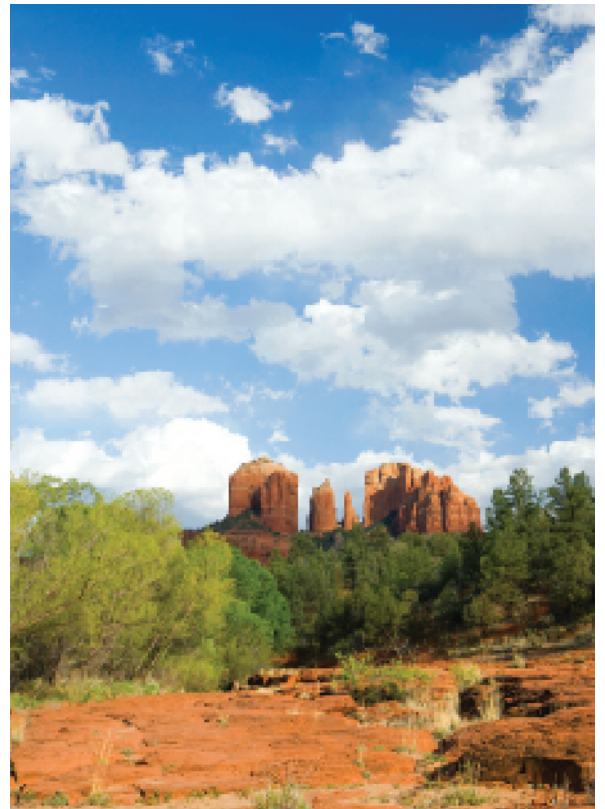


HP Color LaserJet CP3525 Series Printer HP Embedded Web Server User Guide



www.hp.com/support/cljcp3525

HP Color LaserJet CP3525 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 Firefox, can show output from a Web server.

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

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

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

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

Features

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

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

HP Web Jetadmin and the HP Embedded Web Server

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

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

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

System requirements

To use the HP EWS, you must have the following components:

- A supported Web browser. Browsers that support embedded Web servers include, but are not limited to, the following:
 - Konqueror 3.5 or later
 - Microsoft Internet Explorer 6.0 or later
 - Mozilla Firefox 1.0 or later
 - Opera 9.0 or later
 - Safari 1.0 or later
- A transmission control protocol/Internet protocol-based (TCP/IP-based) network connection.
- An HP Jetdirect print server (embedded or enhanced input/output [EIO]) installed in the product.

Opening the HP Embedded Web Server

Use the following procedure to open the HP EWS.

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

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


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

Login and logoff

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

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

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

 **NOTE:** For information about changing passwords as an IT administrator, see [Security on page 37](#). 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 HP EWS, click the **Log In** link in the upper-right corner of the screen.

The **Enter Network Password** dialog box appears. 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 HP EWS continues to run and could pose security risks.

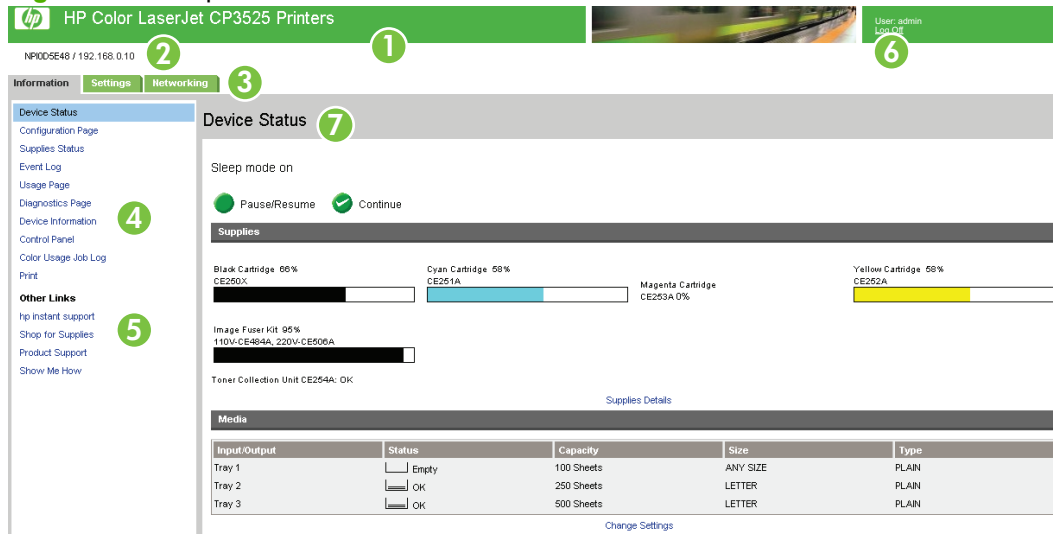
Navigating through the HP Embedded Web Server

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

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

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

Figure 1-1 Sample HP EWS screen



📄 **NOTE:** EWS user interface elements (buttons and text strings) appear in **bolded** text throughout this document.

Table 1-1 HP Embedded Web Server

Callout	HP EWS screen feature	Description	More information
1	Product name	View the product name.	
2	Product TCP/IP address	View the Internet protocol (IP) address for the product.	
3	Tabs	Information tab	View information about the product. You cannot configure the product using the screens on this tab. <ul style="list-style-type: none"> See Viewing product status from the HP EWS Information screens on page 7.
		Settings tab	Use the features on this tab to configure the product. <ul style="list-style-type: none"> See Configuring the product from the Settings screens on page 25.
		Networking tab	View network status and configure the network settings. <ul style="list-style-type: none"> See Managing network operation from the Networking screens on page 55.
4	Menus	Different on each tab	Click a tab to display the menus.

Table 1-1 HP Embedded Web Server (continued)

Callout	HP EWS screen feature	Description	More information	
5	Other Links	hp instant support	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"> See Using the Other Links as a resource on page 57. See hp instant support on page 57.
		Shop for Supplies	Use the Internet to order genuine HP supplies for your HP product.	<ul style="list-style-type: none"> See Product Support on page 59.
		Product Support	Use product-specific help from the HP Web site to solve a problem.	<ul style="list-style-type: none"> See My Service Provider and My Service Contract on page 60.
		Show Me How	View step-by-step instructions for performing printer tasks and solving problems.	
6	Log In/Log Off	Different for each type of user	Log in as an IT administrator or service provider.	<ul style="list-style-type: none"> See Login and logoff on page 3.
7	Screen	Different for each menu item	Click a menu item to show a screen.	<ul style="list-style-type: none"> See Viewing product status from the HP EWS Information screens on page 7. See Configuring the product from the Settings screens on page 25. See Managing network operation from the Networking screens on page 55.

2 Viewing product status from the HP EWS Information screens

The screens available from the **Information** tab are for informational purposes only; you cannot configure the product from these screens. To configure the product through the HP EWS, see [Configuring the product from the Settings screens on page 25](#).

 **NOTE:** Some products do not support all 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.

Figure 2-1 Device Status screen

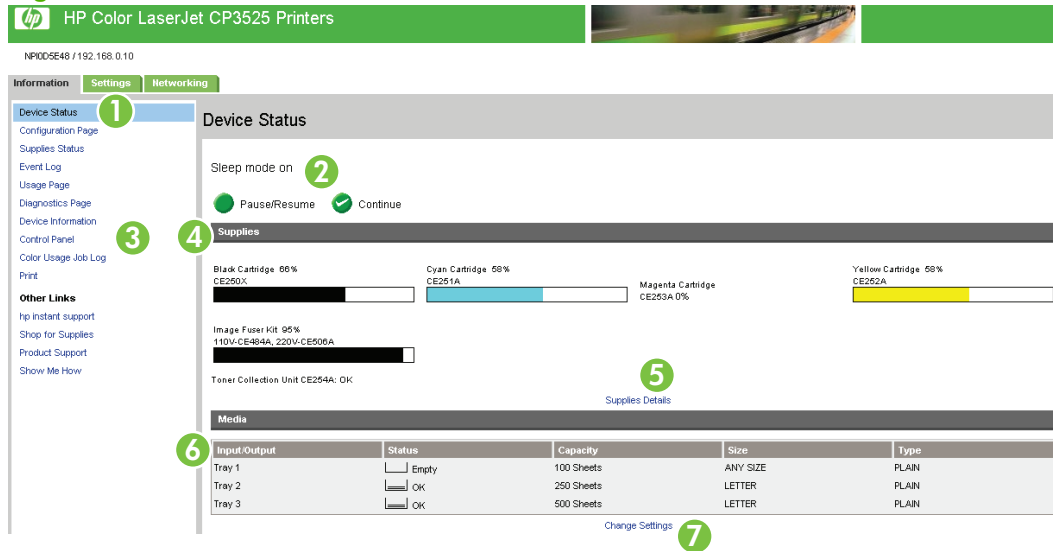


Table 2-1 Device Status

Callout	Area on the screen	Information or capability that the area provides
1	HP EWS tabs and menus	For more information, see Navigating through the HP Embedded Web Server on page 4 .
2	Status	Shows the device status (the same information that appears on the control-panel display).
3	Control-panel buttons	Use these control-panel buttons just as you would at the product. To select which control-panel buttons appear on this screen, go to the Security screen on the Settings tab.
4	Supplies	Shows the percentage of life remaining for each supply.
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. The media status is OK until the tray is completely empty. When the tray is empty, the status is Empty .
7	Change Settings	Opens the Other Settings screen, where you can change the paper-type settings.

Configuration Page

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

Figure 2-2 Configuration Page screen (1 of 2)

HP Color LaserJet CP3525 Printers

NP000E48 / 192.168.0.10

Information Settings Networking

Device Status
Configuration Page
 Supplies Status
 Event Log
 Usage Page
 Diagnostics Page
 Device Information
 Control Panel
 Color Usage Job Log
 Print

Other Links
 hp instant support
 Shop for Supplies
 Product Support
 Show Me How

2 Printer Information

Product Name: HP Color LaserJet CP3525
 Printer Name: HP Color LaserJet CP3525
 Model Number: CXXXXA
 Printer Serial Number: XXXXXXXXXX
 Formatter Number: PJ0000S
 Firmware: 20080326 05.038.0
 DC Controller Version: 02.052 (1A)
 DCController-2 Version: 04.105
 Service ID: 18092
 PS Wait Time-out: 300 seconds
 Engine Cycles: 6572
 Color Cycle Count: 6107

3 Installed Personalities and Options

PS: (20010402)
 PDF: (20050131)
 PCLXL: (20010402)
 PCL: (20010402)
 DIMM Slot 1: 256 MB DDR
 EIO 1: Empty
 RAM DISK Storage: 214 MB Capacity
 Embedded HP JetDirect J8010E 16.88.157.159

4 Color Density

	C	M	Y	K
HIGHLIGHTS	0	0	0	0
MIDTONES	0	0	0	0
SHADOWS	0	0	0	0

5 Color Themes

RGB Color Themes:

Name	Version	Location
Default (sRGB)	1.000	Factory
Photo (sRGB)	1.000	Factory
Photo (Adobe RGB 1998)	1.000	Factory
Vivid (sRGB)	1.000	Factory
None	1.001	Factory

CMYK Color Themes:

Name	Version	Location
Default CMYK+	1.000	Factory
SWOP	1.000	Factory
Euroscale	1.000	Factory
DIC (Danippon)	1.000	Factory

6 Calibration Information

Last CPR (Engine Cycles): 6562
 Last CPR: 21 Apr 2008/21:13
 Last DMMax:DHalt (Engine Cycles): 6560
 Last DMMax:DHalt: 22 Apr 2008/15:00 @

Figure 2-3 Configuration Page screen (2 of 2)

