network authentication protocol. It is designed to provide secure authentication for client/server applications by using secret keys delivered with session tickets.

Before following the steps outlined here, you must have completed the following steps:

1. Install the Microsoft LDP tool.
2. Discover the LDAP server.
3. Set up LDP.

After you have performed these steps, perform the steps in the following section, [Initializing Kerberos authentication](#).

## Initializing Kerberos authentication

Follow these steps to initialize Kerberos Authentication for your product.



**NOTE** Embedded Kerberos Authentication uses session tickets in the authentication process. The session tickets are time stamped by both the Kerberos Domain Controller (KDC) and the product. It is essential that the stamped times are within five minutes of each other. This can be accomplished by setting identical time on both the KDC and product.

1. Open the HP EWS in a web browser.
2. Select the **Settings** tab, and then **Kerberos Authentication**.
3. Under the **Accessing the Kerberos Authentication Server** section, perform the following steps:
  - a. Type the domain name in the **Kerberos Default Realm (Domain)** field. The domain name is case-sensitive and must use only uppercase letters, for example: `TECHNICAL.MARKETING`.
  - b. Type the product IP address in the **Enter the Kerberos Server Hostname** field, for example: `15.62.64.203` (IP address)



**NOTE** The **Kerberos Server Port** field fills automatically as **88**.

4. Under the **Accessing the LDAP Server** section, perform the following steps:
  - a. Select **Kerberos** from the **LDAP Server Bind Method** drop-down menu.
  - b. Click to select the Credential method you want to use.

If choosing **Use Public Credentials**, type in a username and password.



**NOTE** Remember how you set up the username on the LDP screen. The username is defined within the device user DN value in the LDP trace and is not in standard Windows domain account format. The format is often your entire e-mail address, including the `@xx.xx`.

- c. Type the LDAP server in the **LDAP Server** field.
  - d. Type 389 in the **Port** field.
- 5.** Under the **Searching the LDAP Database** section, perform the following steps:
- a. Paste the Search Prefix into the **Search Root** field.
  - b. Type in the sAMAccountName into the **Match the name entered with the LDAP attribute of field**.
  - c. Find the device user e-mail address in the LDP trace. Copy the attribute defining the e-mail address, and paste it into the **Retrieve the device user's e-mail address using attribute of field**.
- Some Kerberos environments require very specific attributes. For example, the attribute used here is `userPrincipalName` instead of `mail`.
- d. Find the device user **name using the attribute of** in the LDP trace. Copy the attribute defining the name, and paste it into the **and name using the attribute of field**.
- 
-  **NOTE** The Kerberos environment requires `cn` instead of `displayName`.
- 
- e. Click **Apply**.

When you have finished these steps, continue with the steps in the next section, [Configure the Authentication Manager for Kerberos Authentication](#).

## Configure the Authentication Manager for Kerberos Authentication

Follow these steps to continue configuring Kerberos Authentication for your product.

- 1.** Click **Authentication Manager** on the **Settings** tab in the HP EWS.
- 2.** Perform the following steps:
  - a. Under the **Home Screen Access** section, select **Kerberos** from the **Log In At Walk Up** drop-down menu.
  - b. Under the **Device Functions** section, select **Kerberos** from the drop-down menus of desired functions to be authenticated.
  - c. Optional: Under the **Future Installations** section, select **Kerberos** from the Newly Installed Functions drop-down menu. By selecting this option, Kerberos authentication is automatically applied to new device functions when they are installed on the product.
- 3.** Click **Apply**.

When you have finished these steps, continue with the steps in the next section, [Configure Address Settings for Kerberos Authentication](#).

## Configure Address Settings for Kerberos Authentication

Follow these steps to continue configuring Kerberos Authentication for your product.

- 1.** Click the **Addressing** on the **Digital Sending** tab in the HP EWS.
- 2.** Click to select the **Allow device to directly access an LDAP Address Book** check box.

3. Under the **Accessing to LDAP Server** section, perform the following steps:

a. Select **Kerberos** from the **LDAP Server Bind Method** drop-down menu.



---

**NOTE** The LDAP Server Bind Methods on the **Addressing Settings** and **Kerberos Authentication** screens must match for Kerberos authentication to work properly.

---

b. Under **Credentials**, click to select the **Use Public Credentials** option.

- Type in the Username and Password.
- Type in the Kerberos Default Realm (Domain), for example: TECHNICAL.MARKETING.
- Type in the Kerberos Server Hostname, for example: 15.62.64.203.
- Type in the Kerberos Server Port, for example: 88.

c. Type in the LDAP Server, for example: 15.98.10.51.

d. Type in the Port number, for example: 389.

