



**hp** embedded web server

**hp** color LaserJet 9500mfp  
**hp** LaserJet 9040mfp/9050mfp



# **HP Embedded Web Server**

## **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, can show output from a Web server.

An embedded Web server (EWS) resides on a hardware product (such as a printer) or 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, 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, HP Color LaserJet printers, and HP LaserJet MFPs, unless otherwise noted. For specific information about the features that your printer or multifunction peripheral (MFP) supports, see the documentation that came with your product.

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## Features

You can use the HP Embedded Web Server to view product and network status and to manage printing functions from your computer, rather than at the product control panel. With the HP Embedded Web Server, 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 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.
- Select the language in which to display the HP Embedded Web Server screens.
- Print to an HP product without having to install the product printer 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.

## Additional features with a permanent storage device

If you have a permanent storage device installed in your product, such as a hard disk, you can view, set up, and retain additional information.

- **Alerts.** Set up four different destination lists, with up to 20 recipients on each of the four lists. (Without the permanent storage device, you can send alerts to only four e-mail addresses.)
- **Other Links.** Add up to five additional links to the Web sites of your choice. (Without the extra storage, you can add one additional link.)

A hard disk might be installed in your product, depending on the product model. If your product does not have a hard disk, you might be able to order one. For more information, see the user guide that came with your product, or go to:

<http://www.hp.com/country/us/eng/othercountriesbuy.htm>.

## 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 Embedded Web Server 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 Embedded Web Server 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 (<http://www.hp.com/go/webjetadmin>).



# System requirements

In order to use the HP Embedded Web Server, you must have the following components:

- A supported Web browser. EWS-supported Web browsers include (but are not limited to) the following:
  - Konqueror 3.0 or later
  - Microsoft Internet Explorer 6.0 or later
  - Mozilla 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- (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 Embedded Web Server.

### Note

You cannot view the HP Embedded Web Server screens from outside of a firewall.

- 1 Open a supported Web browser.
- 2 In the **Address** or **Go to** field, type the Internet protocol (IP) address that is assigned to the product (for example, `http://192.168.1.1`) or the host name (for example, `npi[XXXXXX]` or a configured host name such as `http://www.[your_server].com`).

If you do not know the IP address for the product, you can find it on the Configuration page. See the user guide that came with your product to see how to print a Configuration page at the control panel.

## Login and logoff

The HP Embedded Web Server (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 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 Embedded Web Server, 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 Embedded Web Server tabs (**Settings**, **Digital Sending**, and **Networking**).

### Note

For information about changing passwords as an IT administrator, see [“Security” on page 31](#). 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.



- 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 EWS continues to run and could pose security risks.

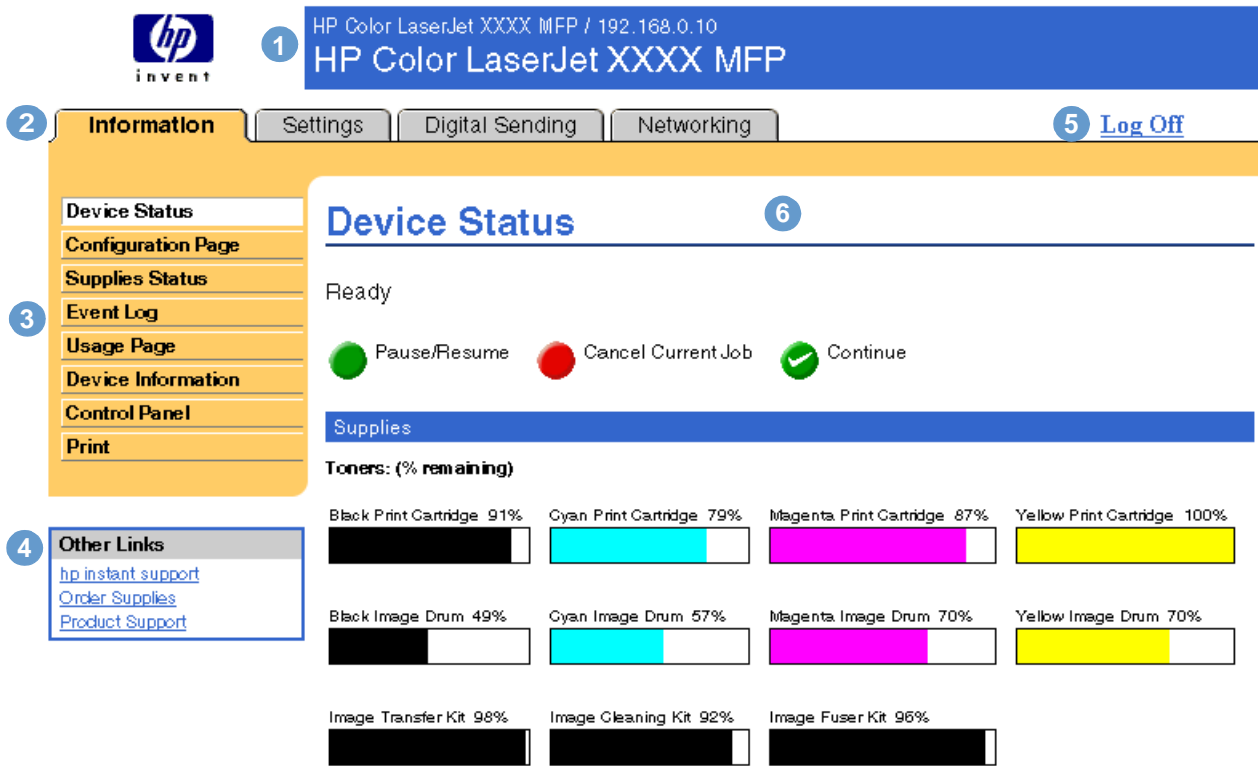
# Navigating through the HP Embedded Web Server

To navigate through the HP Embedded Web Server 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 EWS screens.

**Note**

The appearance of the 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.



Callout	EWS screen feature	Description		More information
1	Product name and IP address	View the product name and Internet protocol (IP) address.		
2	Tabs	<b>Information</b> tab	View information about the product. You cannot configure the product using the screens on this tab.	See "Viewing product status from the Information screens" on page 7.
		<b>Settings</b> tab	Use the features on this tab to configure the product.	See "Configuring the product from the Settings screens" on page 19.
		<b>Digital Sending</b> tab	Use the features on this tab to configure the digital sending capabilities.	See "Setting the digital sending options" on page 39.
		<b>Networking</b> tab	View network status and configure the product network card.	See "Managing network operation from the Networking screens" on page 55.
3	Menus	Different on each tab	Click a tab to show the menus.	

Callout	EWS screen feature	Description		More information
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 “Using the Other Links as a resource” on page 57.</li> <li>● See “hp instant support” on page 58.</li> <li>● See “Product Support” on page 59.</li> <li>● See “My Service Provider and My Service Contract” on page 59.</li> </ul>
		<b>Order Supplies</b>	Use the Internet to order genuine HP supplies for your HP product.	
		<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 “Login and logoff” on page 3.
6	Screen	Different on each menu	Click a menu to show a screen.	<ul style="list-style-type: none"> <li>● See “Viewing product status from the Information screens” on page 7.</li> <li>● See “Configuring the product from the Settings screens” on page 19.</li> <li>● See “Managing network operation from the Networking screens” on page 55.</li> </ul>

# 2 Viewing product status from the Information screens

The Information screens are for informational purposes only; you cannot configure the product from these screens. To configure the product through the EWS, see [“Configuring the product from the Settings screens” on page 19](#).

The following are the Information screens:

- Device Status (page 8)
- Configuration Page (page 10)
- Supplies Status (page 12)
- Event Log (page 13)
- Usage Page (page 14)
- Device Information (page 15)
- Control Panel (page 16)
- Print (page 17)

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**Note**

Some products do not support all of these screens.

# 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.

HP Color LaserJet XXXX MFP / 192.168.0.10  
**HP Color LaserJet XXXX MFP**

Information Settings Digital Sending Networking [Log Off](#)

**1** Information

Device Status  
 Configuration Page  
**2** Supplies Status  
 Event Log  
 Usage Page  
**3** Device Information  
 Control Panel  
**4** Print

**Device Status**

Ready

Pause/Resume Cancel Current Job Continue

**4** Supplies

Toners: (% remaining)

Black Print Cartridge 91%	Cyan Print Cartridge 79%	Magenta Print Cartridge 87%	Yellow Print Cartridge 100%
Black Image Drum 49%	Cyan Image Drum 57%	Magenta Image Drum 70%	Yellow Image Drum 70%
Image Transfer Kit 98%	Image Cleaning Kit 92%	Image Fuser Kit 96%	

**5** [Supplies Details](#)

**6** Media

Input/Output	Status	Size	Type
Tray 1	Empty	ANY SIZE	ANY TYPE
Tray 2	40 - 100%	LETTER	PLAIN
Tray 3	40 - 100%	LETTER	PLAIN
LEFT OUTPUT BIN	OK	N/A	N/A

**7** [Change Settings](#)

**8** Capabilities

```

Device Serial Number: XXXXXXXXXX
Firmware Datecode: 20040531 20040531
Duplex: OFF
Mopier: ON
ADF Yes
Optical Resolution 600
Color Scanning Yes
  
```

Callout	Area on the screen	Information or capability that the area provides
<b>1</b>	EWS tabs and menus	For more information, see “Navigating through the HP Embedded Web Server” on page 5.
<b>2</b>	Status	Shows the product status (the same information that appears on the control-panel display).
<b>3</b>	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 Security screen on the <b>Settings</b> tab.
<b>4</b>	Supplies	Shows the percentage of life remaining for each supply.