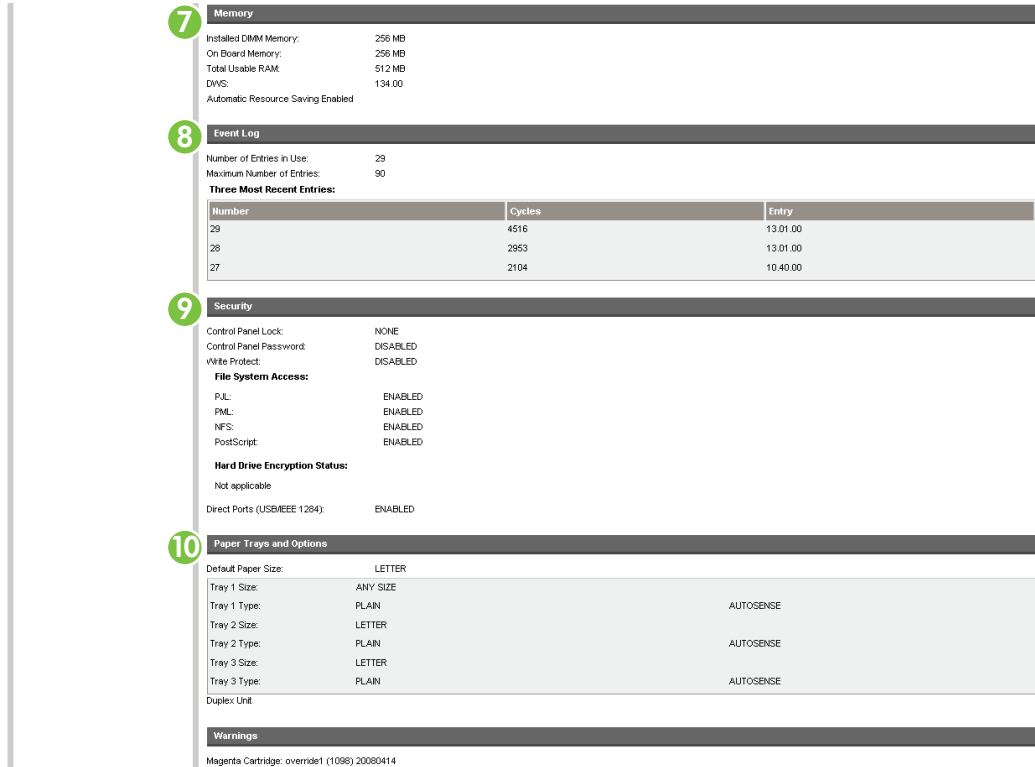


Table 2-2 Configuration Page

Callout	Area on the screen	Information or capability that the area provides
1	HP EWS tabs and menus	For more information, see Navigating through the HP Embedded Web Server on page 4 .
2	Printer Information	Lists the serial number, version numbers, and other information for the device.
3	Installed Personalities and Options	Lists: <ul style="list-style-type: none"> Model and TCP/IP address for all network devices connected to the product (Jetdirect or internal Jetdirect) All of the printer languages that are installed (such as printer command language [PCL] and PostScript® [PS]) Options that are installed in each DIMM slot and EIO slot USB devices that can be connected to a printer used as a host USB controller, such as mass storage devices, card swipes, or keypads
4	Color Density	Lists the cyan, magenta, yellow, and black (CMYK) values for highlights, midtones, and shadows.
5	Color Themes	<p>Default (sRGB). This color theme provides good saturated business graphics and pictures on the same page.</p> <p>Photo (sRGB). This color theme is designed just for printing photo's to produce the most photo realistic match to your screen.</p> <p>Photo (Adobe RGB 1998). This color theme is designed for images that have been captured using a high end digital camera that has been configured to use the Adobe RGB 1998 color space.</p>

Table 2-2 Configuration Page (continued)

Callout	Area on the screen	Information or capability that the area provides
		<p>Vivid (sRGB). This color theme is specifically for printing saturated business graphics that you would like to have some extra “punch”. The colors may be too saturated for photo imagery.</p> <p>None. This color theme provides the user with access to the entire devices range of colors. It enables an advanced user to do their own color management.</p> <p>Default CMYK +. A color theme by HP for CMYK source content that is designed to provide a reasonable color rendering if the specific origin (SWOP, EuroScale or DIC) of the CMYK content is not known.</p> <p>SWOP. A color theme specifically designed to render CMYK content according to the SWOP standard (a CMYK press Specification for Web Offset Printing used in the USA).</p> <p>Euroscale. A color theme specifically designed to render CMYK content according to the Euroscale standard (a CMYK press specification commonly used in Europe).</p> <p>DIC (Dainippon Ink and Chemicals). A color theme specifically designed to render CMYK content according to the DIC standard (a CMYK press specification commonly used in Japan).</p>
6	Calibration Information	<p>Lists the last color-plane registration (CPR) page count, the last CPR page-count date, the last page count (in engine cycles) for DMAX/DHALF, and the last DMAX/DHALF page-count date.</p> <p>Color plane registration occurs when new print cartridges are installed to compensate for any slight variations that might occur in cartridge circumference.</p> <p>DMAX is a density calibration of each print cartridge color at 100% coverage; DHALF is also a density calibration of each print cartridge color, but as a halftone instead of a full color. During halftone printing, the dots of toner are spread out, and coverage of the toner is less than 100%.</p>
7	Memory	Lists the memory information, PCL Driver Work Space (DWS), and resource saving information.
8	Event Log	Lists the number of active entries in the Event Log , the 3 most recent entries, and the Event Log total capacity.
9	Security	<p>Lists the status of the control-panel lock, disk write-protect options, and direct-connect (USB or parallel) ports.</p> <p>You can change the status of the Direct Connect ports on the Security screen under the Settings tab by selecting or clearing the Disable Direct Ports check box.</p>
10	Paper Trays and Options	Lists the size and type of media that is specified for each of the trays in the product. If a duplexing unit or any paper-handling accessories are installed on the product, information about those devices is also listed here.

Supplies Status Page

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.

Figure 2-4 Supplies Status Page screen

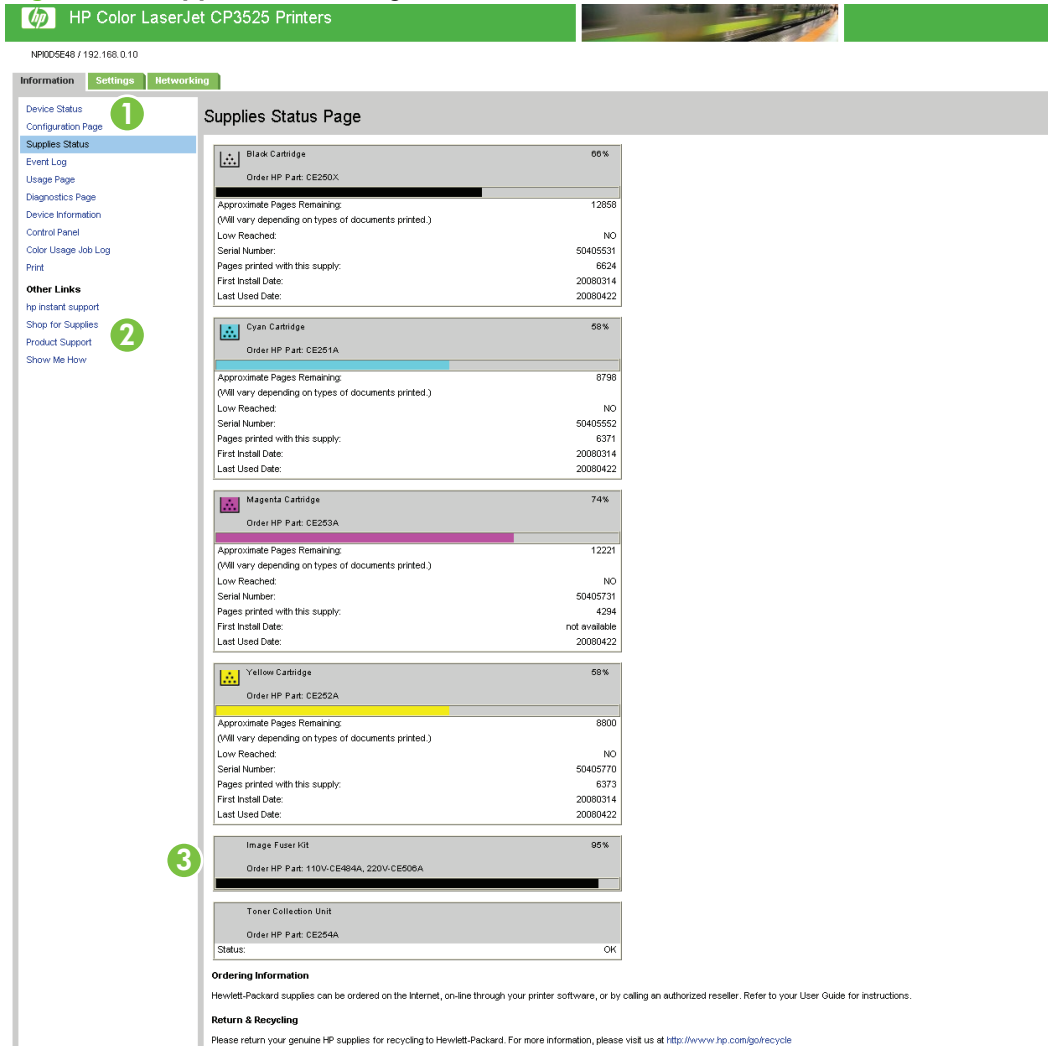


Table 2-3 Supplies Status Page

Callout	Area on the screen	Information or capability that the area provides
1	HP EWS tabs and menus	For more information, see Navigating through the HP Embedded Web Server on page 4 .
2	Shop for Supplies link	Use this feature to connect to a Web page that facilitates online ordering of supplies from a reseller of your choice.
3	Supply 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.

Table 2-3 Supplies Status Page (continued)

Callout	Area on the screen	Information or capability that the area provides
		<p>If the Override at Out option has been enabled at the product control panel, a message appears, when the supply is exhausted, stating that the cartridge was used with the override setting.</p>
		<p>NOTE: If a previously used or moved supply is used, information about the device might not be available. In addition, a warning message about the risks associated with using previously used or moved supplies could appear on the screen. No further information about the status of the supply will be available.</p>

Event Log Page

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

Figure 2-5 Event Log Page screen

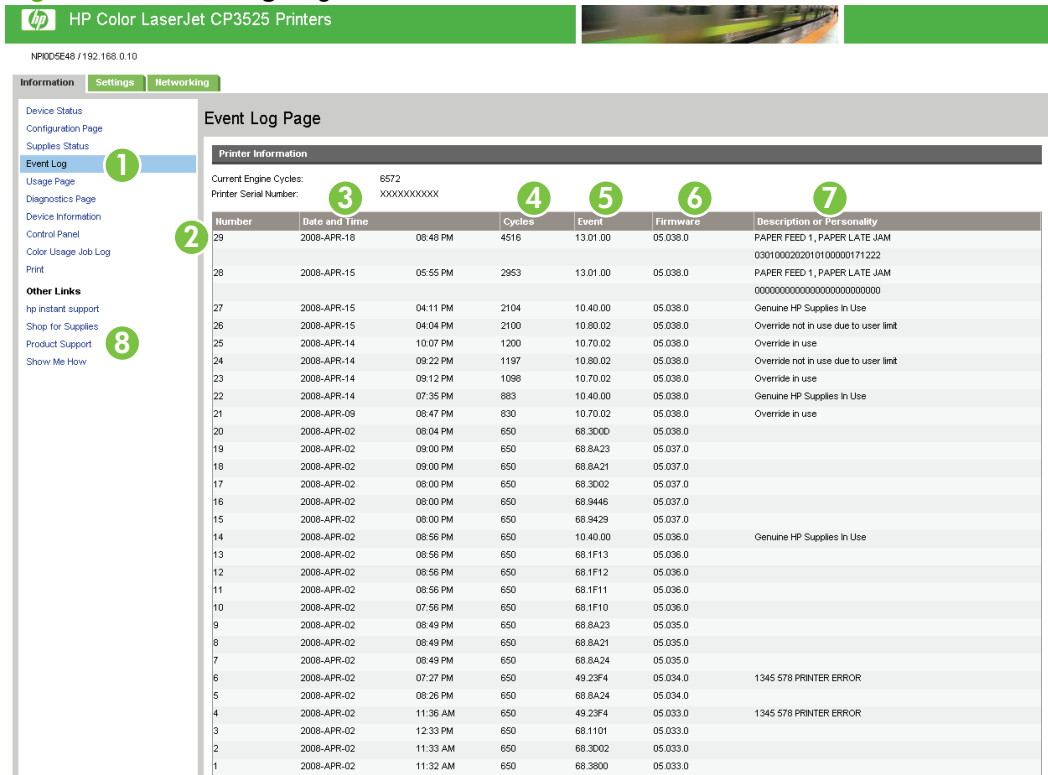


Table 2-4 Event Log Page

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

Usage Page

The **Usage Page** screen gives a page count for each media size 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.