4. Under the **Searching the Database** section, perform the following steps.

a. Type in the Search Prefix into the **Search Root** field.

b. Select an option from the three options on the **Device user information retrieval method** drop-down menu. The appropriate choice depends on your network environment.

- Select **Exchange 5.5 Defaults** when Exchange 5.5 servers are used in LDAP addressing.
- Select **Active Directory Defaults** for Windows 2000 or later network environments.
- Select **Custom** for specialized network environments.

5. Click **Apply**.

When you have finished these steps, continue with the steps in the next section, [Use the MFP control panel for Kerberos Authentication](#).

## Use the MFP control panel for Kerberos Authentication

Follow these steps to finish configuring Kerberos Authentication for your product.

1. At the MFP, touch any option on the main screen of the control panel. The screen displays a request for authentication.



---

**NOTE** Remember the username is defined within the device user DN value in the LDP trace and is often your entire e-mail address, including the @xx.xx.

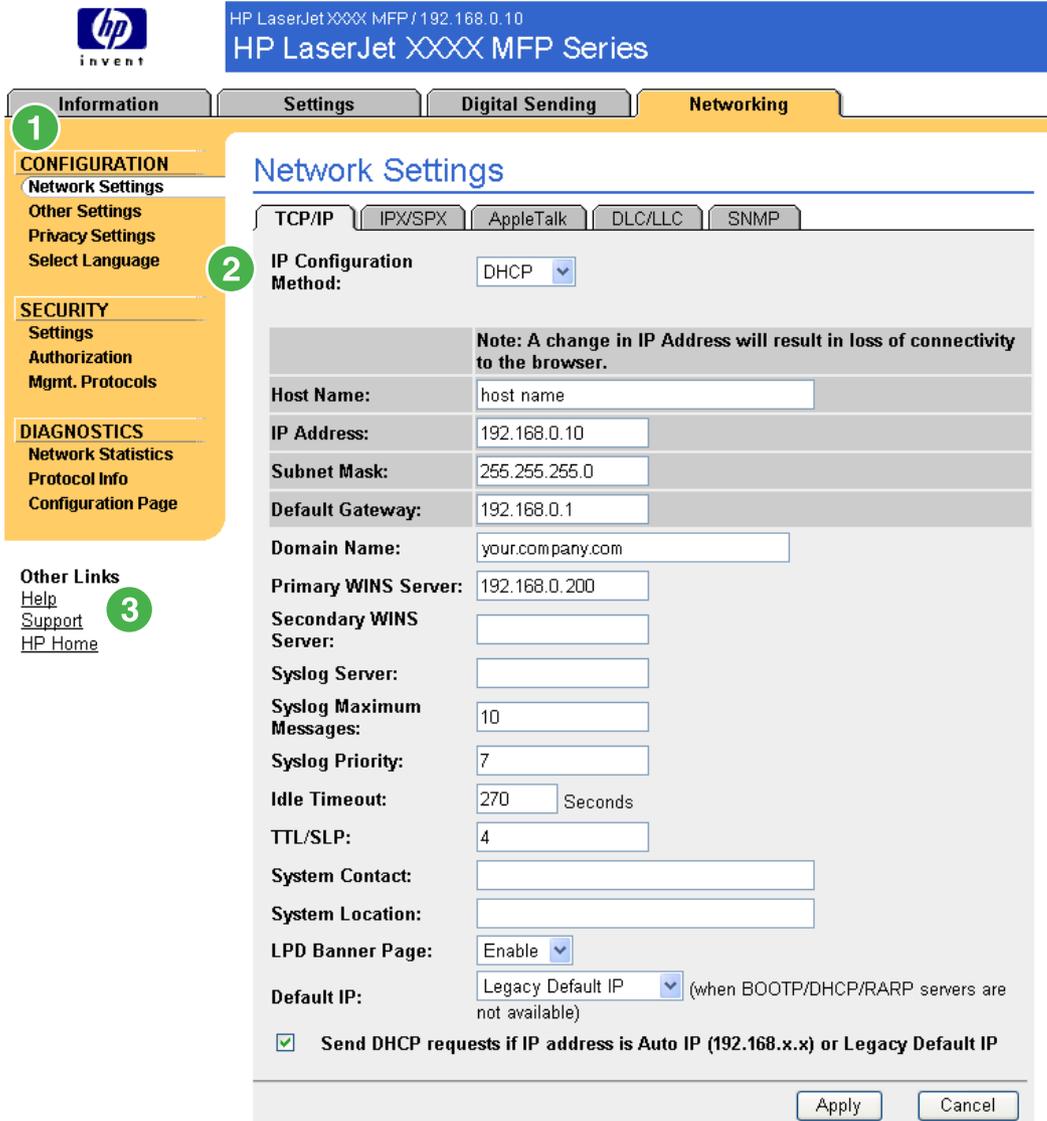
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2. Use the touch screen keypad on the MFP control panel to input the authentication, and then touch **OK**. The chosen option appears, for example, e-mail.