<b>Callout</b>	<b>Area on the screen</b>	<b>Information or capability that the area provides</b>
5	Supplies Details	Opens the Supplies Status screen, where you can view information about product supplies.
6	Media	Shows the status and configuration information for the input trays and output bins.
7	Change Settings	Opens the Other Settings screen, where you can change the paper-type settings.
8	Capabilities	Lists components that are installed in the product.

# Configuration Page

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

The screenshot shows the HP Configuration Page for an HP Color LaserJet XXXX MFP. The page is divided into several sections, with callouts 1 through 6 highlighting specific areas:

- Callout 1:** Points to the left-hand navigation menu, which includes options like Device Status, Configuration Page, Supplies Status, Event Log, Usage Page, Device Information, Control Panel, Print, and Other Links.
- Callout 2:** Points to the 'Device Information' section, which displays various product details.
- Callout 3:** Points to the 'Installed Personalities and Options' section, which lists various printer options and their capacities.
- Callout 4:** Points to the 'Memory' section, which displays memory-related information.
- Callout 5:** Points to the 'Security' section, which displays security-related settings.
- Callout 6:** Points to the 'Paper Trays and Options' section, which displays paper tray settings.

**Device Information**

Product Name:	HP Color LaserJet XXXX MFP
Device Name:	HP Color LaserJet XXXX MFP
DC Controller:	B
Model Number:	CXXXXA
Device Serial Number:	XXXXXXXXXX
Formatter Number:	S46XXXXXXXX
CPB:	0.156 (1.8)
SCB:	MFP301 02
Firmware Datecode:	20040531 20040531
Service ID:	00000
PS Wait Time-out:	300 seconds
Page Count:	4041
Color Page Count:	3933

**Installed Personalities and Options**

PCL	(20010402)
PCLXL	(20010402)
POSTSCRIPT	(20010402)
PDF	(20021216)
XHTML	(700)
MIME	(700)
DIMM Slot 1:	Empty
DIMM Slot 2:	512 MB DDR
Card Slot 1:	SMART ATA FLASH DISK: 2 MB
Card Slot 2:	Empty
Card Slot 3:	Empty
EIO 1:	HP J6054B
EIO 2:	HP JetDirect
EIO 3:	HP Scanner Processor Card
Internal Fax	
DISK Storage:	18949 MB Capacity
CARD SLOT Storage:	2 MB Capacity
LDAP Gateway	15.66.8.155
SMTP Gateway	15.62.4.130
hp MFP Digital Sending Server	15.98.155.92

**Memory**

Installed DIMM Memory:	512 MB
On Board Memory:	128 MB
Total RAM:	640 MB
DWS:	6.0
Automatic Resource Saving Enabled:	

**Security**

Control Panel Lock:	NONE
Control Panel Password:	DISABLED
Device Type: DISK	Write Protect: DISABLED
Device Type: CARD SLOT	Write Protect: DISABLED
File System Access:	
PJL:	ENABLED
PML:	ENABLED
NFS:	ENABLED
PostScript:	ENABLED

**Paper Trays and Options**

Default Paper Size:	LETTER
Tray 1 Size:	ANY SIZE
Tray 1 Type:	ANY TYPE
Tray 2 Size:	LETTER
Tray 3 Size:	LETTER
Duplex Unit:	

**Note:** See the table on the following page for descriptions of the callouts in this illustration.



<b>Callout</b>	<b>Area on the screen</b>	<b>Information or capability that the area provides</b>
1	EWS tabs and menus	For more information, see <a href="#">“Navigating through the HP Embedded Web Server”</a> on page 5.
2	Printer Information	Lists the serial number, version numbers, and other information for the product.
3	Installed Personalities and Options	Lists all of the printer languages that are installed (such as printer command language [PCL] and PostScript® [PS]), and lists options that are installed in each DIMM slot and EIO slot.
4	Memory	Lists the memory information, PCL Driver Work Space (DWS), and resource saving information.
5	Security	Lists the status of the control-panel lock and disk write-protect options.
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 duplexer 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.

**HP Color LaserJet XXXX MFP / 192.168.0.10**  
**HP Color LaserJet XXXX MFP**

Information Settings Digital Sending Networking [Log Off](#)

**Supplies Status**

**Ordering Information:**  
 Hewlett-Packard supplies can be ordered on the Internet, on-line through your device software or by calling an authorized reseller. Refer to your device User Guide for instructions.

Supply Type	Order HP Part	Percentage	Estimated Pages Remaining	Low Reached	Serial Number	Pages printed with this supply	First Install Date	Last Used Date
Black Print Cartridge	C8550A	91%	24259	NO	605	741	20040129	20040604
Black Image Drum	C8560A	49%	19940	NO	16459	20060	20031117	20040604
Cyan Print Cartridge	C8551A	79%	5439	NO	440	1446	20040129	20040604
Cyan Image Drum	C8561A	57%	22906	NO	16428	17094	not available	20040604
Magenta Print Cartridge	C8553A	87%	12949	NO	47	1935	not available	20040604
Magenta Image Drum	C8563A	70%	29307	NO	16776	10693	20000105	20040604
Yellow Print Cartridge	C8552A	100%	24841	NO	109	159	20040129	20040604
Yellow Image Drum	C8562A	70%	29295	NO	17034	10705	20000105	20040604
Image Transfer Kit	C8555A	98%						
Image Cleaning Kit	C8554A	92%						
Image Fuser Kit	C8556A	96%						

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

**Recycling Information:**  
 Please return your used genuine HP supplies to Hewlett-Packard. For more information see: <http://www.hp.com/go/recycle>

**Note:** See the table on the following page for descriptions of the callouts in this illustrations.

Callout	Area on the screen	Information or capability that the area provides
1	EWS tabs and menus	For more information, see “Navigating through the HP Embedded Web Server” on page 5.
2	Order Supplies link	Use this feature to connect to a Web page that facilitates online ordering of supplies from a reseller of your choice.
3	Printer Cartridge and Image Drum 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.
4	Long-Life Supplies Information	If available, this lists the percent of life remaining and the estimated number of pages remaining with the supply.

## Event Log

The Event Log 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.

HP Color LaserJet XXXX MFP / 192.168.0.10  
**HP Color LaserJet XXXX MFP**

Information Settings Digital Sending Networking [Log Off](#)

1 **Information**

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

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

### Event Log

Current Page Count: 4041  
Serial Number: XXXXXXXXXXXX  
Number of Entries in Use: 10  
Maximum Number of Entries: 50

2	3	4	5
Number	Page Count	Event	Description or Personality
10	4040	68 1C15	
9	4040	68 1C15	
8	4040	30.00.01	CHECK CABLES. CHECK SCANNER LOCK. TO CONTINUE TURN OFF THEN ON.
7	3980	68 3D0B	
6	3980	68 3D02	
5	3950	68 1C14	
4	3930	68 1C14	
3	3900	68 3D02	
2	3905	13.03.00	PAPER FEED 2, PAPER LATE JAM
1	3880	30.00.01	CHECK CABLES. CHECK SCANNER LOCK. TO CONTINUE TURN OFF THEN ON.

6 [Product Support](#)

Callout	Area on the screen	Information or capability that the area provides
1	EWS tabs and menus	For more information, see “Navigating through the HP Embedded Web Server” on page 5.
2	Number	Lists the order in which the errors occurred. The last error to occur has the highest number.
3	Page Count	Lists the number of pages that had been printed from the product when the error occurred.
4	Event	Shows the internal event code for each event.
5	Description or Personality	Shows a brief description of some events.
6	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.

**Usage Page**

Identification

SN: XXXXXXXXXX  
 Product Name: HP Color LaserJet XXXX MFP  
 Device Name: HP Color LaserJet XXXX MFP

Usage Totals (equivalent)

Page Size	SIMPLEX		Units	DUPLX		Total	Total		DUPLX DUPLX		
	Mono	Color		Mono	Color		Mono	Color	1	IMAGE	
LETTER	96	3,928	1.0	0	7	2.0	96.0	3942.0	4038.0	0	0
LEGAL	0	0	1.3	0	0	2.6	0.0	0.0	0.0	0	0
A4	0	0	1.0	0	0	2.0	0.0	0.0	0.0	0	0
EXECUTIVE	0	0	0.8	0	0	1.6	0.0	0.0	0.0	0	0
11X17	0	0	2.0	0	0	4.0	0.0	0.0	0.0	0	0
A3	0	0	2.0	0	0	4.0	0.0	0.0	0.0	0	0
ENVELOPE #10	0	0	0.4	**	**	**	0.0	0.0	0.0	**	**
ENVELOPE	0	0	0.3	**	**	**	0.0	0.0	0.0	**	**
MONARCH	0	0	0.6	**	**	**	0.0	0.0	0.0	**	**
ENVELOPE C5	0	0	0.4	**	**	**	0.0	0.0	0.0	**	**
ENVELOPE DL	0	0	1.5	0	0	3.0	0.0	0.0	0.0	0	0
B4(JIS)	0	0	0.7	0	0	1.4	0.0	0.0	0.0	0	0
B5(JIS)	0	0	0.7	**	**	**	0.0	0.0	0.0	**	**
ENVELOPE B5	0	0	1.0	0	0	2.0	0.0	0.0	0.0	0	0
CUSTOM	0	0	1.0	**	**	**	0.0	0.0	0.0	**	**
POSTCARD(JIS)	0	0	1.0	**	**	**	0.0	0.0	0.0	**	**
A5	0	0	0.5	0	0	1.0	0.0	0.0	0.0	0	0
8K	0	0	1.7	0	0	3.4	0.0	0.0	0.0	0	0
16K	0	0	0.8	0	0	1.6	0.0	0.0	0.0	0	0
EXECUTIVE(JIS)	0	0	1.1	0	0	2.2	0.0	0.0	0.0	0	0
LETTER ROTATED	0	0	1.0	0	0	2.0	0.0	0.0	0.0	0	0
A4 ROTATED	0	0	1.0	0	0	2.0	0.0	0.0	0.0	0	0
8.5X13	0	0	1.1	0	0	2.2	0.0	0.0	0.0	0	0
STATEMENT	0	0	0.5	**	**	**	0.0	0.0	0.0	**	**
12X18	0	0	2.3	0	0	4.6	0.0	0.0	0.0	0	0
RA3	0	0	2.1	0	0	4.2	0.0	0.0	0.0	0	0
<b>TOTAL PRINTER USAGE:</b>							<b>96.0</b>	<b>3942.0</b>	<b>4038.0</b>		