Figure 2-6 Usage Page screen (1 of 3)

HP Color LaserJet CP3525 Printers

NP005E46 / 192.168.0.10

Information Settings Networking

Device Status **1**
 Configuration Page
 Supplies Status
 Event Log
Usage Page
 Diagnostics Page
 Device Information
 Control Panel
 Color Usage Job Log **2**
 Print
Other Links
 hp instant support
 Shop for Supplies
 Product Support
 Show Me How

Usage Page (Color)

Printer Information

Printer Serial Number: XXXXXXXXXX
 Product Name: HP Color LaserJet CP3525 **3**

Impressions **4**

	Units	PRINT		
		Monochrome	Color	Total
LETTER	1.0	244	5,656	5,900
LEGAL	1.3	0	0	0
A4	1.0	0	0	0
EXECUTIVE	0.8	0	0	0
ENVELOPE #10	0.4	0	0	0
ENVELOPE MONARCH	0.3	0	0	0
ENVELOPE CS	0.6	0	0	0
ENVELOPE DL	0.4	0	0	0
B5(JS)	0.7	0	0	0
ENVELOPE BS	0.7	0	0	0
CUSTOM	1.0	0	0	0
POSTCARD(JS)	0.5	0	0	0
DPOSTCARD(JS)	1.0	0	0	0
A5	0.5	0	0	0
16K 197x273 mm	0.8	0	0	0
A6	1.0	0	0	0
B6(JS)	1.0	0	0	0
8.5x13	1.1	0	0	0
STATEMENT	0.5	0	0	0
4x6	0.3	0	0	0
5x8	0.4	0	0	0
16K 195x270 mm	0.8	0	0	0
16K 184x260 mm	0.8	0	0	0
ENVELOPE #9	0.4	0	0	0
ENVELOPE C6	0.3	0	0	0
10x15cm	0.3	0	0	0
5x7	0.4	0	0	0
RA4	1.1	0	0	0

Equivalent Impressions (A4 Letter)

	Monochrome	Color	Total
PRINT	244.0	5,656.0	5,900.0
TOTAL	244.0	5,656.0	5,900.0

Figure 2-7 Usage Page screen (2 of 3)

5

Media Path and Print Mode (Color)		
Paper Path Usage		
Duplexer		
	SIMPLEX SHEETS	DUPLEX SHEETS
LETTER	462	2,730
LEGAL	0	0
A4	0	0
EXECUTIVE	0	0
ENVELOPE #10	0	0
ENVELOPE MONARCH	0	0
ENVELOPE CS	0	0
ENVELOPE DL	0	0
B5(JIS)	0	0
ENVELOPE BS	0	0
CUSTOM	0	0
POSTCARD(JIS)	0	0
DPOSTCARD(JIS)	0	0
A5	0	0
16K 197x273 mm	0	0
A6	0	0
B6(JIS)	0	0
8.5x13	0	0
STATEMENT	0	0
4x6	0	0
5x8	0	0
16K 195x270 mm	0	0
16K 184x260 mm	0	0
ENVELOPE #9	0	0
ENVELOPE C6	0	0
10x15cm	0	0
5x7	0	0
RA4	0	0
Source		
		COUNT
Envelope Feeder		0
Manual Feed Tray		0
Tray 1		0
Tray 2		986
Tray 3		4,936
External Tray		0
Other		0
Destination		
		COUNT
Face Up		0
Face Down		5,922
External Bin		0
Other		0
Blanks		
		COUNT
LETTER		22
LEGAL		0
A4		0
EXECUTIVE		0
ENVELOPE #10		0
ENVELOPE MONARCH		0
ENVELOPE CS		0
ENVELOPE DL		0
B5(JIS)		0
ENVELOPE BS		0
CUSTOM		0
POSTCARD(JIS)		0
DPOSTCARD(JIS)		0
A5		0
16K 197x273 mm		0
A6		0
B6(JIS)		0
8.5x13		0
STATEMENT		0
4x6		0
5x8		0
16K 195x270 mm		0
16K 184x260 mm		0
ENVELOPE #9		0
ENVELOPE C6		0
10x15cm		0
5x7		0
RA4		0

Figure 2-8 Usage Page screen (3 of 3)

Print Mode Usage			
PRINT MODE	MONO	COLOR	TOTAL
AUTO SENSE MODE	249	5,673	5,922
NORMAL MODE	0	0	0
LIGHT MODE	0	0	0
INTRMEDIATE MODE	0	0	0
HEAVY MODE	0	0	0
EXTRA HEAVY MODE	0	0	0
CARDSTOCK MODE	0	0	0
TRANSPARENCY MODE	0	0	0
ROUGH MODE	0	0	0
ENVELOPE MODE	0	0	0
LABEL MODE	0	0	0
GLOSSY MODE	0	0	0
CARD GLOSSY MODE	0	0	0
HEAVYGLOSSY MODE	0	0	0
X-HVYGLOSSY MODE	0	0	0
TOUGH MODE	0	0	0
HUMID TRNS MODE	0	0	0
4MM TRNS MODE	0	0	0
HUMID TOUGH MODE	0	0	0
LT ROUGH MODE 1	0	0	0
LIGHT UP MODE	0	0	0

Media Type Usage			
MEDIA TYPE	MONO	COLOR	TOTAL
PLAIN	249	5,673	5,922
PREPRINTED	0	0	0
LETTERHEAD	0	0	0
COLOR TRANSPARENCY	0	0	0
PREPUNCHED	0	0	0
LABELS	0	0	0
BOND	0	0	0
RECYCLED	0	0	0
COLORED	0	0	0
LIGHT 60-74g	0	0	0
HEAVY 111-130g	0	0	0
CARDSTOCK 176-220g	0	0	0
ROUGH	0	0	0
ENVELOPE	0	0	0
MID-WTGLOSSY96-110	0	0	0
HVY GLOSSY111-130g	0	0	0
OPAQUE FILM	0	0	0
EXTRA HEAVY131-175	0	0	0
XHVYGLOSSY131-175g	0	0	0
CARD GLOSSY176-220	0	0	0
MID-WEIGHT 96-110g	0	0	0
HP MATTE 105g	0	0	0
HP MATTE 120g	0	0	0
HP SOFT GLOSS 120g	0	0	0
HP MATTE 160g	0	0	0
HP GLOSSY 160g	0	0	0
HP MATTE 200g	0	0	0
HP GLOSSY 220g	0	0	0
HP TOUGH PAPER	0	0	0
HP GLOSSY 130g	0	0	0
USER TYPE 1	0	0	0
USER TYPE 2	0	0	0
USER TYPE 3	0	0	0
USER TYPE 4	0	0	0
USER TYPE 5	0	0	0

Table 2-5 Usage Page

Callout	Area on the screen	Information or capability that the area provides
1	HP EWS tabs and menus	For more information, see Navigating through the HP Embedded Web Server on page 4 .
2	Usage Totals (equivalent)	Indicates the types of pages that have been printed, the number of single-sided pages that have been printed, the number of duplexed pages that have been printed, and the total number of pages that have been printed.
3	Units	A unit is equal to a standard A4-size (letter-size) page. All other page sizes are referenced in relation to this standard size. An A4-size (letter-size) page printed on both sides counts as 2 units.
4	Total	Total page counts for all types of printed media.
5	Print Modes & Paper Path Usage (actual)	Indicates the different print modes that have been used for color and monochrome (black-and-white) print jobs.

Diagnostics Page

The **Diagnostics Page** screen provides information about calibration, color density, and parameters.

Figure 2-9 Diagnostics Page screen

HP Color LaserJet CP3525 Printers

NP005E48 / 192.168.0.10

Information Settings Networking

Device Status **1**
 Configuration Page
 Supplies Status
 Event Log
 Usage Page
Diagnostics Page
 Device Information
 Control Panel
 Color Usage Job Log
 Print

Other Links
 hp instant support
 Shop for Supplies
 Product Support
 Show Me How

Diagnostics Page

2 Calibration Information

Last CPR (Engine Cycles): 6562
 Last DPR: 21 Apr 2008 21:13
 Last DMax/DHalf (Engine Cycles): 6560
 Last DMax/DHalf: 22 Apr 2008 15:00 @

3 Color Density

	C	M	Y	K
HIGHLIGHTS	0	0	0	0
MIDTONES	0	0	0	0
SHADOWS	0	0	0	0

4 Parameters

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	BB	CC	DD	EE	FF
1	00	01	02	00	02	03	00	05	09	0e	12	16	1c	1f	1f	20	26	27	2a	26	34	35	36	3c	40	3e	42	47	4a	4a	51	55
2	2d	3e	49	5d	7e	8e	9e	ad	b8	c2	c9	ce	cf	d2	d0	6e	bf	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
3	00	01	01	00	00	01	01	05	06	0f	12	16	1c	1e	20	25	2a	2d	2e	30	39	3e	41	45	49	49	4d	4f	54	59	61	66
4	28	3a	4e	64	8d	a0	b1	b9	c6	d0	d5	d8	d7	d9	e0	79	cb	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
5	00	03	02	00	03	00	03	05	08	00	11	15	18	1d	22	25	2a	2b	2e	32	39	3c	40	44	4b	4b	4e	51	55	58	5e	63
6	2e	3d	52	64	85	95	a4	ae	b6	c0	c5	c7	cc	d2	75	bd	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
7	00	01	02	00	02	02	01	02	08	08	11	15	15	19	20	11	27	26	2a	31	30	35	3a	3c	3f	41	46	4b	4a	4f	52	53
8	27	34	41	50	79	8e	9e	ae	b9	c4	ca	cd	d0	d4	d6	d6	c1	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
9	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
10	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
11	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
12	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
13	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
14	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
15	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
16	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
17	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
18	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
19	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
20	00	40	00	00	00	00	00	00	50	ff	d9	00	00	ff	dc	ff	d3	00	02	00	00	ff	12	ff	e7	00	00	00	00	00	00	00
21	16	17	2a	00	00	00	00	00	01	1a	00	00	04	69	80	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
22	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
23	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
24	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
25	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
26	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
27	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
28	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
29	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
30	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
31	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
32	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
33	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
34	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
35	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
36	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00

Table 2-6 Diagnostics Page

Callout	Area on the screen	Information or capability that the area provides
1	HP EWS tabs and menus	For more information, see Navigating through the HP Embedded Web Server on page 4 .
2	Calibration Information	<p>Lists the last color-plane registration (CPR) page count, the last CPR page-count date, the last page count (in engine cycles) for DMAX/DHALF, and the last DMAX/DHALF page-count date.</p> <p>Color plane registration occurs when new print cartridges are installed to compensate for any slight variations that might occur in cartridge circumference.</p> <p>DMAX is a density calibration of each print cartridge color at 100% coverage; DHALF is also a density calibration of each print cartridge color, but as a halftone instead of a full color. During halftone printing, the dots of toner are spread out, and coverage of the toner is less than 100%.</p>

Table 2-6 Diagnostics Page (continued)

Callout	Area on the screen	Information or capability that the area provides
3	Color Density	Lists the cyan, magenta, yellow, and black (CMYK) values for highlights, midtones, and shadows.
4	Parameters	For color devices, specific engine settings related to the printing or electrophotographic process are critical in identifying device status and function. The electrophotographic parameters, which are used to detect, diagnose, and track print-quality defects, appear in a 272-cell binary array that contains the settings registered by the device engine. These registers also appear at the bottom of the Diagnostics Page screen.

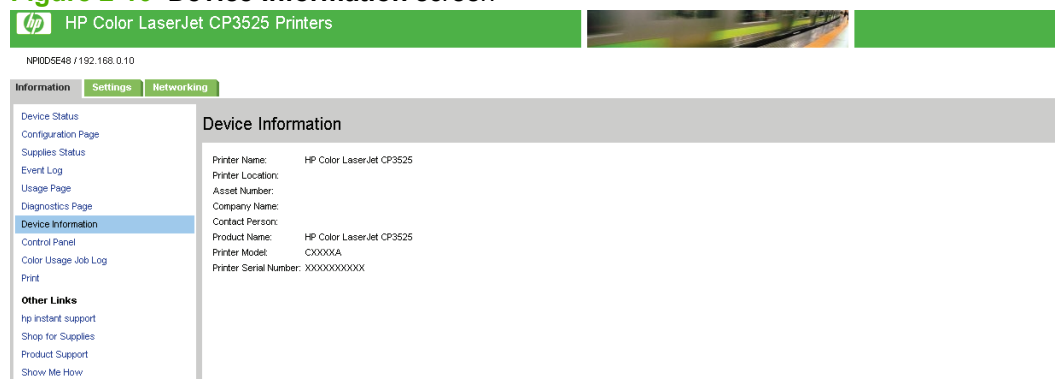
Device Information

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

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

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

Figure 2-10 Device Information screen

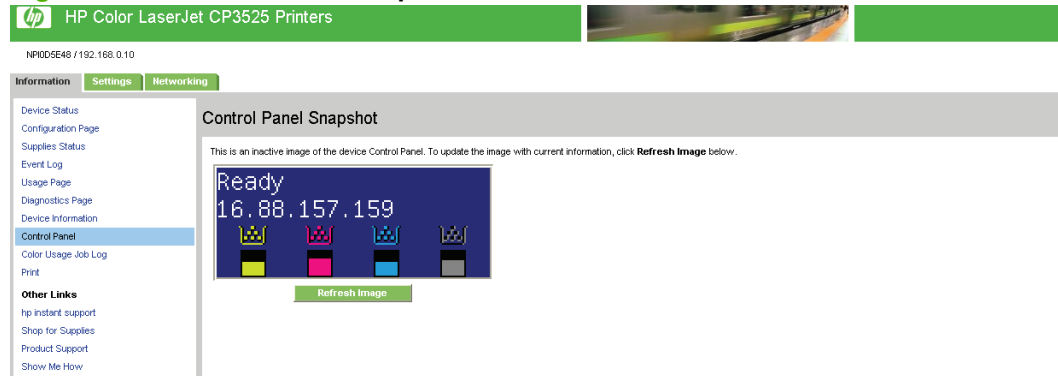


Control Panel Snapshot

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

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

Figure 2-11 Control Panel Snapshot screen



Color Usage Job Log

NOTE: The **Color Usage Job Log** screen is available only if it has been configured to appear on the **Security** screen under the **Settings** tab. Use the **Security** screen to disable the **Color Usage Job Log** screen if you do not want it to appear for security reasons. For more information, see [Security on page 37](#).