# 5 Managing network operation from the Networking screens

## Overview

Use the Networking screens to configure and manage your product on your network. The appearance and features of the screens available from the **Networking** tab differ, depending on the model and version of your HP Jetdirect print server. The following screen is similar to what you might see when you click **Networking**. From the left navigational bar, click the **Networking** menu for the screen that you want to view.



**Figure 5-1** Network Settings screen

**Table 5-1** Network Settings

Callout	Area on screen	Information or capability that the area provides
1	HP EWS tabs and menus	For more information, see <a href="#">Navigating through the HP Embedded Web Server</a> .
2	Select Language	Select the language for the <b>Networking</b> tab. The list of languages that are available in the <b>Networking</b> tab is <i>not</i> identical to the list of languages that are available in the <b>Settings</b> tab.
3	Help	Click <b>Help</b> for more information about the options on the <b>Networking</b> tab.

Depending on your HP Jetdirect print server model and operating version, the following are some tasks that you can perform from the Networking screens:

- Change network configuration settings for various types of network connections.
- Turn on or turn off printing protocols.
- Set up a support contact and support URLs.
- Set a password to control access to the product and network configuration settings. This password is synchronized with the password that you set on the **Security** screen under the **Settings** tab, so you may set or reset it from either screen.
- Configure the security of your product through the use of passwords, access lists, and management protocols.
- View general network status information, including network statistics that are stored on the print server, for network troubleshooting or optimization.
- View protocol information for all supported network connections.
- Open the HP Jetdirect Configuration page.
- Set the frequency at which the HP EWS checks the network status.

For more information about the Networking screens, see the following sources:

- **Help.** On each Networking screen, a **Help** link under **Other Links** provides a description of the networking features. Also, from the Help screen you can gain access to additional help from the HP Web site.
- **HP Jetdirect Administrator's Guide.** This guide is normally available on the software CD that came with your product and can be downloaded from the hp.com support pages for your product available on the following Web sites.
  - [www.hp.com/support/LJM3027mfp](http://www.hp.com/support/LJM3027mfp)
  - [www.hp.com/support/LJM3035mfp](http://www.hp.com/support/LJM3035mfp)
  - [www.hp.com/support/LJM4345mfp](http://www.hp.com/support/LJM4345mfp)
  - [www.hp.com/support/LJM5025mfp](http://www.hp.com/support/LJM5025mfp)
  - [www.hp.com/support/LJM5035mfp](http://www.hp.com/support/LJM5035mfp)



# 6 Using the Other Links as a resource

The **Other Links** box contains three permanent links that provide quick access to product-specific information, such as interactive troubleshooting and ordering information for genuine HP supplies.