Total Copy Pages Printed: 76  
 Total Fax Pages Printed: 0

SCANNED (COPY, SEND & FAX)

Page Size	SIMPLEX Count	SIMPLEX Units	DUPLX Count	DUPLX Units	Total
LETTER	18	1.0	0	2.0	18.0
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
11X17	0	2.0	0	4.0	0.0
A3	0	2.0	0	4.0	0.0
B4(JIS)	0	1.5	0	3.0	0.0
B5(JIS)	0	0.7	0	1.4	0.0
CUSTOM	0	1.0	0	2.0	0.0
A5	0	0.5	0	1.0	0.0
<b>Total Scanner Usage</b>					<b>18.0</b>

Copy Job Scan Count: 37  
 Send Job Scan Count: 2  
 ADF Simplex Pages: 31  
 ADF Duplex Pages: 0  
 ADF Total Pages: 31  
 Flatbed Scan Count: 8

Print Modes & Paper Path Usage (actual)

PRINT MODES USAGE

Print Mode	Mono	Color	Total
AUTO SENSE MODE	82	396	478
LIGHT MODE	0	0	0
HEAVY MODE	0	0	0
CARDSTOCK MODE	0	0	0
TRANSPARENCY MODE	0	0	0
ENVELOPE MODE	0	0	0
LABEL MODE	0	0	0
GLOSSY MODE	0	0	0
HVY GLOSSY MODE	0	0	0
TOUGH PAPER MODE	0	0	0
BEST GLOSS MODE	0	0	0
BEST HP HG MODE	0	0	0
BEST TPAPER MODE	0	0	0
TONER MODE	0	0	0
BLISTERS MODE	0	0	0
NHP HGLOSSY MODE	0	0	0
BEST NHP HG MODE	0	0	0
IMAGE MODE	0	0	0
<b>Total</b>			<b>478</b>

PAPER PATH USAGE

Source	Count	Destination	Count
Envelope Feeder	0	Face Up	51
Manual Feed Tray	0	Face Down	3992
Tray 1	0	External Bin	0
Tray 2	267	Other	0
Tray 3	204	<b>Total</b>	<b>4043</b>
External Tray	3572		
Other	0		
<b>Total</b>	<b>4043</b>		

Historical Device Coverage

Black 15.6%  
 Cyan 17.7%  
 Magenta 22.3%  
 Yellow 24.0%

**Note:** See the table on the following page for descriptions of the callouts in this illustration.

Callout	Area on the screen	Information or capability that the area provides
1	EWS tabs and menus	For more information, see "Navigating through the HP Embedded Web Server" on page 5.
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. A A4-size (letter-size) page printed on both sides counts as 2 units.
4	Print Modes & Paper Path Usage (actual)	Indicates the different print modes that have been used for color and monochrome (black-and-white) print jobs.
5	Historical Printer Coverage	Indicates the average amount of toner that is used on each printed page.

## Device Information

The Device Information screen shows the product name, asset number, company name, contact person, product location, and the product's IP address, name, model, and serial number.

The product name, asset number, company name, contact person, and product location can be configured from the Device Information screen, which is located on the **Settings** tab.

HP Color LaserJet XXXX MFP / 192.168.0.10  
**HP Color LaserJet XXXX MFP**

Information Settings Digital Sending Networking [Log Off](#)

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

### Device Information

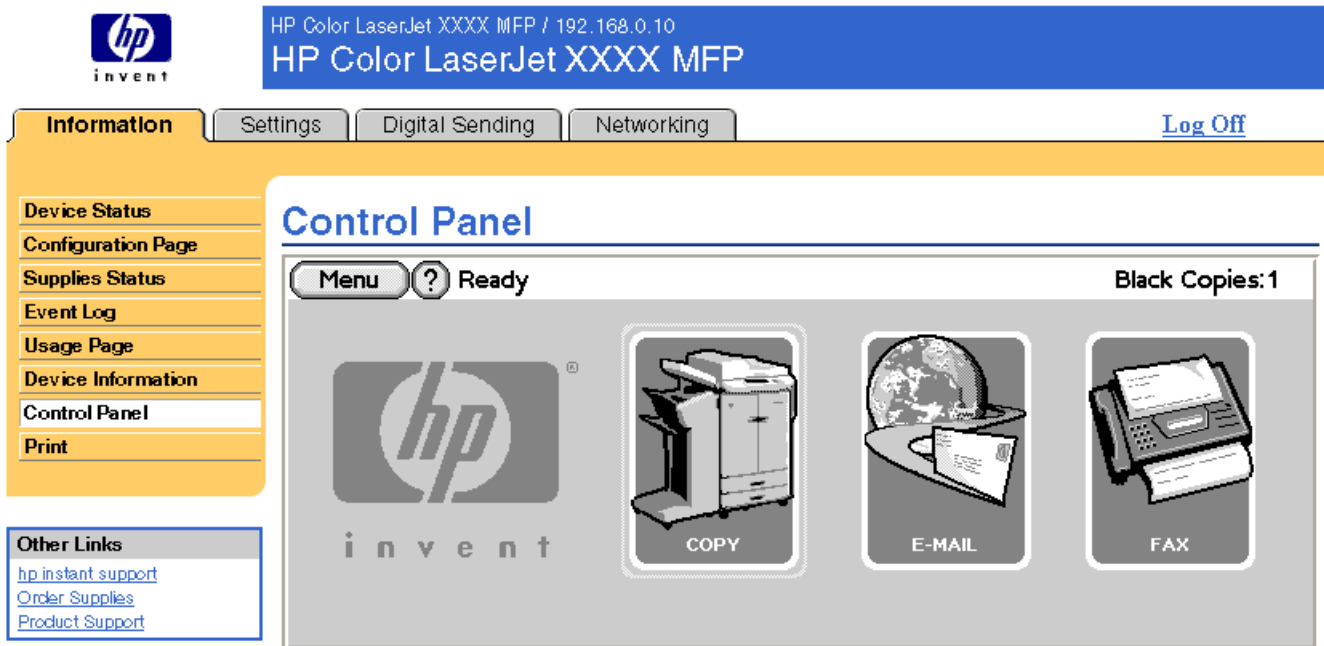
Device Name	HP Color LaserJet XXXX MFP
Device Location	Floor 7, Room 2
Asset Number:	
Company Name:	Your Company
Contact Person:	Anyone
IP Address:	192.168.0.10
Product Name:	HP Color LaserJet XXXX MFP
Device Model	CXXXXA
Device Serial Number	XXXXXXXXXX

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

# Control Panel

For products that have a 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.



# Print

You can use this screen to print one file at a time from a product that supports the HP Embedded Web Server. This feature is especially useful if you are a mobile user, because you do not have to install the product's printer 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 .PRN (Windows Print Ready File), .PCL (Printer Control Language), .PS (PostScript), .PDF (Adobe Portable Document Format), and .TXT (text).

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

## Note

The Print screen (and the **Print** menu on the left) is available only if it has been configured to appear on the **Security** tab. For more information, see “Security” on page 31.

Callout	Area on screen	Information or capability that the area provides
1	EWS tabs and menus	For more information, see “Navigating through the HP Embedded Web Server” on page 5.
2	Device Status	Shows the product status (the same information that appears on the Device Status screen and the control-panel display).
3	Option 1	Prints a file that is located on your laptop, computer, or a network file server.
4	Option 2	Prints a file that you can gain access to over your intranet.

## Printing a file from the Print screen

Use the following steps to print a file from the Print screen.

- 1 Select the file that you want to print by using one of the following options:
  - Click the button under **Option 1** to browse to a file that you want to print.

-or-

  - Type the address (beginning with "http://") in the **Address** field (under **Option 2**) to print a file that is available over your intranet.
- 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. The following are the Settings screens:

- Configure Device (page 20)
- E-mail Server (page 21)
- Alerts (page 23)
- AutoSend (page 29)
- Security (page 31)
- Edit Other Links (page 32)
- Device Information (page 34)
- Language (page 35)
- Date & Time (page 36)
- Wake Time (page 37)