Use the **Color Usage Job Log** to view usage details for the printer. The following illustration and table describe how to use the **Color Usage Job Log** screen.

Figure 2-12 Color Usage Job Log screen

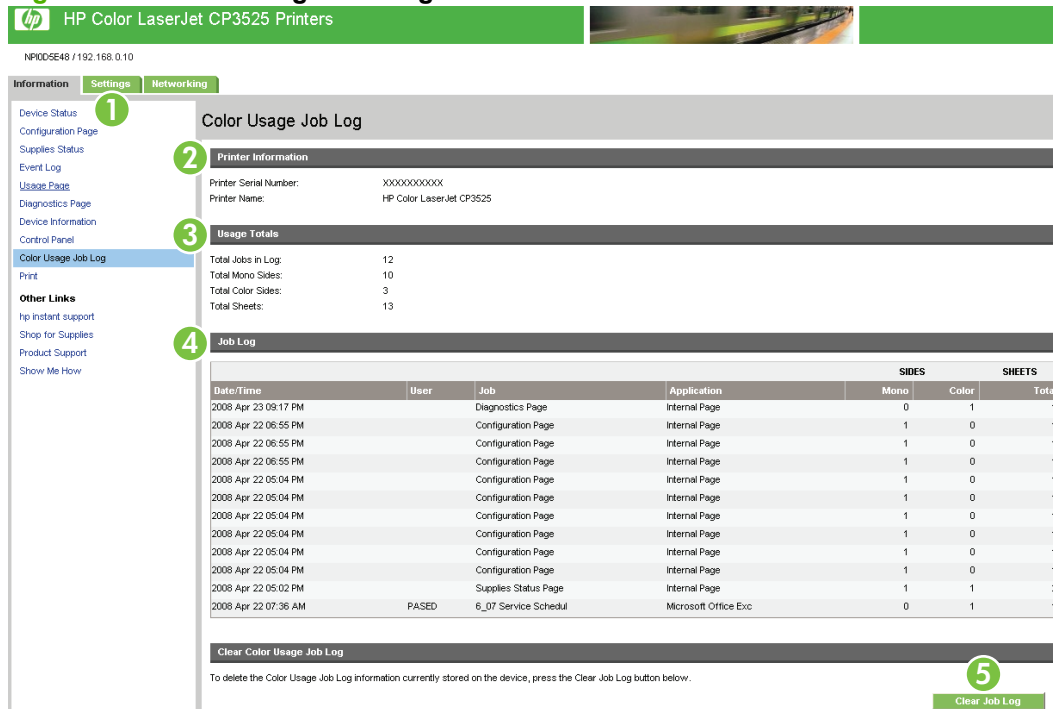



Table 2-7 Color Usage Job Log

Callout	Area on the screen	Information or capability that the area provides
1	HP EWS tabs and menus	For more information, see Navigating through the HP Embedded Web Server on page 4 .
2	Printer Information	Lists the serial number and name of the printer.
3	Usage Totals	Summarizes usage totals for all jobs, mono sides, color sides, and total sheets.
4	Job Log	Displays usage data for the selected page in the log. The Job Log empties when you turn the product off. If a hard disk is installed on your product, the Job Log shows a maximum of 7,400 jobs. If a hard disk is not installed on your product, the Job Log shows a maximum of 32 jobs. Click Previous or Next to move through the log, or click the page number you wish to see. The displayed data changes as you move through the log.
5	Clear Color Usage Job Log	Click the Clear Job Log button to delete the contents of the Color Usage Job Log.

Print

 **NOTE:** The **Print** screen (and the **Print** menu on the left) is available only if it has been configured to appear on the **Security** screen under the **Settings** tab. Use the **Security** screen to disable the **Print** screen if you do not want it to appear for security reasons. For more information, see [Security on page 37](#).

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

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

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

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

www.hp.com/go/cljcp3525_firmware

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

Figure 2-13 Print screen

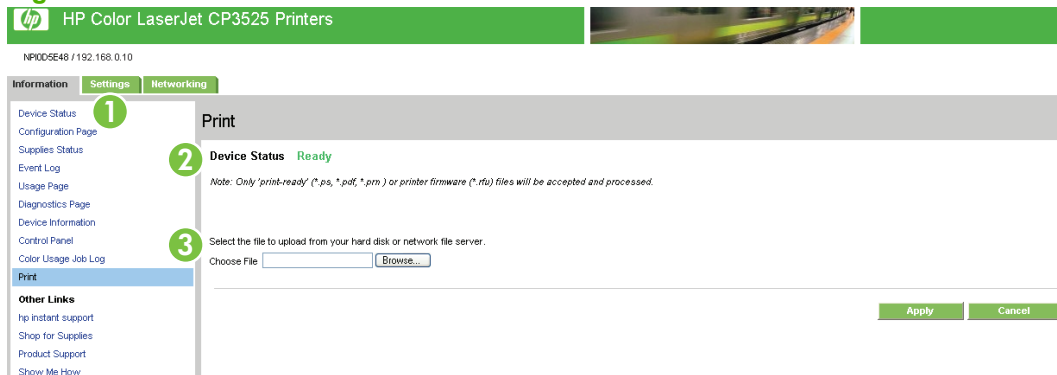


Table 2-8 Print page

Callout	Area on screen	Information or capability that the area provides
1	HP EWS tabs and menus	For more information, see Navigating through the HP Embedded Web Server on page 4 .
2	Device Status	Shows the device status (the same information that appears on the Device Status screen and the control-panel display). NOTE: The printer must have a Ready status in order to receive firmware updates and print-ready files.
3	Choose File	Allows you to select a file for printing that is located on your laptop, computer, or a network file server.

Printing a file or updating firmware from the Print screen

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

1. Select a file that resides on your machine or on your network, and then click the button under **Option 1** to browse to a file that you want to print.
2. Click **Apply**.

3 Configuring the product from the Settings screens

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

Configure Device

Use the **Configure Device** screen to print device information pages and remotely configure the device.

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

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

Figure 3-1 Configure Device screen

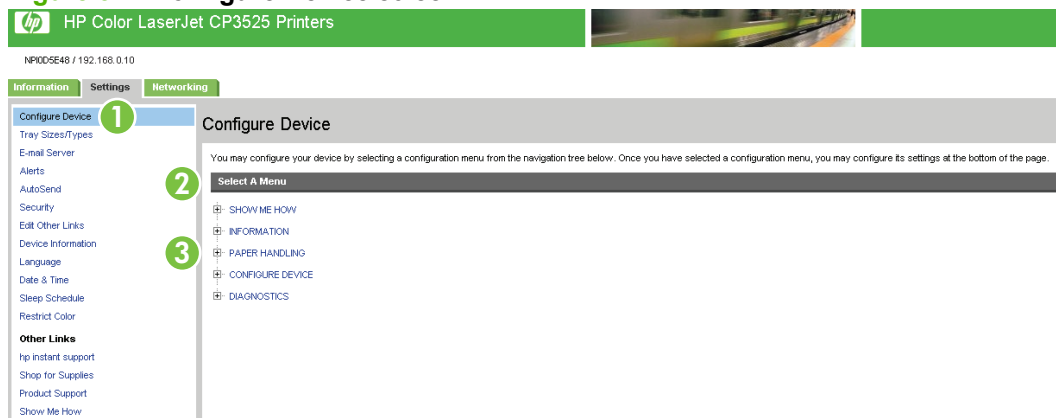


Table 3-1 Configure Device

Callout	Area on the screen	Information or capability that the area provides
1	HP EWS tabs and menus	For more information, see Navigating through the HP Embedded Web Server on page 4 .

Table 3-1 Configure Device (continued)


Callout	Area on the screen	Information or capability that the area provides	
2	Select a Menu	Show Me How menu	See step-by-step instructions for performing printer tasks.
		Information menu	Print device information pages, which provide details about the device and its configuration.
		Paper Handling menu	Set the type of media that is in each tray.
		Configure Device menu	Configure the device to affect the device behavior. For example, you can configure device personality settings from this menu, such as print-quality settings or destination bins.
		DIAGNOSTICS menu	Get information about the device that you can use to troubleshoot problems.
3	Plus sign (⊕)	Click the plus sign next to a menu, or click the menu, to see the submenus or subentries.	

Using the menus on the Configure Device screen

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

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

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

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

Tray Sizes/Types

Use the **Tray Sizes/Types** screen to assign paper sizes and paper types for each tray on the product. The following illustration and table describe how to use this screen.

Figure 3-2 Tray Sizes/Types screen

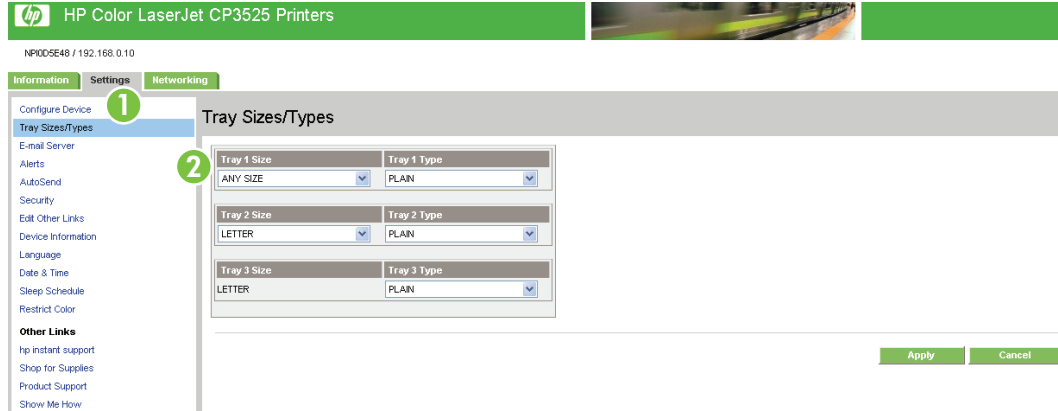


Table 3-2 Tray Sizes/Types

Callout	Area on the screen	Information or capability that the area provides
1	HP EWS tabs and menus	For more information, see Navigating through the HP Embedded Web Server on page 4 .
2	Tray Sizes and Tray Types	Use these menus to select the default paper sizes and types for each tray on the product.

E-mail Server

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

Figure 3-3 E-mail Server screen

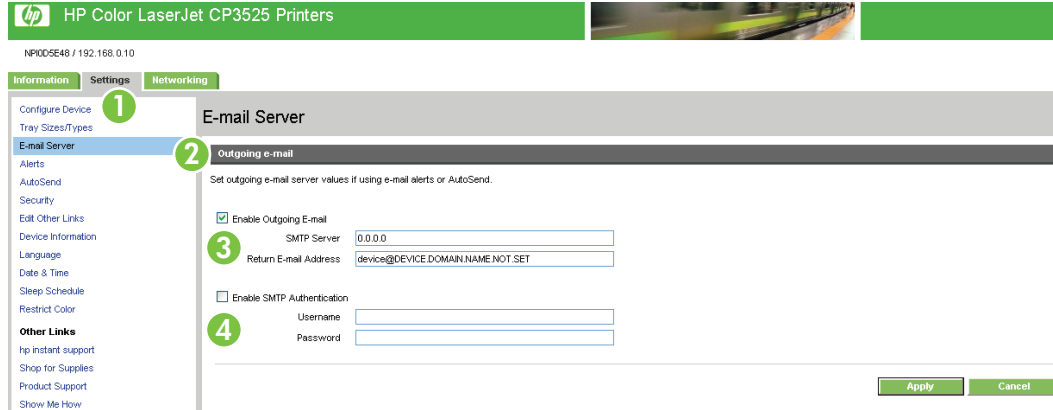


Table 3-3 E-mail Server

Callout	Area on the screen	Information or capability that the area provides
1	HP EWS tabs and menus	For more information, see Navigating through the HP Embedded Web Server on page 4 .
2	Outgoing e-mail	Configure outgoing e-mail if you intend to use the Alerts or AutoSend features. For more information, see Using the Alerts screen with a product on page 32 .
3	Return E-mail Address	This is the device's e-mail address that appears in device alerts. For more information, see Configuring the return e-mail address on page 29 .
4	Enable SMTP Authentication	If your SMTP server requires authentication, type the credentials here.


Configuring outgoing e-mail

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

1. Find the TCP/IP address or fully-qualified domain name of the simple mail transfer protocol (SMTP) mail server on your network. The EWS uses the SMTP server TCP/IP address to relay e-mail messages to other computers. The e-mail server address field also supports IPV6 addresses (SMTP6).

 **NOTE:** Your organization's network or e-mail administrator typically provides this information.

2. Select the **Enable Outgoing E-mail** check box.
3. Type the SMTP server TCP/IP address or the fully-qualified domain name found in step 1 in the **SMTP Server** text box.
4. Type the return e-mail address for the device (optional).