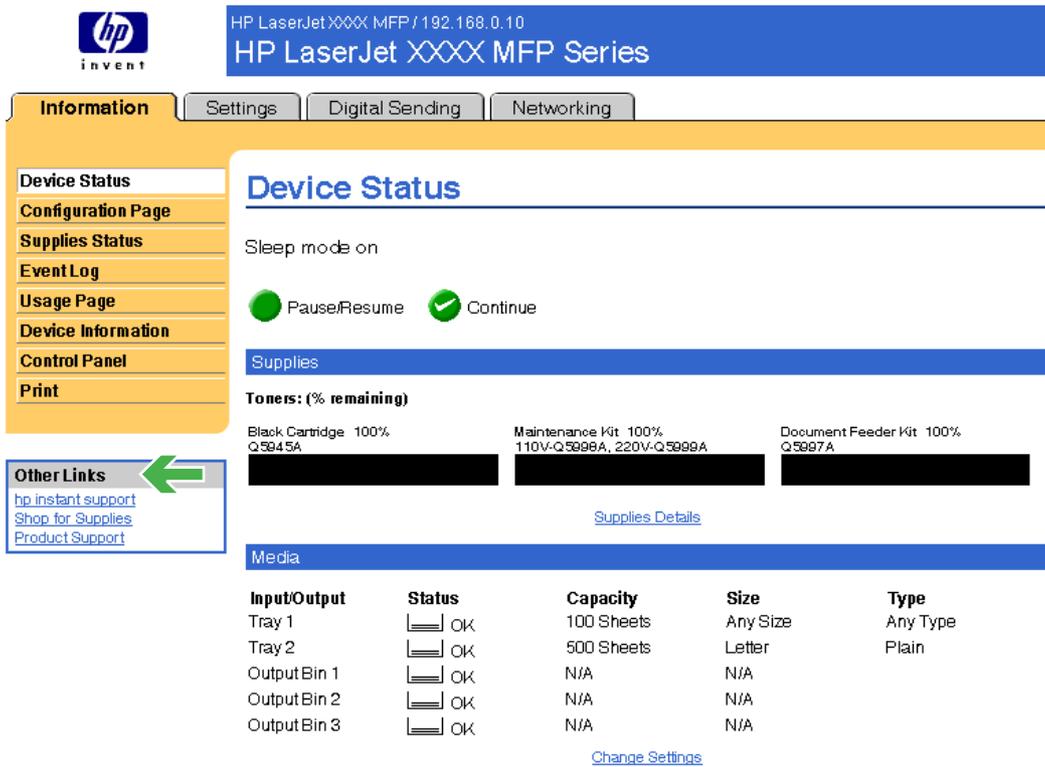


Figure 6-1 Device Information screen



**NOTE** You can use the **Edit Other Links** screen on the **Settings** tab to add up to five customized links to the Web sites of your choice. These links appear throughout the EWS screens, in the **Other Links** box beneath the left navigational bar. For more information, see [Edit Other Links](#).

The following sections describe each of the links that appear by default in the **Other Links** box.

## hp instant support

Hewlett-Packard Company offers hp instant support, an Internet-based support system that collects diagnostic information from your product and matches it with the HP information database. At hp instant support, you can find intelligent solutions that help you resolve problems quickly and easily.

## How hp instant support works

Information is gathered from your product and securely transmitted to Hewlett-Packard Company when you click **hp instant support**. The hp instant support Web site reads the product data to analyze the product's current status. The Web site creates a customized Web page that appears in the browser window and contains easy-to-follow text and visual aids. The hp instant support Web site also directs you to additional services that are available for your product.

Before any of the product data is sent to Hewlett-Packard for analysis, you can view all of the information (for example, the serial number, error conditions, and product status) that will be forwarded. Hewlett-Packard treats this information as confidential.

## Information you can get from hp instant support

The hp instant support Web site provides these tools for troubleshooting and for maintenance:

- Firmware and software updates.
- Troubleshooting for recent events that are listed on the Event Log. For example, the product might show a jam as the most recent event listed in the event Log. The hp instant support Web site detects the event and provides troubleshooting information for the jam.
- Support packs.
- Product documentation, such as user guides and getting started guides.

## Shop for Supplies

The **Shop for Supplies** link connects you to a Web page that facilitates your online ordering of supplies from a reseller of your choice. The supplies that you need are preselected. You can change quantities or select additional items. Your items are added to the shopping cart, ready for checkout, ensuring that the correct supplies are ordered through your selected reseller.

# Product Support

The **Product Support** link connects you to a Web page that brings together a comprehensive menu of support resources that business people need. From this Web page, you can accomplish these tasks and more:

- Find a list of HP products at one site: computers, workstations, servers, storage devices, printer, scanners, digital imaging, and mobile devices.
- Obtain technical support. Solve a problem; find information to set up, install, and configure your product; discover and use a product; maintain your product; upgrade and migrate your product software and driver; and recycle products or dispose of them correctly.
- Gain access to self-solve resources such as FAQs, user documentation, features and specifications, and product-compatibility information.
- Collaborate with HP and with your peers through discussion groups, e-mail support, and phone support.
- Use task-based navigation to identify the task area that you want to work on and quickly discover related topics and tools.

In addition, you can find these features: hot topics, a subscription center, product rebate offers and other announcements, and training and education opportunities.

# My Service Provider and My Service Contract

The **My Service Provider** and the **My Service Contract** links appear only if they have been created (and perhaps renamed) by the service provider in the Other Links screen on the **Settings** tab. The link can then be clicked by any user to get information about the service provider and the service contract. The information, which can be up to 50 characters long, is stored in the permanent storage of the product.

When these links have been created, the appearance of the **Other Links** box changes to include the new links, as shown in the following illustration.



**Figure 6-2** Other Links



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