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**Note**

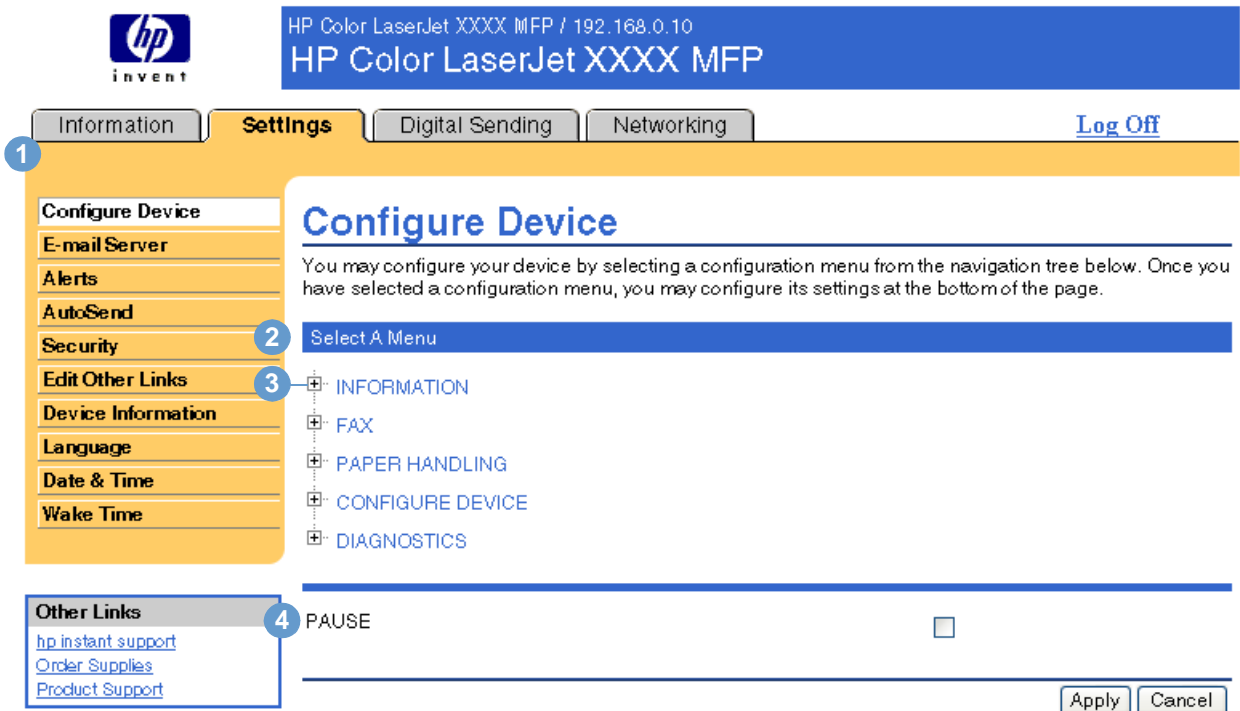
Some products do not support all of these screens.

# Configure Device

You can use the Configure Device screen to print product information pages and configure the product *remotely*. The following illustration, table, and example procedure describe how to use this screen.

If your product has a control-panel display, these menus are similar to the menus that are available at your product control panel. Some of the product control-panel menus are not available from the HP Embedded Web Server.

See the documentation that came with your product for more information about the different menus that your product supports.



Callout	Area on the screen	Information or capability that the area provides	
1	EWS tabs and menus	For more information, see <a href="#">“Navigating through the HP Embedded Web Server” on page 5</a> .	
2	Select A Menu	<b>INFORMATION</b> menu	Print product information pages, which provide details about the product and its configuration.
		<b>PAPER HANDLING</b> menu	Set the type of media that is in each tray.
		<b>CONFIGURE DEVICE</b> menu	Configure the product to affect the product behavior. For example, you can configure product personality settings from this menu, such as print-quality settings or destination bins.
		<b>DIAGNOSTICS</b> menu	Print the event log, perform a paper-path test, configure the output bin and duplexing mode, and set the number of copies.
3	Plus sign	Click the plus sign (⊕) next to a menu, or click the menu itself, to see the submenus or subentries.	
4	PAUSE	Select this check box to pause the printer.	

## 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 select a different default paper size (example procedure).

- 1 Click **PAPER HANDLING**.
- 2 Select **Letter** from the list, and then click **Apply** to save the change.

### Note

Printer 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 Printer 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 and incoming 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.

Callout	Area on the screen	Information or capability that the area provides
1	EWS tabs and menus	For more information, see <a href="#">“Navigating through the HP Embedded Web Server” on page 5.</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” on page 24.</a>

Callout	Area on the screen	Information or capability that the area provides
3	Device E-mail Address	This is the product's e-mail address that appears in product alerts. This is <i>not</i> the e-mail address that you want to use when sending commands to the product. See <a href="#">"Sending e-mail commands to the product" on page 28.</a>
4	Incoming e-mail (not required for E-mail Alerts)	Configure incoming e-mail if you intend to request information pages from the product by using e-mail messages. For more information, see <a href="#">"Sending e-mail commands to the product" on page 28.</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 IP address of the simple mail transfer protocol (SMTP) mail server on your network. The EWS uses the SMTP server 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 IP address in the **SMTP Server** text box.
- 4 Type the domain name, and then click **Apply** to save the changes.

## Configuring incoming e-mail

You should configure incoming e-mail if you intend to request information pages from the product by using e-mail messages. For more information, see ["Sending e-mail commands to the product" on page 28.](#)

- 1 Establish a Post Office Protocol 3 (POP3) mailbox account for the product on a mail server within your organization's network.

Each POP3 account requires a username and a password. The username 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 username is "product" and the POP3 server is "hp.com", the product's e-mail address is "product@hp.com".

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### Note

Each product that is configured for incoming mail must have its own POP3 mailbox account on your network's e-mail server.

The POP3 mailbox accounts are typically configured by your organization's network or e-mail administrator.

- 2 Select the **Enable Incoming E-mail** check box.
- 3 Type the IP address of the POP3 mail server in the **POP3 Server** text box.
- 4 Type username and password for the product's mailbox account, and then click **Apply** to save the changes.

# 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 and paper-path status, as well as for 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 toner 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.

With a permanent storage device installed, such as a hard disk, you can create up to four different destination lists, with up to 20 recipients on each list. (Without the permanent storage device, you can send alerts to only four e-mail addresses.) The following example is for a product that has a permanent storage device installed. If a permanent storage device is installed, you can edit, test, and delete destinations and destination lists.

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

**Note** In order for alerts to function, outgoing e-mail must be enabled. To enable outgoing mail, see “Configuring outgoing e-mail” on page 22.

The screenshot shows the Alerts configuration page for an HP Color LaserJet XXXX MFP. The page title is 'Alerts' and it includes a sub-header: '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.' A note states: '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)
List 1	your_name@your.company.com anyone@your.company.com	Cartridge Low (Order) Cartridge Out (Replace) Remove Paper Jam Tray Open	Supplies Status Page Usage Page
List 2	your_admin@your.company.com	Non-HP supply detected Device Error 55 DC Controller Error Remove Paper Jam Close Drawers, Doors And Covers	Configuration Page
List 3	service_provider@your.company.com	Drum Kit Low (Order) Fuser Kit Low (Order) Fuser Kit Out (Replace) Internal Clock Error	Configuration Page Event Log

At the bottom of the screen, there is a button labeled 'New Destination List'.

**Note:** See the table on the following page for descriptions of the callouts in this illustration.

Callout	Area on the screen	Information or capability that the area provides
1	EWS tabs and menus	For more information, see <a href="#">“Navigating through the HP Embedded Web Server” on page 5</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

This section contains information about these alerts features:

- [“To configure alerts” on page 24](#)
- [“To test the configuration of a destination list” on page 27](#)
- [“To delete destinations and destination lists” on page 28](#)

### To configure alerts

With a permanent storage device installed, you can set up four different lists, with up to 20 recipients on each list. Without a permanent storage device, you have room for only four e-mail addresses.

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.

If a permanent storage device is installed, the screen that appears looks similar to the following illustration.

HP Color LaserJet XXXX MFP / 192.168.0.10  
HP Color LaserJet XXXX MFP

Information **Settings** Digital Sending Networking [Log Off](#)

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

Other Links  
[hp instant support](#)  
[Order 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 <sup>*</sup>
Cartridge Low (Order)	<input checked="" type="checkbox"/>	<input type="text" value="17"/> (0-20) percent
Drum Kit Low (Order)	<input type="checkbox"/>	
Cartridge Out (Replace)	<input checked="" type="checkbox"/>	
Drum Kit Out (Replace)	<input type="checkbox"/>	
Non-HP supply detected	<input type="checkbox"/>	
Remove Paper Jam	<input checked="" type="checkbox"/>	<input type="text" value="2"/> minutes elapsed
Close Drawers, Doors And Covers	<input type="checkbox"/>	<input type="text" value="2"/> minutes elapsed
Tray Open	<input checked="" type="checkbox"/>	<input type="text" value="2"/> minutes elapsed
Tray Empty (Load)	<input type="checkbox"/>	<input type="text" value="2"/> minutes elapsed

<sup>\*</sup> 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 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

- For products that have permanent storage devices installed, type a name in the **List Name** field, such as Service or Supplies. (If you do *not* have a permanent storage device, continue to step 3.)

- 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, uniform resource locators (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 Select the attachments that you want to be included with your e-mail alert messages. These attachments can include Supplies Status Page, Usage Page, Configuration Page, Event Log Page, and XML Data. (Go to the **Information** tab to see examples of the pages.) 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.
- 7 Click **Apply** to save the information.
- 8 Repeat steps 1 through 7 for each additional list or destination.

---

**Note**

To test the configuration of a destination list, see [“To test the configuration of a destination list” on page 27.](#)



## To test the configuration of a destination list

Use the following procedure to test the destination list configuration.

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

The following window appears. (This illustration shows the screen from a system that has a permanent storage device installed. If no permanent storage device is installed, only one destination can be tested from this window.)

The screenshot shows the HP Color LaserJet XXXX MFP Alerts - test configuration window. The window has a blue header with the HP logo and the text "HP Color LaserJet XXXX MFP / 192.168.0.10". Below the header is a navigation bar with tabs for "Information", "Settings", "Digital Sending", and "Networking", and a "Log Off" link. The "Settings" tab is selected. On the left side, there is a sidebar with a list of settings: "Configure Device", "E-mail Server", "Alerts", "AutoSend", "Security", "Edit Other Links", "Device Information", "Language", "Date & Time", and "Wake Time". Below this is an "Other Links" section with links for "hp instant support", "Order Supplies", and "Product Support". The main content area is titled "Alerts - test" and contains the following text: "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." Below this is a section for "Alert Destinations:" with two checked checkboxes: "your\_name@your.company.com" and "anyone@your.company.com". A note states: "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." Below this is a "Return Address:" field containing "Device 1@your.company.com". The "Message Text:" section contains a text area with the following content: "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 Color LaserJet XXXX MFP. Currently selected alerts: Cartridge Low (Order), Cartridge Out (Replace), Remove Paper Jam, Tray Open. Currently selected attachments: Supplies Status Page, Usage Page. Thank you for using Hewlett-Packard products!" Below this is a note: "If you want additional notes to appear at the beginning of the test alert, type the information in the following box." Below this is a "Your Notes (optional):" field. At the bottom right, there are "OK" and "Cancel" buttons.