 **NOTE:** For information about configuring the return e-mail address for the device, see [Configuring the return e-mail address on page 29](#).

5. If the SMTP server requires authentication, select the **Enable SMTP Authentication** check box and type the username and password (optional).
6. Click **Apply** to save the changes.

Configuring the return e-mail address

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

In this example, the identity of the product is:
`anyone@your.company.com`

Alerts

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

NOTE: With a permanent storage device installed, such as a hard disk, a user can create up to four different destination lists, with up to 20 recipients on each list. (Without the permanent storage device, a user can send alerts to only four e-mail addresses.)

By selecting the **Select Control Panel Messages to Suppress** option (available on the **Alerts - setup** screen that appears when you press the **New Destination List** button), you can suppress the **Order Cartridge** or **Replace Cartridge** supplies status messages on the control panel. The control panel message is suppressed only when you select one or both of these alerts.

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

NOTE: In order for e-mail alerts to function, outgoing e-mail must be enabled. To enable outgoing e-mail, see [Configuring outgoing e-mail on page 28](#).

Figure 3-4 Alerts screen

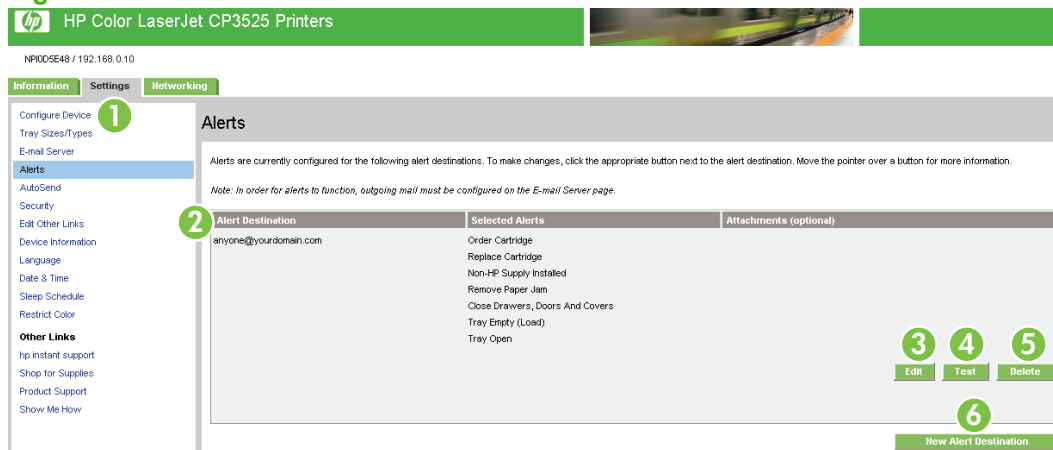


Table 3-4 Alerts

Callout	Area on the screen	Information or capability that the area provides
1	HP EWS tabs and menus	For more information, see Navigating through the HP Embedded Web Server on page 4 .
2	Destination list summary	Lists the current selections for each destination. The List Name field appears only if a hard disk has been installed.
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.

Table 3-4 Alerts (continued)

Callout	Area on the screen	Information or capability that the area provides
5	Delete	Click this button to delete the destination or destination list.
6	New Destination List	Click this button to define the settings for a new destination list for alerts.

Using the Alerts screen with a product

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

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

Figure 3-5 Alerts - setup screen (1 of 2)

HP Color LaserJet CP3525 Printers

NP005E48 / 192.168.0.10

Information Settings Networking

Configure Device
Tray Sizes/Types
E-mail Server
Alerts
AutoSend
Security
Edit Other Links
Device Information
Language
Date & Time
Sleep Schedule
Restrict Color
Other Links
hp instant support
Shop for Supplies
Product Support
Show Me How

Alerts - setup

Step 1: Type the alert destination

Type the alert destination 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*)

Alert Destination:

Step 2: Select Alerts

Select the alerts that you would like the alert destination to receive. The most common alerts are listed here.

Alert Name	Selected	Threshold*
Order Cartridge	<input type="checkbox"/>	7 (0-100) percent
Replace Cartridge	<input type="checkbox"/>	
Non-HP Supply Installed	<input type="checkbox"/>	
Remove Paper Jam	<input type="checkbox"/>	
Close Drawers, Doors And Covers	<input type="checkbox"/>	
Tray Empty (Load)	<input type="checkbox"/>	
Tray Open	<input type="checkbox"/>	

* 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.

Show All Alerts

Step 3: Select Control Panel Messages to Suppress

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

Order Cartridge

Step 4: Select e-mail attachments (optional)

Select the attachments that you want to include with each e-mail alert message. 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 the alert destination you have chosen to receive alerts is an automated computer system.

XML Data

OK Cancel


To configure alerts

1. Do one of the following:
 - To create a new destination list, click **New Alert Destination**.
 - Or-
 - To modify an existing destination list, click **Edit** next to the list that you want to modify.The **Alerts - setup** screen appears.
2. Type a name in the **List Name** field, such as Service or Supplies.

3. Type the e-mail addresses to designate the people who will receive alerts. In large environments, system administrators can route e-mail addresses to list servers, URLs, and mobile devices for expanded alerts. Add multiple destinations by separating each destination with a comma or semicolon.
4. Select the check box for the alerts that you want sent with this destination list. (To see all of the alerts that are available for the product, click **Show All Alerts**.)
5. Where applicable, set the threshold value for the individual alerts.

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

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

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

7. Select the attachments to include with your e-mail alert messages. These attachments may include the following pages. (Go to the **Information** tab to see examples of these pages.)

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

Select **XML Data** 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 Page** in HTML, and a third consisting of instant support information in a text file attachment that has an XML extension.

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

Use the following procedure to test the destination list configuration.

To test the configuration of a destination list

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

The following window appears.

Figure 3-6 Alerts - test screen

HP Color LaserJet CP3525 Printers

NP000SE48 / 192.168.0.10

Information Settings Networking

Configure Device
Tray Sizes/Types
E-mail Server
Alerts
AutoSend
Security
Edit Other Links
Device Information
Language
Date & Time
Sleep Schedule
Restrict Color
Other Links
hp instant support
Shop for Supplies
Product Support
Show Me How

Alerts - test

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

Alert Destination: anyone@yourdomain.com

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

Return Address: device@DEVICE.DOMAIN.NAME.NOT.SET

Message Text:

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

The product does not need attention at this time.

Product:
HP Color LaserJet CP3525

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

Currently selected attachments:
Thank you for using Hewlett-Packard products!

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

Your Notes (optional):

OK Cancel

2. Select the destinations that you want to test.
3. The **Return Address** is the product's e-mail address. Type your e-mail address in the **Return Address** box if you would like to receive messages about any errors that are generated from the test alert (for example, to be notified of an incorrect destination address).
4. If applicable, type additional information that you would like to appear at the beginning of the e-mail alert message in the **Your Notes (optional)** text field.
5. Click **OK**.

To delete destinations and destination lists

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

AutoSend

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

Figure 3-7 AutoSend screen

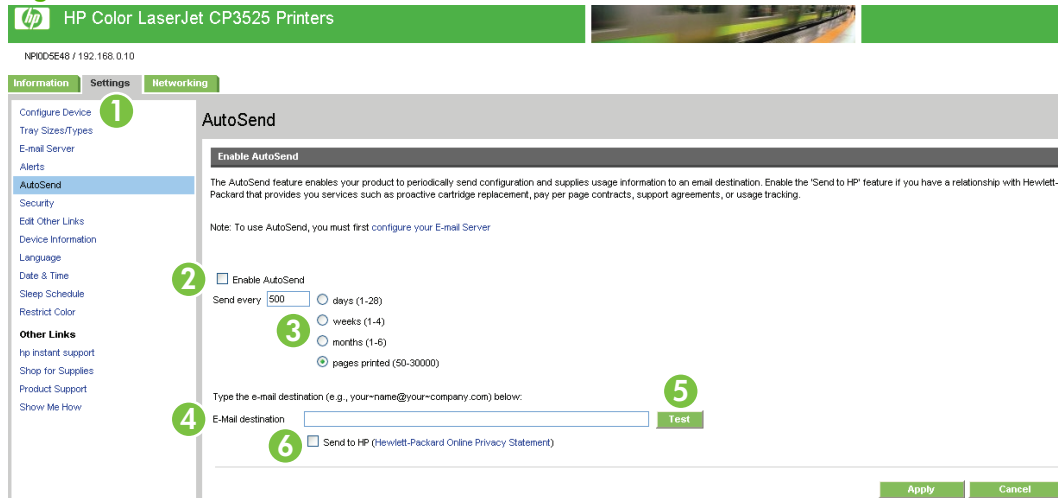


Table 3-5 AutoSend

Callout	Area on the screen	Information or capability that the area provides
1	HP EWS tabs and menus	For more information, see Navigating through the HP Embedded Web Server on page 4 .
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 E-Mail Destinations field.
4	E-Mail Destinations	Save a list of up to 20 e-mail addresses to receive the product-configuration information. The first e-mail address can be no more than 50 characters long.
5	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.
6	Send to HP	Select this check box to send device configuration and supplies status information to HP on a regular basis. The information will be sent to an HP e-mail address (for example, myproduct@hp.com) in a text-based file with an XML file extension. This file will be created in English. To view more information about how HP treats the information that is sent by AutoSend , click Hewlett-Packard Online Privacy Statement .

To turn on the AutoSend feature

Use the following procedure to make the **AutoSend** feature available.

1. Make outgoing e-mail functions available by following the instructions that are listed in this chapter. (For more information, see [E-mail Server on page 28.](#))
2. Select the **Enable AutoSend** check box.
3. Click an option to specify the interval at which you want the product to send the product-configuration and supplies-usage information to the e-mail recipients (determined in the next step), and then type the number of days, weeks, months, or pages printed.
4. Configure up to 20 destinations using the format that appears on the screen.
5. To send device configuration and supplies status information to HP, select the **Send to HP** check box.
6. Click **Apply**.

Security

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

Figure 3-8 Security screen

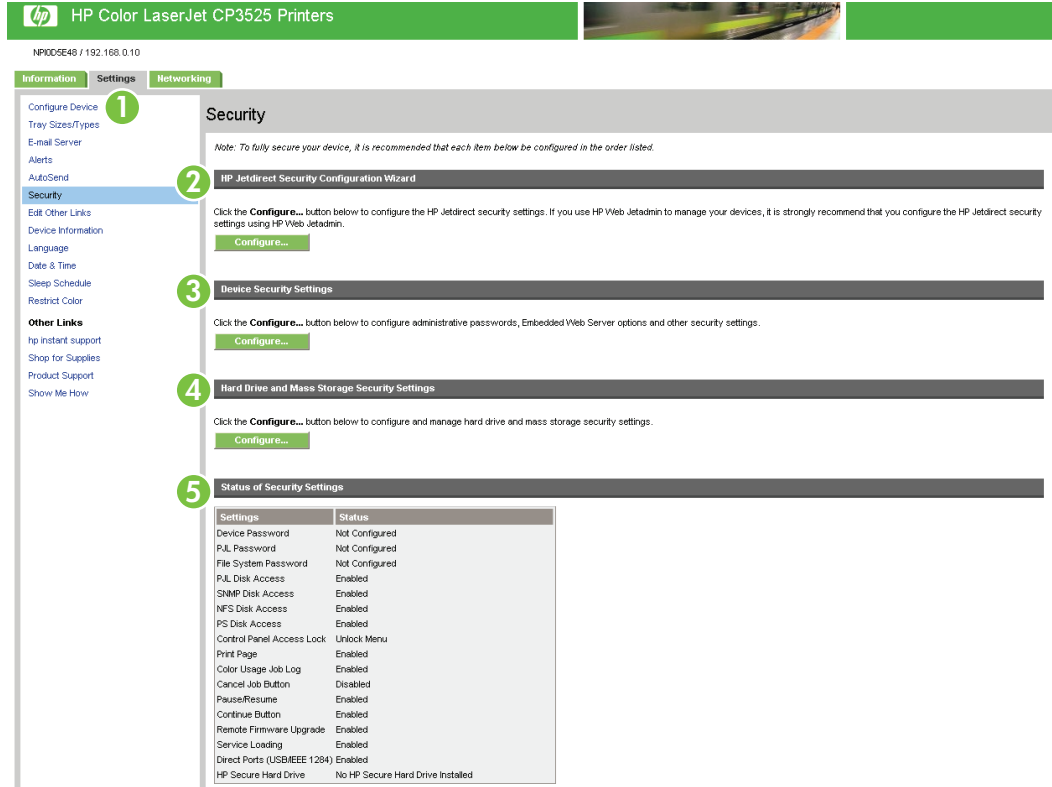


Table 3-6 Security

Callout	Area on the screen	Information or capability that the area provides
1	HP EWS tabs and menus	For more information, see Navigating through the HP Embedded Web Server on page 4 .
2	HP Jetdirect Security Configuration Wizard button	The HP Jetdirect Security Configuration Wizard button allows you to configure security settings for the device's HP Jetdirect print server.
3	Configure Security Settings button	The Configure Device Security Settings button allows you to configure administrative passwords, Embedded Web Server options and other security settings.
4	Hard Drive and Mass Storage Security Settings button	<p>The Perform Secure Storage Erase button allows you to perform disk wipes that will remove all data that has been stored on any mass storage unit attached to the device.</p> <p>NOTE: The settings for the type of Secure Storage Erase to be performed can be configured in the File Erase Mode section of the device's security settings page.</p> <p>NOTE: The device's file system password must be set before a Secure Storage Erase operation can be performed. The file system password can be set in the File System Password section of the device's security settings page. See Configure Security Settings on page 38.</p> <p>NOTE: This button does not appear if the device does not have a mass storage device installed.</p>

Table 3-6 Security (continued)

Callout	Area on the screen	Information or capability that the area provides
		NOTE: Click Apply Automatic Encryption Setting to enable encryption for an HP Secure Hard Drive hard drive.
5	Status of Security Settings	This section presents a summary of the current security settings on the device. These settings can be modified by clicking on the Configure Security Settings button.