- 2 If you have a permanent storage device installed, 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

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. 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 and incoming mail are 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 and incoming e-mail functions available by following the instructions that are listed in this chapter. (For more information, see “[E-mail Server](#)” on page 21.)
- 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 username 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 username 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”.

Page	HTML format	XML format
<a href="#">Configuration page</a>	this.configpage?configPage=email&format=html	this.configpage?configPage=email&format=xml
<a href="#">Supplies Status page</a>	this.configpage?suppliesPage=email&format=html	this.configpage?suppliesPage=email&format=xml
<a href="#">AutoSend page</a>	not applicable	this.configpage?autosend=email&format=xml

- 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).

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#### 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 your service provider. 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, toner replacement, pay-per-page contracts, support agreements, and usage tracking. The following illustration, table, and procedure describe how to use this screen.

With a permanent storage device installed, such as a hard disk, you can add up to twenty e-mail addresses. (Without the permanent storage device, you can add one e-mail address.) The following example is for a product that does have a permanent storage device installed.

Callout	Area on the screen	Information or capability that the area provides
1	EWS tabs and menus	For more information, see “ <a href="#">Navigating through the HP Embedded Web Server</a> ” on page 5.
2	Enable AutoSend	Select this check box to turn on the AutoSend feature.
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. Each e-mail address can be up to 50 characters long.

Callout	Area on the screen	Information or capability that the area provides
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, myprinter@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 and incoming e-mail functions available by following the instructions that are listed in this chapter. (For more information, see [“E-mail Server” on page 21.](#))
- 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 For products with permanent storage devices installed, configure up to 20 destination e-mail addresses, using the format that appears on the screen. (If you do not have a permanent storage device, you can configure one e-mail address.)
- 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 this screen.

HP Color LaserJet XXXX MFP / 15.62.9.68  
**HP Color LaserJet XXXX MFP**

Information **Settings** Digital Sending Networking [Log Off](#)

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

**2** **Set Password**  
 A security password can be set to prevent unauthorized users from remotely configuring the printer or gaining access to functionality reserved for the network administrator.  
 Username: admin  
 New Password:   
 Verify Password:

**3** **Set Options**  
 Print Page

**4** **Display On Device Status Page**  
 Cancel Job  
 Pause/Resume  
 Continue Button

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

Callout	Area on the screen	Information or capability that the area provides
<b>1</b>	EWS tabs and menus	For more information, see <a href="#">“Navigating through the HP Embedded Web Server”</a> on page 5.
<b>2</b>	Set Password	Set an administrator password to control who can gain access to the EWS <b>Settings</b> , <b>Digital Sending</b> , <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> on page 3.
<b>3</b>	Print Page	Select to make the Print Page screen available in the <b>Information</b> tab.
<b>4</b>	Display On Device Status Page	Select the control-panel buttons that you want to appear on the Device Status screen (on the <b>Information</b> tab).

## 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 Embedded Web Server screens, in the **Other Links** box beneath the left navigational bar. Three permanent links (**hp instant support**, **Order Supplies**, and **Product Support**) have already been established. The following illustration, table, and procedures describe how to use this screen.

**Note** With a permanent storage device installed, you can add up to five additional links; without the extra storage, you can add one additional link.

Callout	Area on the screen	Information or capability that the area provides
1	EWS tabs and menus	For more information, see “Navigating through the HP Embedded Web Server” on page 5.
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.

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>Order 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 Embedded Web Server.
- 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 product, assign an asset number, and configure the company name, the person to contact about the product, and the physical location of the product. The product IP address, product name, product model, and serial number are also available on this screen.

The screenshot shows the HP Color LaserJet XXXX MFP Settings interface. At the top, there is a blue header with the HP logo and the text "HP Color LaserJet XXXX MFP / 192.168.0.10" and "HP Color LaserJet XXXX MFP". Below the header are four tabs: "Information", "Settings" (which is selected and highlighted in orange), "Digital Sending", and "Networking". In the top right corner, there is a "Log Off" link. On the left side, there is a vertical menu with several options: "Configure Device", "E-mail Server", "Alerts", "AutoSend", "Security", "Edit Other Links", "Device Information" (which is selected and highlighted in orange), "Language", "Date & Time", and "Wake Time". Below this menu is a section titled "Other Links" with three links: "hp instant support", "Order Supplies", and "Product Support". The main content area is titled "Device Information" and contains a table of fields and their values:

Device Name	HP Color LaserJet XXXX MFP
Device Location	Floor 7, Room 2
Asset Number:	
Company Name:	Your Company
Contact Person:	Anyone
IP Address:	192.168.0.10
Product Name:	HP Color LaserJet XXXX MFP
Device Model	CXXXXA
Device Serial Number	XXXXXXXXXX

At the bottom right of the "Device Information" section, there are two buttons: "Apply" and "Cancel".

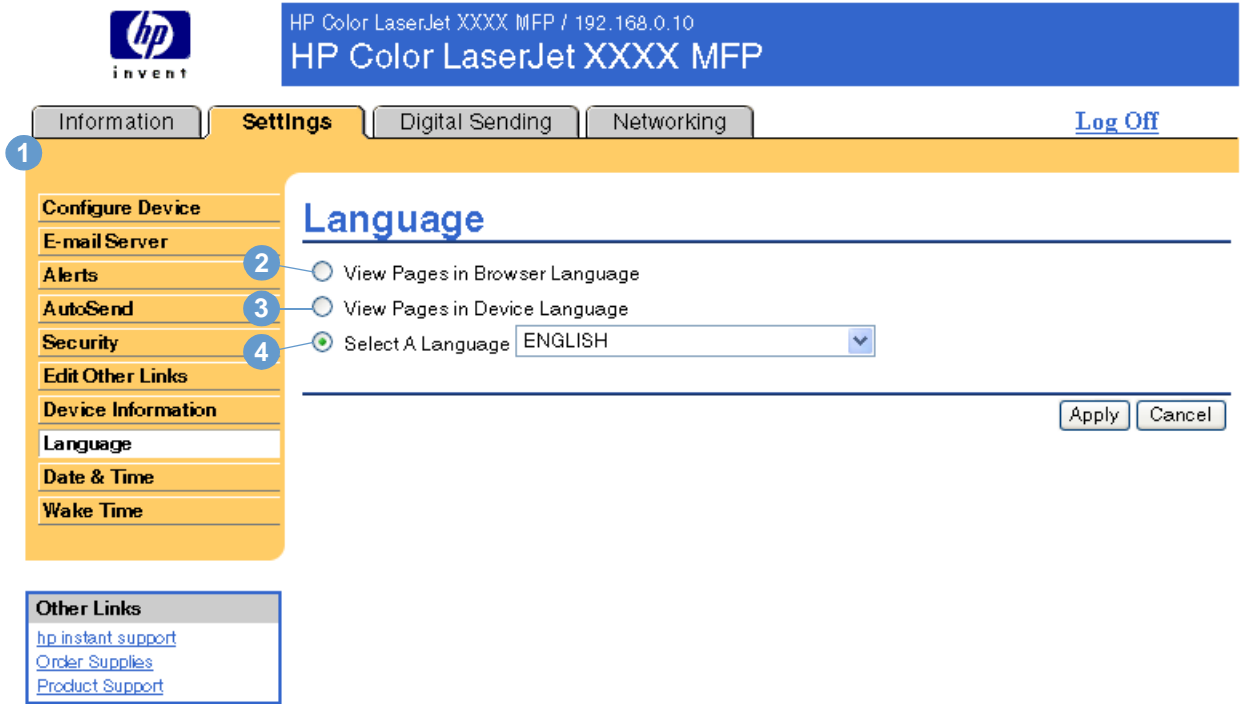
**Note** If you make any changes on the Device Information screen, click **Apply** to save the changes.

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 Embedded Web Server screens appear. The following illustration and table describe how to use this screen.



## CAUTION

Selecting **View Pages in Printer Language** or **Select a Language** changes the language for everyone who uses the HP Embedded Web Server.

Callout	Area on the screen	Information or capability that the area provides
1	EWS tabs and menus	For more information, see “ <a href="#">Navigating through the HP Embedded Web Server</a> ” on page 5.
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 Embedded Web Server screens appear in the same language.
3	View Pages in Printer Language	Use this feature to detect which language is selected for the product control panel. The HP Embedded Web Server screen appear in the same language.
4	Select A Language	Select the language for the HP Embedded Web Server screens from these choices: <ul style="list-style-type: none"> <li>• English</li> <li>• Francais (French)</li> <li>• Deutsch (German)</li> <li>• Italiano (Italian)</li> <li>• Español (Spanish)</li> <li>• Svenska (Swedish)</li> <li>• Dansk (Danish)</li> <li>• Norsk (Norwegian)</li> <li>• Nederlands (Dutch)</li> <li>• Suomi (Finnish)</li> <li>• Português (Portuguese)</li> </ul>

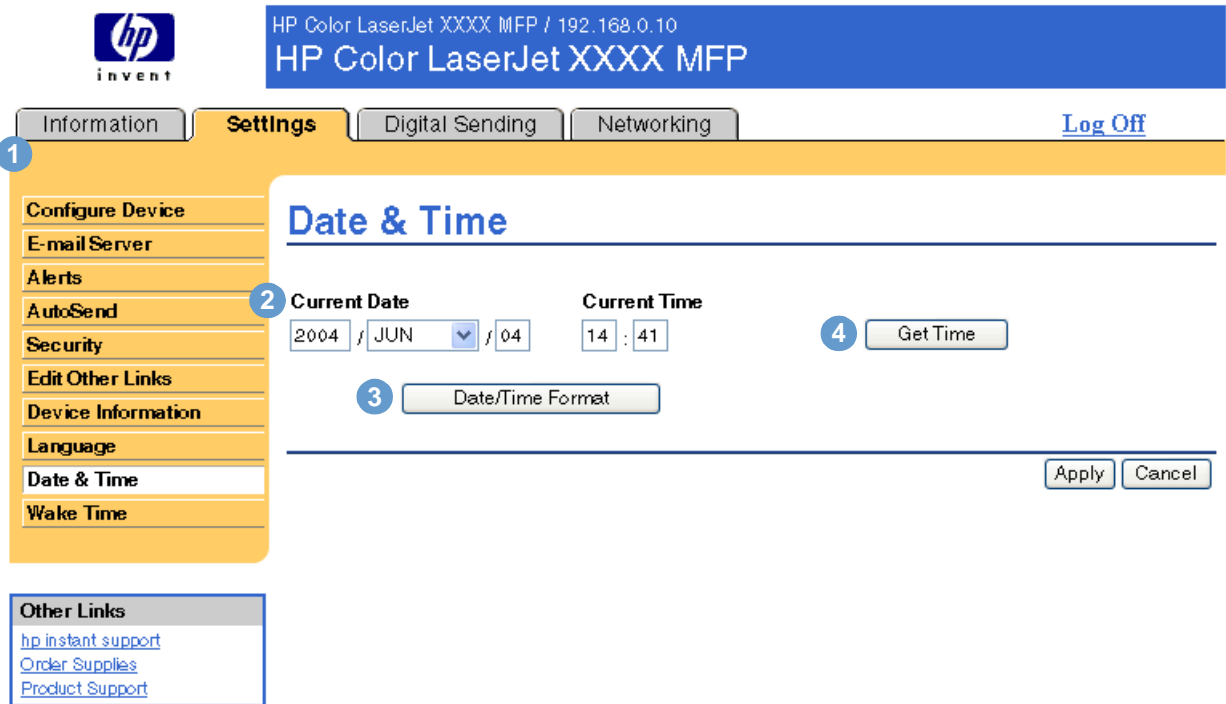
## Note

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 Embedded Web Server, 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.



Callout	Area on the screen	Information or capability that the area provides
1	EWS tabs and menus	For more information, see “ <a href="#">Navigating through the HP Embedded Web Server</a> ” on page 5.
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.
3	Date/Time Format	Click this button to open a screen where you can select the date and time format.
4	Get Time	Click this button to update the product date and time on the screen.

# 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 only sets 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.

The screenshot shows the HP Color LaserJet XXXX MFP web interface. At the top, there is a blue header with the HP logo and the text "HP Color LaserJet XXXX MFP / 192.168.0.10". Below the header, there are tabs for "Information", "Settings", "Digital Sending", and "Networking". The "Settings" tab is selected. On the left side, there is a navigation menu with options like "Configure Device", "E-mail Server", "Alerts", "AutoSend", "Security", "Edit Other Links", "Device Information", "Language", "Date & Time", and "Wake Time". The "Wake Time" option is highlighted. Below the navigation menu, there are "Other Links" for "hp instant support", "Order Supplies", and "Product Support". The main content area is titled "Wake Time" and contains the following text: "Setting a Wake Time is useful for ensuring the product is Ready at a certain time and not in Sleep Mode. For example, to make sure the product is Ready at 7:45, set the Wake Time for 7:30, then set a Sleep Delay of 30 minutes or longer so people have time to use the product before it re-enters Sleep Mode." Below this text, there is a section for "Wake Time" with a table of days and their corresponding wake times. The table has two columns: "Week Day" and "Wake Time". The rows are: Sunday (unchecked), Monday (checked), Tuesday (checked), Wednesday (checked), Thursday (checked), Friday (checked), and Saturday (unchecked). All checked days have a wake time of 07:30. Below the table, there is a section for "Sleep Delay" with the text: "The product will enter Sleep Mode to save energy if not in use for the period of time set below." and a dropdown menu for "SLEEP DELAY" set to "4 HOURS". A note below the dropdown states: "Note: Once a Sleep Delay is applied, Sleep Mode will be automatically enabled. It may take a while for the product to return to Ready once it is in Sleep Mode." At the bottom right of the screen, there are "Apply" and "Cancel" buttons.

Callout	Area on the screen	Information or capability that the area provides
1	EWS tabs and menus	For more information, see <a href="#">“Navigating through the HP Embedded Web Server” on page 5.</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 Digital Sending screens to control the digital-sending features that some products offer. The following are the Digital Sending screens:

- General (page 40)
- Send to E-mail (page 41)
- Send to Fax (page 44)
- Addressing (page 48)
- Address Book (page 51)
- Activity Log (page 52)
- Preferences (page 53)

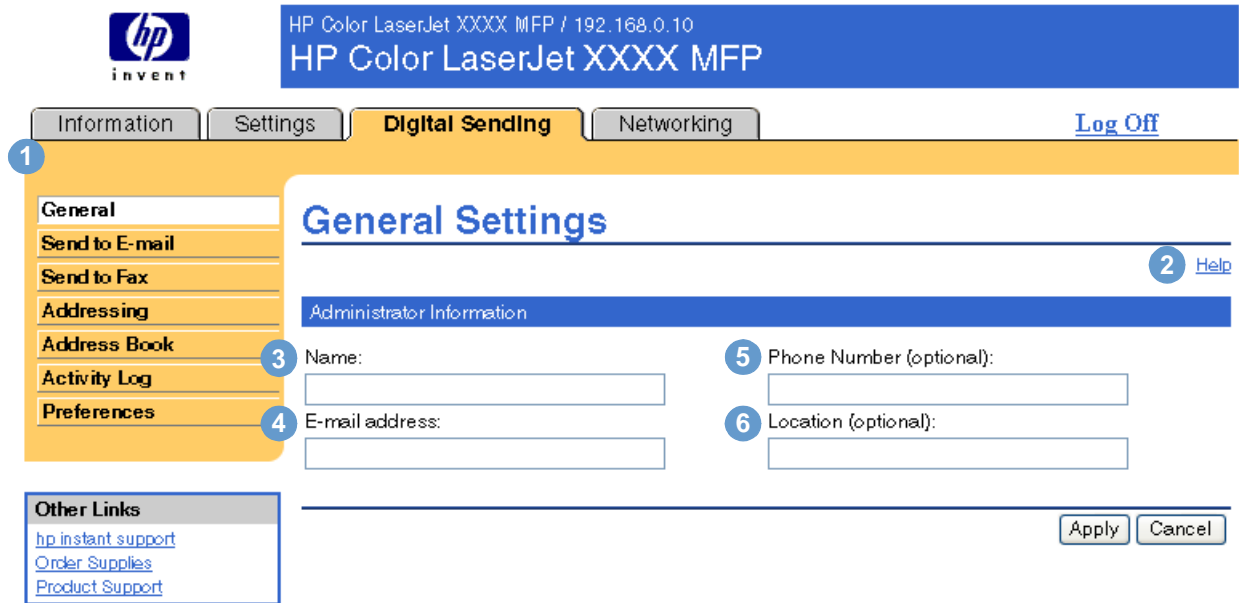
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**Note**

Some products do not support all of these screens.

# General

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



Callout	Area on the screen	Information or capability that the area provides
1	EWS tabs and menus	For more information, see “Navigating through the HP Embedded Web Server” on page 5.
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	E-mail Address	Type the administrator’s e-mail address.
5	Phone Number (optional)	Type the administrator’s phone number (optional).
6	Location (optional)	Type the administrator’s location (optional).

# Send to E-mail

The product requires a Simple Mail Protocol Transfer (SMTP) Gateway server to forward e-mail messages to destination e-mail addresses. Use the Send to E-mail 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.

The screenshot shows the 'E-mail Settings' page for an HP Color LaserJet XXXX MFP. The page is divided into several sections:

- Navigation:** Information, Settings, **Digital Sending**, Networking, and Log Off.
- Left Menu:** General, Send to E-mail (highlighted), Send to Fax, Addressing, Address Book, Activity Log, Preferences, and Other Links (hp instant support, Order Supplies, Product Support).
- SMTP Gateway Settings:**
  - Send E-mails...: directly from the device (dropdown)
  - Device's SMTP Gateway: 192.68.0.11 (text input)
  - Maximum Attachment Size: No Limit (dropdown)
  - Buttons: Find Gateways, Test
- Default From: Address:**
  - E-mail address: (text input)
  - Display Name: (text input)
  - Prevent Device user from changing the Default 'From:' Address
  - Default Subject: (text input) with an Advanced... button
- Bottom:** Apply, Cancel buttons.