Configure Security Settings

Use the **Configure Security Settings** screen to set the desired levels of security. The following illustration and table describe how to use this screen.

Figure 3-9 Configure Security Settings screen (1 of 2)

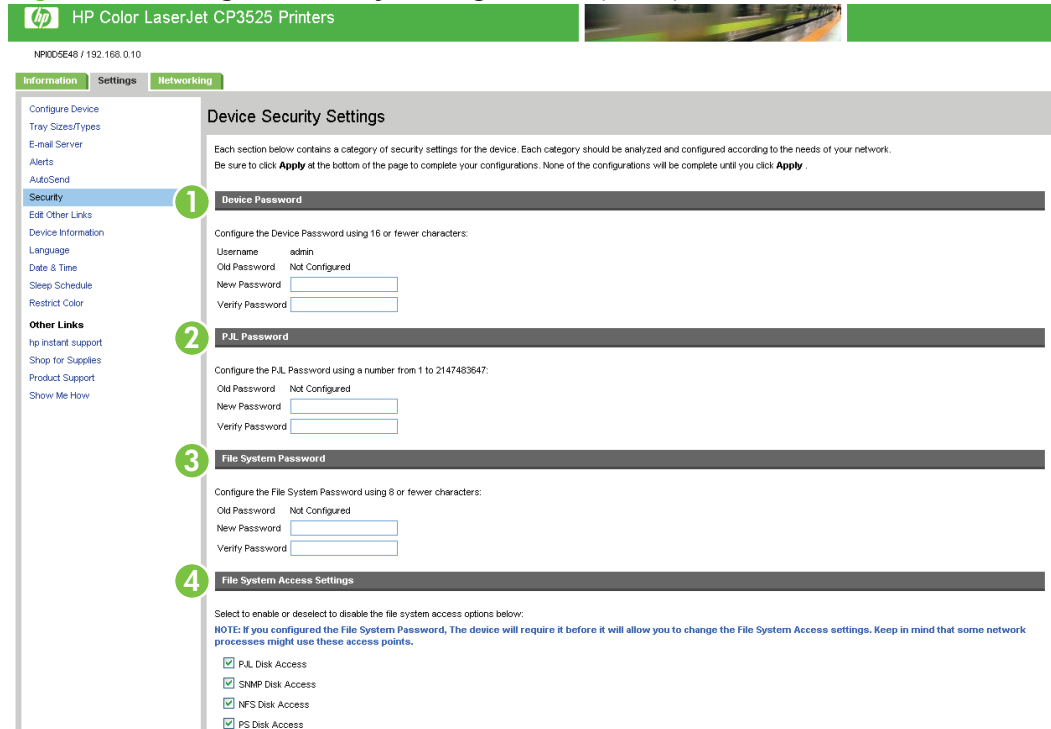


Figure 3-10 Configure Security Settings screen (2 of 2)

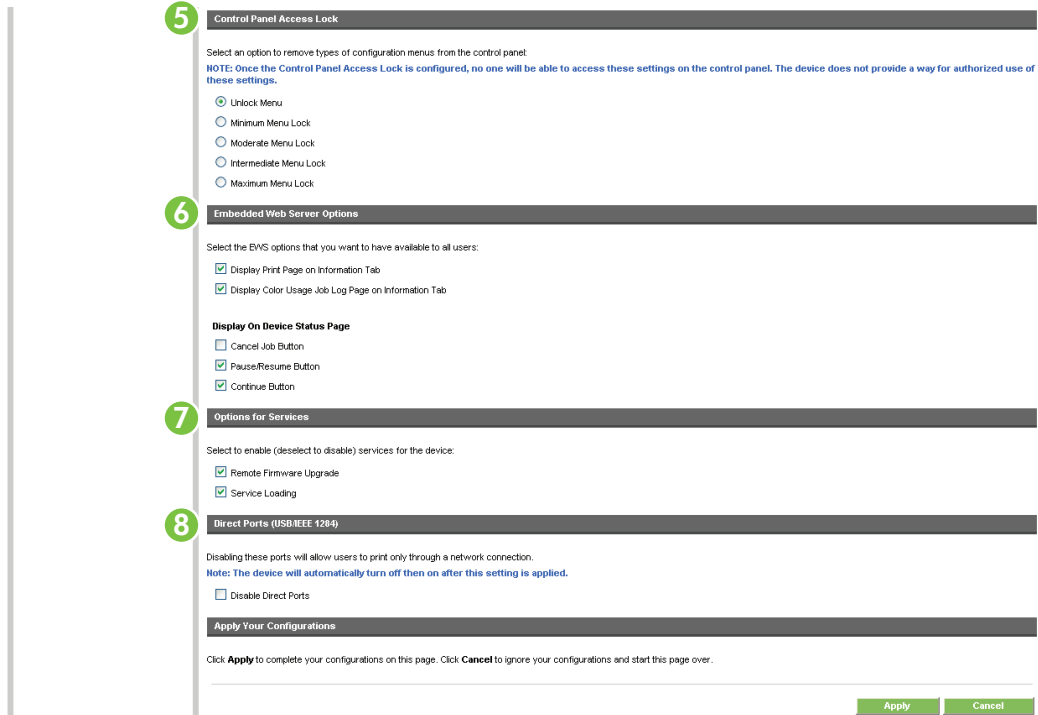


Table 3-7 Configure Security Settings

Callout	Area on the screen	Information or capability that the area provides
1	Device Password	<p>Use this feature to set your password using a maximum of 16 characters. The device password allows you to control who can access and change device settings.</p> <p>To assign or change the device password:</p> <ol style="list-style-type: none"> 1. If the device currently has a password assigned, type the current device password in the Old Password text box. 2. Leave the New Password and Verify Password text boxes blank. 3. Type the same device password in the Verify Password text box. 4. Click Apply at the bottom of the page. 5. An authorization dialog box appears. Use the new password to re-authenticate to the device. <p>To disable the device password:</p> <ol style="list-style-type: none"> 1. Type the current device password in the Old Password text box. 2. Leave the New Password and Verify Password text boxes blank. 3. Click Apply at the bottom of the page. 4. An authorization dialog box appears. Use the new password to re-authenticate to the device.
2	PJL Password	<p>PJL (Printer Job Language) is a command language that enables some features of the printer such as banner pages. Setting the PJL Password locks access to these PJL features.</p> <p>Set the PJL Password so that only authorized users can access PJL enabled features. The PJL Password can be any number between 1 and 2147483647.</p>

Table 3-7 Configure Security Settings (continued)

Callout	Area on the screen	Information or capability that the area provides
3	File System Password	<p>Use this feature to prevent unauthorized users from changing any file system configuration options and from performing a secure storage erase operation.</p> <p>The File System Password must be set to perform a secure storage erase operation and to configure the secure file erase modes and the file system external access. The File System Password can be up to 8 characters long.</p>
4	File System Access Settings	<p>Use this feature to select which subsystems or embedded printer languages have access to the device file systems.</p> <p>NOTE: The File System Password must be configured before these settings can be modified.</p>
5	Control Panel Access Lock	<p>Use this feature to lock the device control panel, preventing unauthorized users from accessing it and changing the device settings. Users can still read the settings on the printer's control panel.</p> <p>The following options are available.</p> <ul style="list-style-type: none"> ● Unlock menu. Allows full control panel access. ● Minimum Menu Lock. Locks out the RESETS MENU, CONFIGURATION MENU, and the I/O MENU. ● Moderate Menu Lock. Locks out the menus locked by the Minimum Menu Lock, plus the PRINT QUALITY MENU and the PAPER HANDLING MENU. ● Intermediate Menu Lock. All items in the following menus are locked out: <ul style="list-style-type: none"> ◦ PAPER HANDLING MENU ◦ CONFIGURE DEVICE MENU ◦ DIAGNOSTICS MENU ◦ SERVICE MENU <p>NOTE: Intermediate Menu Lock is a stand-alone menu. It does not build on other menus.</p> ● Maximum Menu Lock. Locks out the menus locked by Minimum Menu Lock and Moderate Menu Lock, plus the PRINTING MENU, INFORMATION MENU, and the Job Cancel key. <p>NOTE: If the menu item is locked, any attempt made to change a variable from the front panel will generate a warning on the control panel display indicating that the control panel menus are locked.</p>
6	Embedded Web Server Options	<p>Use this feature to display or hide Embedded Web Server pages as well as to enable or disable some capabilities of the device.</p>
7	Options for Services	<p>Use this feature to enable services for the printer:</p> <ul style="list-style-type: none"> ● Remote Firmware Upgrade. Allows you to enable or disable upgrades to the device firmware. ● Service Loading. Allows you to enable or disable the ability for third-party applications to load custom services on the device. ● Job Retention. Allows you to enable or disable Job Retention capabilities (Job Hold, Proof, Store, and PIN Printing).
8	Direct Ports (USB/ IEEE 1284)	<p>Use this feature to force users to communicate with the device over a network. Setting this option allows more control of device usage by enforcing network defined permissions.</p>

Table 3-7 Configure Security Settings (continued)

Callout	Area on the screen	Information or capability that the area provides
		When this setting is applied, the device turns off and then back on to disable the direct port.

HP Jetdirect Security Configuration Wizard

Use the **HP Jetdirect Security Configuration Wizard** to HP Jetdirect print server management.

HP Web Jetadmin is a powerful web-based software utility for installing, configuring, and managing network-connected devices. Since it can install and configure devices, it must be able to secure itself against unwanted access. Not only can it secure itself against unwanted users, it can also secure the devices it manages against unwanted access. Securing devices is important for the following reasons:

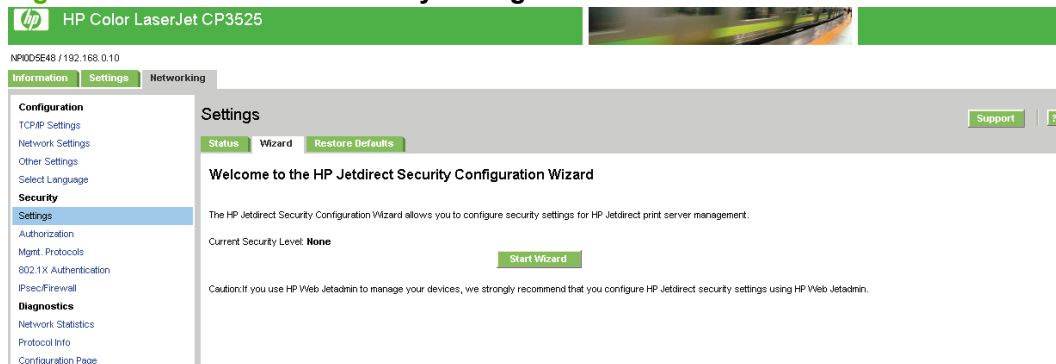
- Reduce printer down time
- Reduce help desk calls
- Minimize troubleshooting visits
- Minimize consumable usage

NOTE: If you use HP Web Jetadmin to configure your printer, HP recommends that you configure HP Jetdirect security settings with HP Web Jetadmin.

As HP Jetdirect firmware is enhanced or revised, performance and security issues are addressed. Always keep the firmware on the printer at the latest revision level to ensure maximum security. HP Web Jetadmin provides the ability to upgrade HP Jetdirect firmware either individually or in batches.

The following illustration describes how to use this screen.

Figure 3-11 HP Jetdirect Security Configuration Wizard



Edit Other Links

Use the **Edit Other Links** screen to add or customize up to five links to the Web sites of your choice (see the following note). These links appear throughout the HP EWS screens in the **Other Links** box beneath the left navigational bar. Four permanent links (**hp instant support**, **Shop for Supplies**, **Product Support**, and **Show Me How**) 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.

Figure 3-12 Edit Other Links screen

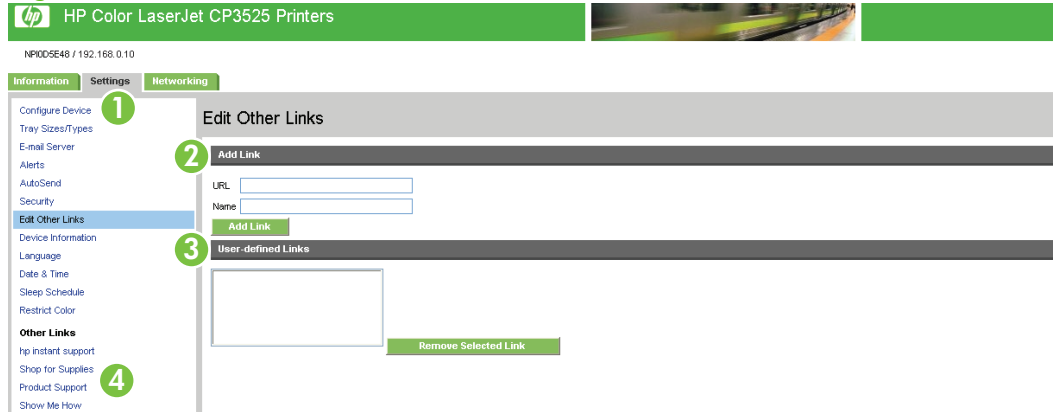


Table 3-8 Edit Other Links

Callout	Area on the screen	Information or capability that the area provides
1	HP EWS tabs and menus	For more information, see Navigating through the HP Embedded Web Server on page 4 .
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.
4	Other Links	<p>hp instant support 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.)</p> <p>Shop for Supplies Connect to a Web page that facilitates online ordering of supplies from a reseller of your choice.</p> <p>Product Support Gain access to specific product help from the HP Web site.</p> <p>Show Me How View step-by-step instructions for performing printer tasks.</p> <p>My Service Provider Connect to the home page of your service provider. This link appears only if the service provider has configured it.</p> <p>My Service Contract 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.</p>

Adding a link

Use this procedure to add a link.

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

Removing a link

Use this procedure to remove a link.

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

Device Information

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

Figure 3-13 Device Information screen

HP Color LaserJet CP3525 Printers

NP00D5E48 / 192.168.0.10

Information Settings Networking

Configure Device
Tray Sizes/Types
E-mail Server
Alerts
AutoSend
Security
Edit Other Links
Device Information
Language
Date & Time
Sleep Schedule
Restrict Color
Other Links
Ipi instant support
Shop for Supplies
Product Support
Show Me How

Device Information

Printer Name: HP Color LaserJet CP3525
Printer Location:
Asset Number:
Company Name:
Contact Person:
Product Name: HP Color LaserJet CP3525
Printer Model: CXXXXXA
Printer Serial Number: XXXXXXXXXX

Apply Cancel

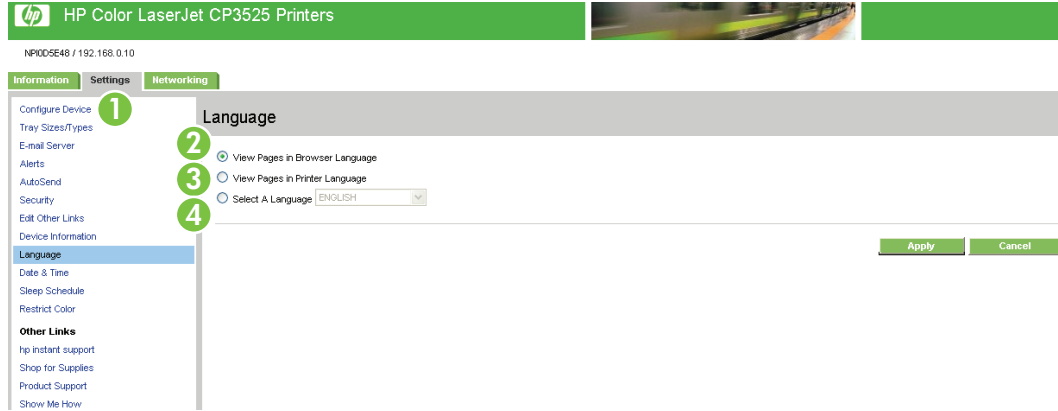
 **NOTE:** If you make any changes on the **Device Information** screen, click **Apply** to save the changes.

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

Figure 3-14 Language screen



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

Table 3-9 Language

Callout	Area on the screen	Information or capability that the area provides
1	HP EWS tabs and menus	For more information, see Navigating through the HP Embedded Web Server on page 4 .
2	View Pages in Browser Language (this is the default)	Use this feature to detect which language is selected for your Web browser. The HP EWS screens appear in the same language.
3	View Pages in Printer Language	Use this feature to detect which language is selected for the device control panel. The HP EWS screens appear in the same language.
4	Select a Language	Select the language for the HP EWS screens from the drop-down menu. NOTE: The Asian languages supported by EWS only will be displayed correctly if the OS has those languages previously installed and configured.

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

Date & Time

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

Figure 3-15 Date & Time screen

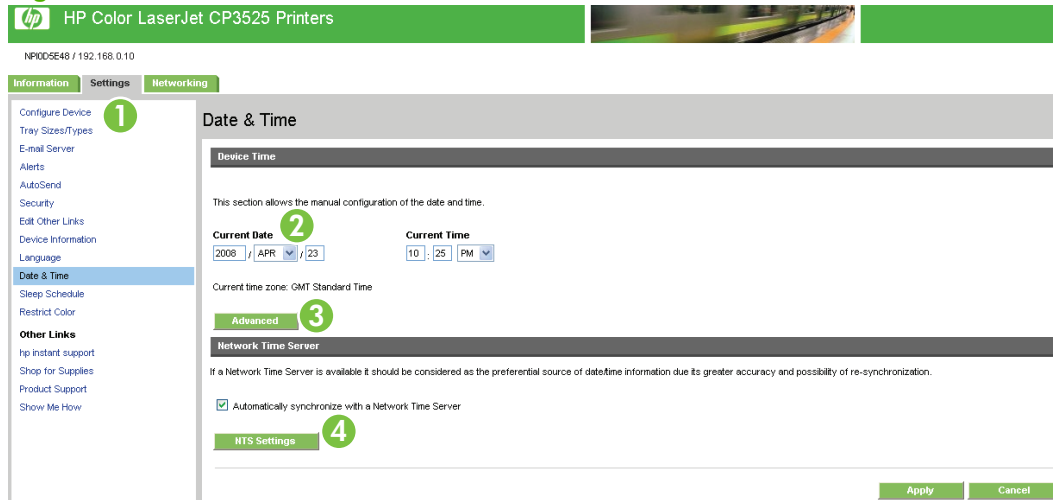


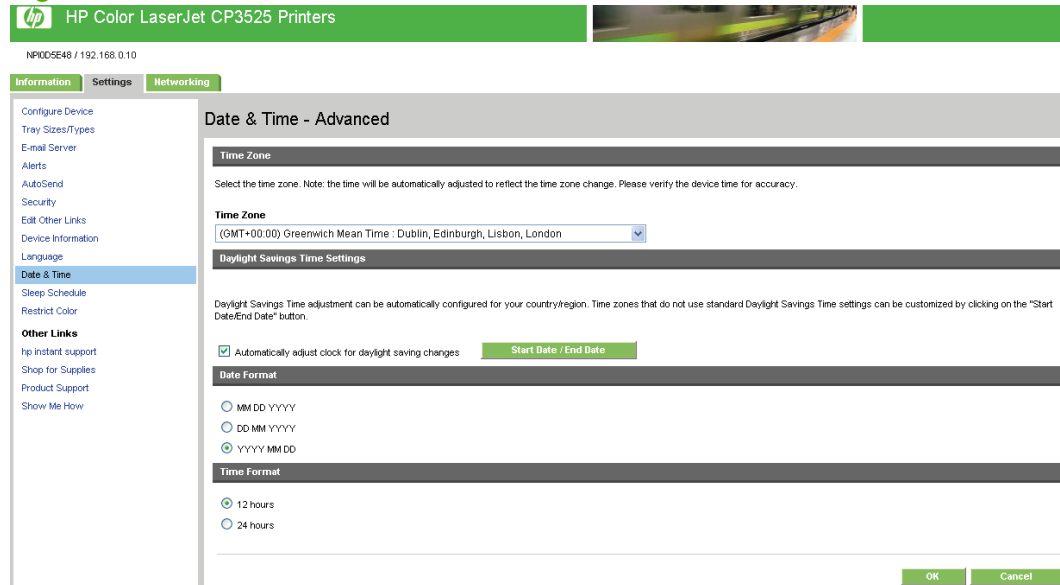
Table 3-10 Date & Time

Callout	Area on the screen	Information or capability that the area provides
1	HP EWS tabs and menus	For more information, see Navigating through the HP Embedded Web Server on page 4 .
2	Current Date and Current Time	Shows the product date and time when the EWS was opened. If either is incorrect, an IT administrator can change the information at the product control panel or through this HP EWS page.
3	Advanced	Click this button to open a screen where you can edit advanced Date & Time settings.
4	NTS Settings	Click this button to configure a network time server.

Date & Time - Advanced

Use the **Date & Time - Advanced** screen to select the time zone (under **Time Zone**), Daylight Savings time settings (under **Daylight Savings Time Settings**), and formats you prefer for displaying the date (under **Date Format**) and time (under **Time Format**). The following illustration shows the **Date & Time - Advanced** screen.

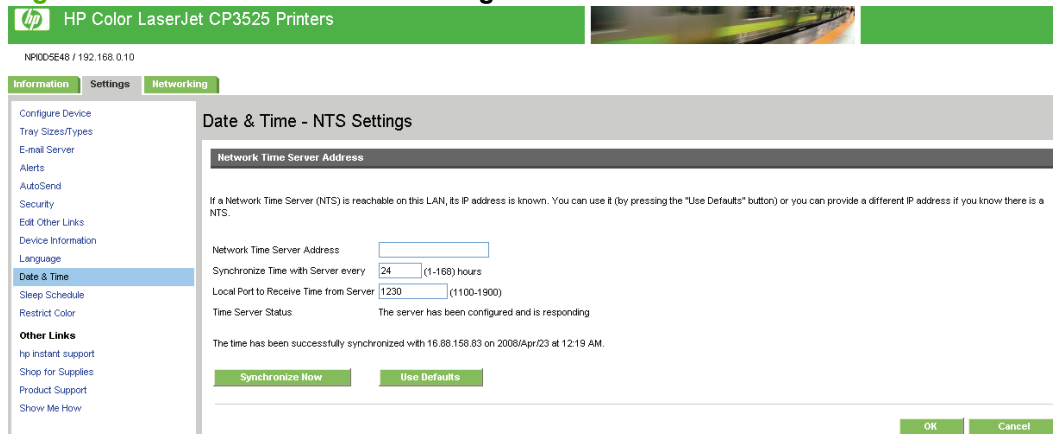
Figure 3-16 Date/Time Format screen



Date & Time - NTS Settings

Use the **Date & Time - NTS Settings** screen to synchronize the HP EWS with a network time server. The following illustration shows the screen.

Figure 3-17 Date & Time - NTS Settings screen



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

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

1. Type the TCP/IP address or host name of a network time server in the **Network Time Server Address** field. This is the network time server the HP EWS will use for synchronization.
2. In the **Synchronize Time with Server every** field, type the interval you want the synchronization to occur.
3. In the **Local Port to Receive Time from Server** field, type the number of the appropriate port.
4. Click **Synchronize Now** to synchronize immediately. If you do not click **Synchronize Now** the clock will synchronize at the next scheduled time.