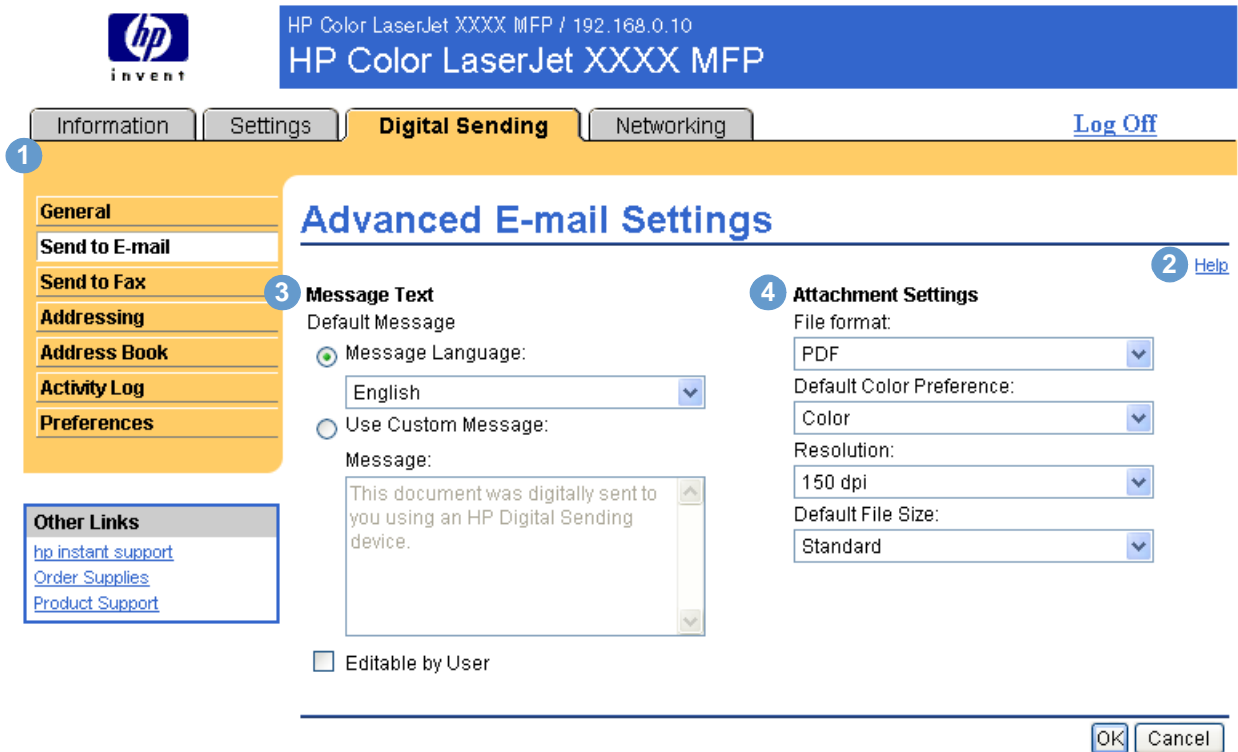
Callout	Area on the screen	Information or capability that the area provides
1	EWS tabs and menus	For more information, see "Navigating through the HP Embedded Web Server" on page 5.
2	Help	Click to open a help file that contains information about the screens on the <b>Digital Sending</b> tab.
3	Send E-mails	Send e-mail messages to the SMTP Gateway server directly from the product.
4	Device's SMTP Gateway	Type the IP address or the host name of the SMTP Gateway server that will manage the e-mail requests from the product. If you do not know the 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 products only recognize IP addresses. In such cases, host names will be converted to the equivalent IP address.

Callout	Area on the screen	Information or capability that the area provides
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	Find Gateways	If you do not know the IP address or the host name of the SMTP Gateway, click this button to search the network for a suitable SMTP Gateway server.
7	Test	Click this button to verify that the specified SMTP Gateway server is valid and operational.
8	E-mail address	Type the e-mail address of the person who will act as the default sender.
9	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.
10	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.
11	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."
12	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> " on page 43.



# Advanced E-mail Settings

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



Callout	Area on the screen	Information or capability that the area provides
1	EWS tabs and menus	For more information, see <a href="#">"Navigating through the HP Embedded Web Server" on page 5.</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.
4	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.

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.

The screenshot shows the HP Color LaserJet XXXX MFP Web UI. The top header displays the HP logo and the text "HP Color LaserJet XXXX MFP / 192.168.0.10". Below the header, there are navigation tabs: "Information", "Settings", "Digital Sending" (selected), and "Networking". A "Log Off" link is located in the top right corner. On the left side, there is a navigation menu with the following items: "General", "Send to E-mail", "Send to Fax" (highlighted), "Addressing", "Address Book", "Activity Log", and "Preferences". Below the menu is an "Other Links" section with links for "hp instant support", "Order Supplies", and "Product Support". The main content area is titled "Fax Settings" and contains several sections: 1. "Send Faxes..." dropdown menu set to "directly from the device's internal modem". 2. "Device Modem Settings" section with fields for "Country:" (United States), "Company Name:", "Phone Number:", "Enable Dialing Prefix" checkbox, and "Dialing Prefix:" dropdown menu. 3. "Notification" section with fields for "Condition on which to notify:" (Never), "Method used to deliver notification:" (Print), and "Include Thumbnail" checkbox. 4. "Quality" section with a "Resolution:" dropdown menu set to "Fine (200 x 200 dpi)". 5. "Billing Code" section with fields for "Default Billing Code:", "Minimum Length:" dropdown menu, and "Editable by User" checkbox. At the bottom right, there are "Apply" and "Cancel" buttons.

**Note:** See the table on the following page for information about the callouts.

Callout	Area on the screen	Information or capability that the area provides
1	EWS tabs and menus	For more information, see <a href="#">"Navigating through the HP Embedded Web Server"</a> on page 5.
2	Help	Click to open a help file that contains information about the screens on the <b>Digital Sending</b> tab.
3	Send Faxes	<b>directly from the device's internal modem</b> Send faxes directly from the product. 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 product 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 (the settings on this screen).
4	Device Modem Settings	Type these settings if <b>directly from the device'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> on page 46.
6	Notification	Set the notification options, such as whether a notification will be sent, whether the notification will be printed, or whether the sender should receive a notification report. Select the language for the notification report. The languages that are available are the same languages that are available on the Language screen of the <b>Settings</b> tab.
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 this screen.

HP Color LaserJet XXXX MFP / 192.168.0.10  
HP Color LaserJet XXXX MFP

Information Settings **Digital Sending** Networking [Log Off](#)

**1**

General  
Send to E-mail  
Send to Fax  
Addressing **3**  
Address Book  
Activity Log  
Preferences

**2** [Help](#)

## Advanced Fax Settings

**3** General

Modem Volume: Medium  
Ringer Volume: Medium

Overlay Header  
 Disable JBIG Compression  
 Disable Error Correction

**4** Other Links  
[hp instant support](#)  
[Order Supplies](#)  
[Product Support](#)

**4** Send

**Dialing Mode**  
 Tone  Pulse  
 Detect Dial Tone

**Retries**  
Retries on Busy: 3  
Retries on No Answer: 0  
Retry Interval: 5

**5** Receive

Input Tray: 0  
Output Tray: 0  
Number of Rings before answering: 2

Stamp Incoming Faxes  
 Fit image to page size  
Forwarding Number:

Reports & Logs

**6** Print Activity Log  
**7** Clear Activity Log

Special Features

**8** Security...  
**9** Diagnostics...

OK Cancel

**Note:** See the table on the following page for information about the callouts.

Callout	Area on the screen	Information or capability that the area provides
1	EWS tabs and menus	For more information, see <a href="#">"Navigating through the HP Embedded Web Server" on page 5.</a>
2	Help	Click to open a help file that contains information about the screens on the <b>Digital Sending</b> tab.
3	General	Select the general settings, such as modem and ringer volume and whether to turn JBIG compression and Error Correction on or off. You can also select whether or not to overlay the header (phone number, time, and date), so that it covers only a small part of the top of the page.
4	Send	Select the settings for faxes that are sent from the product, such as dial tone and 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 a 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.

# Addressing

In order for the product to send scanned documents, you must provide e-mail addresses. The product addressing feature simplifies this process by searching for destination e-mail addresses.

Use the Addressing screen to set features that allow the product to get e-mail 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. The following illustration and table describe how to use this screen.



Callout	Area on the screen	Information or capability that the area provides
1	EWS tabs and menus	For more information, see <a href="#">“Navigating through the HP Embedded Web Server” on page 5.</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 product direct access to an LDAP Address Book.

Callout	Area on the screen	Information or capability that the area provides	
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 un-encrypted.
		<b>NTLM</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 NT Challenge Response. 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	Credentials	Specify these settings if <b>Simple</b> or <b>NTLM</b> is selected from the <b>LDAP Server Bind Method</b> list.	
6	LDAP Server	Type the host name or IP address of the LDAP server whose database contains the centralized address book.  <b>Note</b> Some products only recognize IP addresses. In such cases, host names are converted to the equivalent IP address.	
7	Port	Type the TCP/IP port number on which the server is processing LDAP requests. This is typically port 389.	
8	Find Server	Click this button to search for available LDAP servers.	
9	Find Settings	Click this button to have the product attempt to determine the best settings for the specified server when searching the LDAP database.	
10	Search Root	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: ou=departmentname,o=companyname,c=country ou=marketing,o=Hewlett Packard,c=US o=hp.com ou=engineering,cn=users,dc=hp,dc=com  <b>Note</b> For some LDAP servers, the search root can be left blank (in which case its root node will be assumed).	
11	Device user information retrieval method	<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.
		<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.
		<b>Custom</b>	Select this option if you need to manually configure the LDAP attribute values.

Callout	Area on the screen	Information or capability that the area provides
12	Match the name entered with the LDAP attribute of	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: <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>
13	Retrieval the device user's e-mail address using attribute of	Type the LDAP attribute that contains the person's e-mail address. The following are two of the possible LDAP attributes: <ul style="list-style-type: none"> <li>• rfc822Mailbox</li> <li>• mail</li> </ul>
14	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" on page 50</a> .
15	Test	Click this button to test the settings that you specified.

## Advanced Addressing Settings

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

Callout	Area on the screen	Information or capability that the area provides
1	EWS tabs and menus	For more information, see <a href="#">"Navigating through the HP Embedded Web Server" on page 5</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.
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

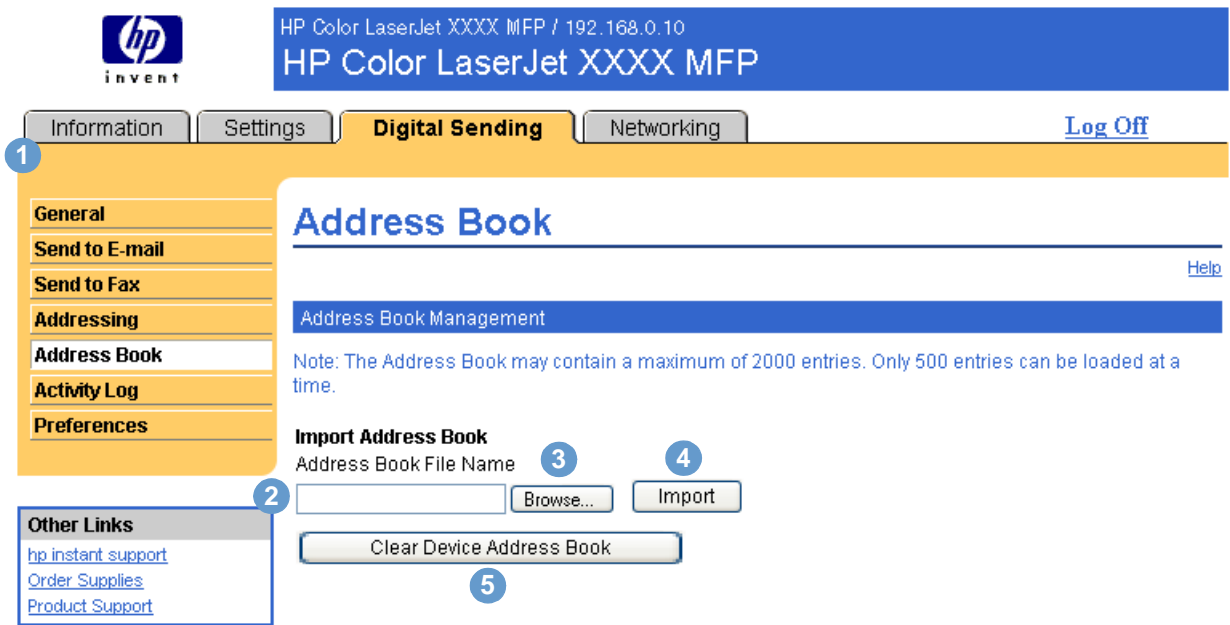
Use the Address Book screen to add a predefined list of e-mail addresses, in the form of a Comma-Separated Value (.CSV) file, to be imported into the product internal address book. The .CSV file is a plain-text file (in UTF-8 encoding) that contains each e-mail address entry on a separate line. An entry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

name1, name1@your.company.com

name2, name2@your.company.com

At the product, use the alias name to search for e-mail addresses.

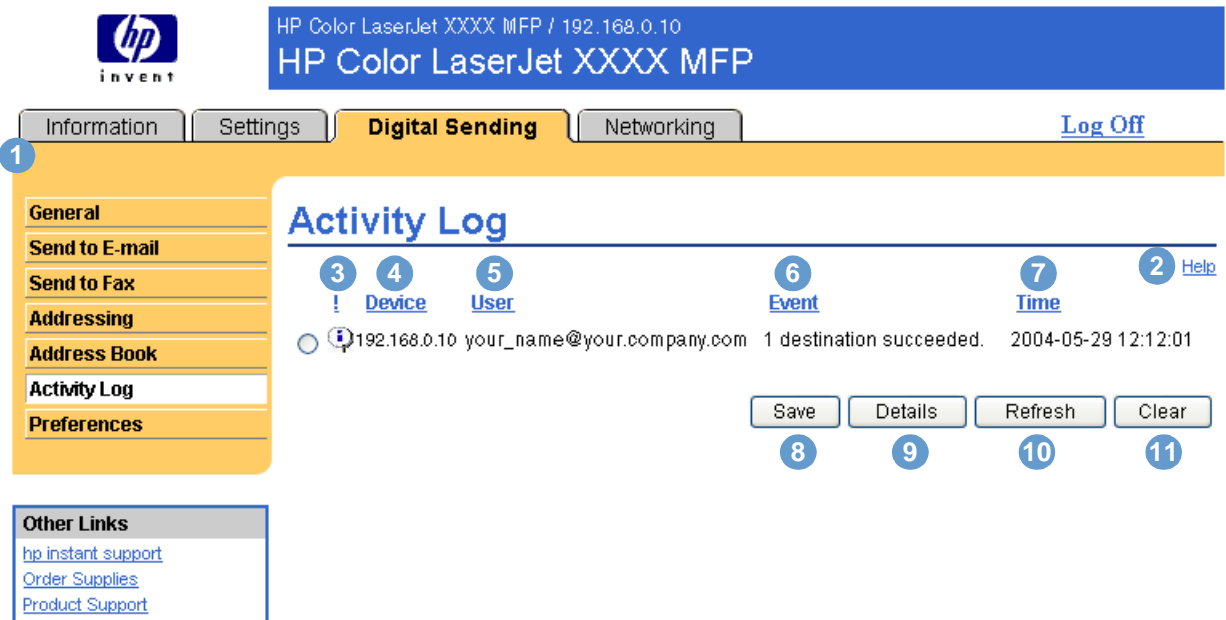
The following illustration and table describe how to use this screen.



Callout	Area on the screen	Information or capability that the area provides
1	EWS tabs and menus	For more information, see “Navigating through the HP Embedded Web Server” on page 5.
2	Address Book File Name	Use this field for the path of the .CSV address book file.
3	Button used to browse for a file	Click this button to find the .CSV address book file.
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.
5	Clear Device Address Book	Click this button to clear the contents of the product’s internal address book.

# Activity Log

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



Callout	Area on the screen	Information or capability that the area provides
1	EWS tabs and menus	For more information, see <a href="#">“Navigating through the HP Embedded Web Server” on page 5.</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 IP address of the product.
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.  <b>Note</b> This only clears the log that appears onscreen. The log entries remain on the product for job-accounting purposes.

# Preferences

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

Callout	Area on screen	Information or capability that the area provides
1	EWS tabs and menus	For more information, see <a href="#">“Navigating through the HP Embedded Web Server” on page 5.</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.



# 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 Networking screens 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.

The screenshot shows the HP Color LaserJet XXXX MFP Networking Settings screen. The top navigation bar includes tabs for Information, Settings, Digital Sending, and Networking. The left sidebar is divided into three sections: CONFIGURATION (Network Settings, Other Settings, Privacy Settings, Select Language), SECURITY (Settings, Authorization, Mgmt. Protocols, 802.1x Authentication), and DIAGNOSTICS (Authorization, Mgmt. Protocols, 802.1x Authentication). The main content area is titled 'Network Settings' and has a 'TCP/IP' tab selected. The IP Configuration Method is set to BOOTP. A note states: 'Note: A change in IP Address will result in loss of connectivity to the browser.' The IP Address is 192.168.0.10, Subnet Mask is 255.255.255.0, and Default Gateway is 192.68.0.200. Other fields include Host Name, Domain Name, Primary and Secondary WINS Servers, Syslog Server, Syslog Maximum Messages (10), Syslog Priority (7), Idle Timeout (270 Seconds), TTL/SLP (4), System Contact, System Location, LPD Banner Page (Enable), and Default IP (Legacy Default IP). A checkbox for 'Send DHCP requests if IP address is Auto IP (169.254.x.x) or Legacy Default IP' is checked. The bottom right has 'Apply' and 'Cancel' buttons.

**Note:** See the table on the following page for descriptions of the callouts in this illustration.

Callout	Area on screen	Information or capability that the area provides
1	EWS tabs and menus	For more information, see “ <a href="#">Navigating through the HP Embedded Web Server</a> ” on page 5.
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 printer and network configuration settings.
- 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 Embedded Web Server 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 and helpful tips for using them. Also, from the Help screen you can gain access to additional help from the HP Web site.
- **HP Jetdirect Print Server Administrator's Guide.** This guide is normally available on the software CD that came with your product. To download the most recent version of the guide for your print server model, go to: [http://www.hp.com/support/net\\_printing](http://www.hp.com/support/net_printing).

# 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.

The screenshot shows the HP EWS interface for an HP Color LaserJet XXXX MFP. The top navigation bar includes the HP logo, the device name and IP address, and tabs for Information, Settings, Digital Sending, and Networking. A 'Log Off' link is also present. The left sidebar contains a list of menu items: Device Status, Configuration Page, Supplies Status, Event Log, Usage Page, Device Information, Control Panel, and Print. The main content area displays 'Device Information' with a table of device details. Below the main content, the 'Other Links' box is highlighted with a blue arrow, containing three links: 'hp instant support', 'Order Supplies', and 'Product Support'.

Device Information	
Device Name	HP Color LaserJet XXXX MFP
Device Location	Floor 7, Room 2
Asset Number:	
Company Name:	Your Company
Contact Person:	Anyone
IP Address:	192.168.0.10
Product Name:	HP Color LaserJet XXXX MFP
Device Model	CXXXXA
Device Serial Number	XXXXXXXXXX

**Other Links**

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

## 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. (With a permanent storage device installed, you can add up to five additional links; without the extra storage, you can add one additional link.) These links appear throughout the EWS screens, in the **Other Links** box beneath the left navigational bar. For more information, see “[Edit Other Links](#)” on page 32.

## 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.

## Order Supplies

The **Order 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.





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