Sleep Schedule

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

Figure 3-18 Sleep Schedule screen

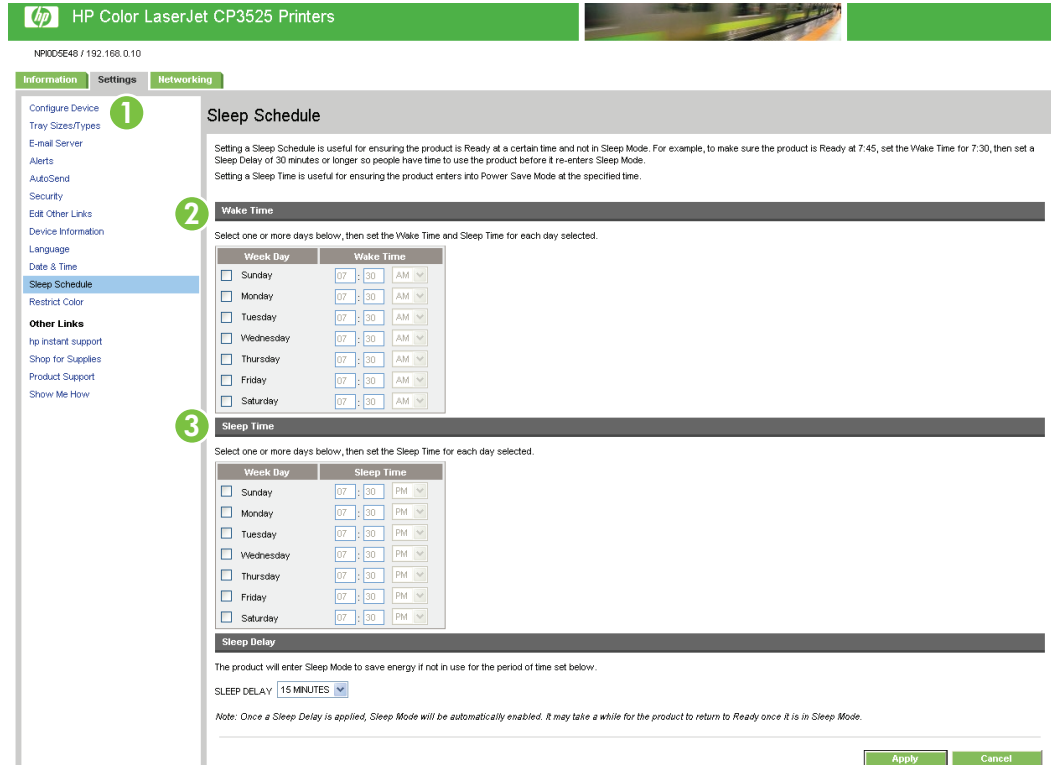


Table 3-11 Sleep Schedule

Callout	Area on the screen	Information or capability that the area provides
1	HP EWS tabs and menus	For more information, see Navigating through the HP Embedded Web Server on page 4 .
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 Time	Select one or more days on which to use the Sleep Time setting, and then set the time the product is set to sleep each day.

Restrict Color

Use the **Restrict Color** screen to restrict color printing. You can restrict color printing for all users or for specific users or specific applications. The following illustration and table describe how to use this screen.

Figure 3-19 Restrict Color screen

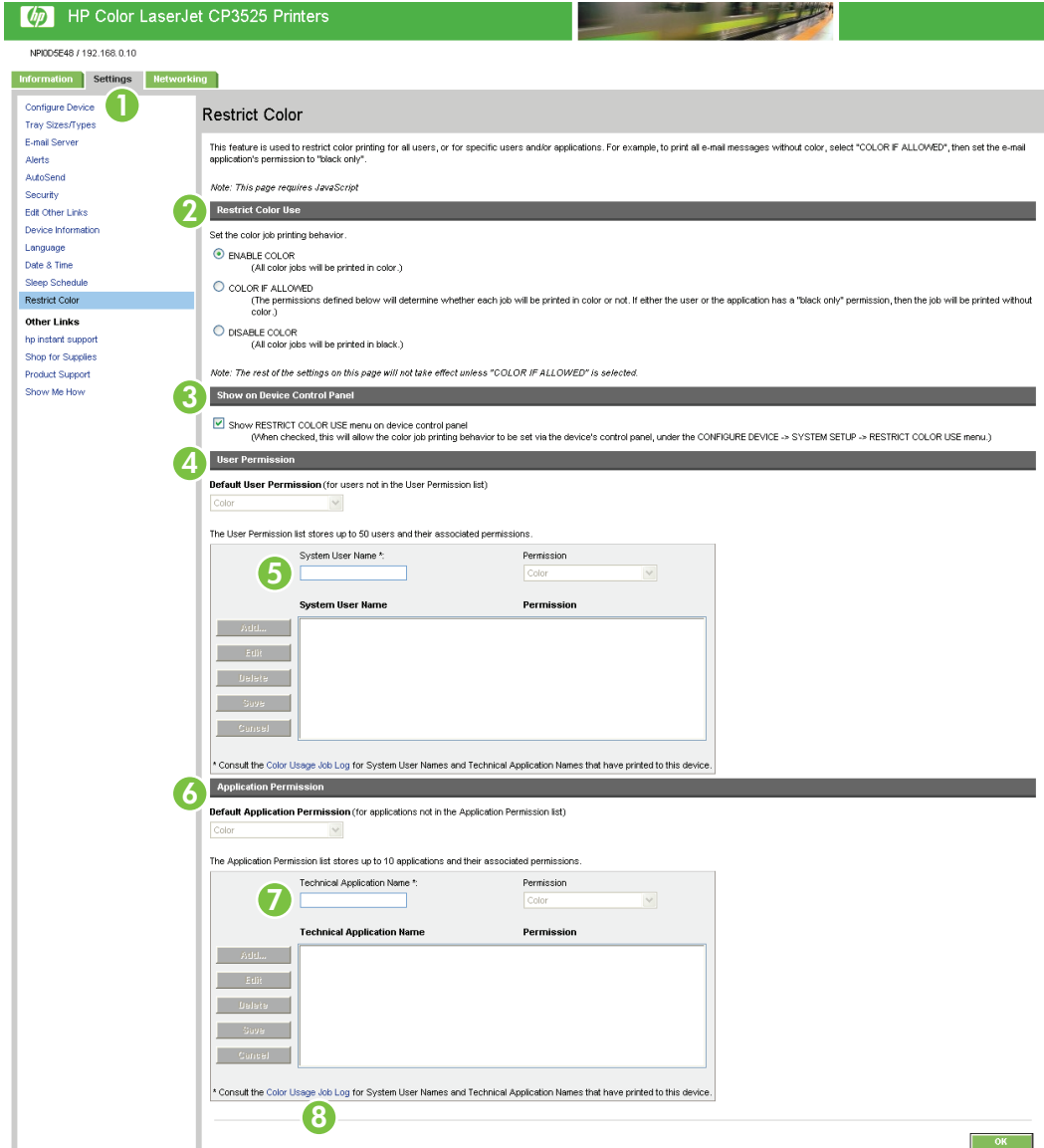


Table 3-12 Restrict Color

Callout	Area on the screen	Information or capability that the area provides
1	HP EWS tabs and menus	For more information, see Navigating through the HP Embedded Web Server on page 4 .
2	Restrict Color Use	Select whether to print all color jobs in color, print all color jobs in black, or allow printing in color according to custom permission settings. To assign custom permissions settings, you must select COLOR IF ALLOWED .
3	Show on Device Control Panel	Select this option to enable color restriction features from the printer control panel.

Table 3-12 Restrict Color (continued)

Callout	Area on the screen	Information or capability that the area provides
4	Default User Permission	Select the default color print setting for users who are not in the User Permission list .
5	User Permission list	<p>Assign color printing permissions to users in the list. To add users to the list;</p> <ol style="list-style-type: none">1. Click Add.2. Type the new system user name in the System User Name field.3. Click Save. <p>To change permissions;</p> <ol style="list-style-type: none">1. Select the system user name.2. Click Edit.3. Change the values of the System User Name or Permission fields. <p>To delete a user from the list;</p> <ol style="list-style-type: none">1. Select the system user name to delete.2. Click Delete. <p>NOTE: Avoid spaces in system user names.</p>
6	Default Application Permission	Select the default color printing settings for applications that are not listed in the Application Permission list .
7	Application Permission list	<p>Assign color printing permissions to applications in the list. To add applications to the list;</p> <ol style="list-style-type: none">1. Click Add.2. Type the new Technical Application Name in the Technical Application Name field.3. Click Save. <p>To change permissions;</p> <ol style="list-style-type: none">1. Select the Technical Application Name.2. Click Edit.3. Change the values of the Technical Application Name or Permission fields. <p>To delete a Technical Application Name from the list;</p> <ol style="list-style-type: none">1. Select the Technical Application Name to delete.2. Click Delete.
8	Color Usage Job Log	Click the link to view names of applications and users that have printed to this device.

Using the Restrict Color screen with a product

You can restrict color usage for individuals or for specific applications.

Clicking the **COLOR IF ALLOWED** option on the **Restrict Color** page enables the **User Permission** and **Application Permission** features of the screen, as shown in the following illustration.

Figure 3-20 Restrict Color screen -COLOR IF ALLOWED option

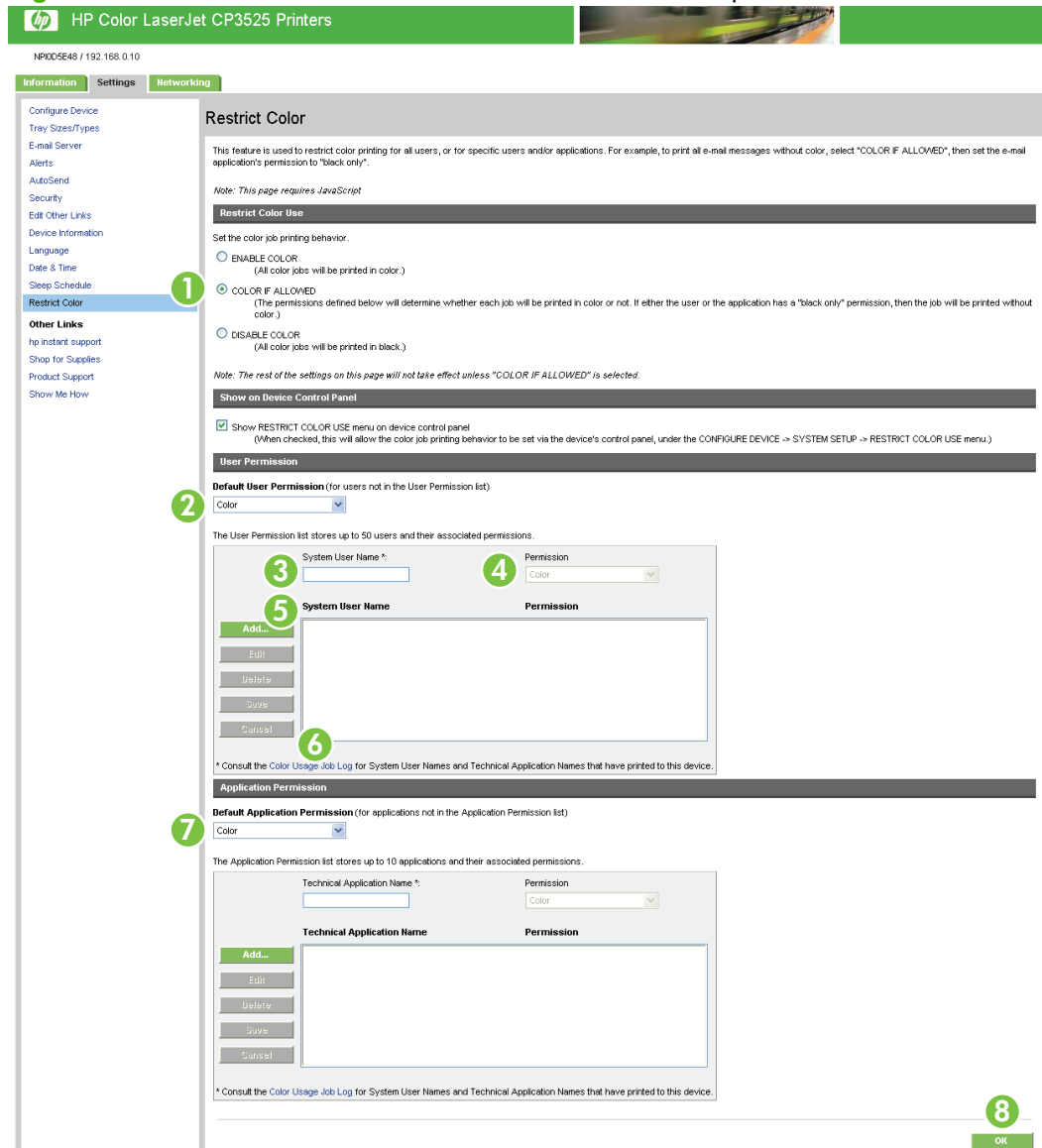




Table 3-13 Restrict Color – COLOR IF ALLOWED

Callout	Area on the screen	Information or capability that the area provides
1	COLOR IF ALLOWED	Select this option to enable the User Permission and Application Permission features.
2	Default User Permission	Select the default color setting for users not defined in the User Permission list.
3	System User Name	Type the System User Name in this field.

Table 3-13 Restrict Color – COLOR IF ALLOWED (continued)

Callout	Area on the screen	Information or capability that the area provides
4	Permission	Select the permission level for color use for the user listed in the System User Name field.
5	User Permission list	Select names from this list, then use the command buttons to Add , Edit , Delete , Save , or Cancel permissions for each user.
6	Color Usage Job Log	Click this link for a list of System User Names that have printed to the product.
7	Application Permission	Use the controls in this area to set color permissions for the applications on the system.
8	OK	Click this button to save your changes.

To set System User or Technical Application permissions

1. Click **Add**.
2. Click the **System User Name** field or the **Technical Application Name** field and type the user name or application name.
 **NOTE:** Click the **Color Usage Job Log** link to see a list of users or applications to see a list of the users and applications that have printed to the product.
3. Select a permission level from the **Permission** drop-down menu.
4. Click **Save** to add the user name or application name to the list.
 **NOTE:** To edit or delete a user or application from the list, click the user name or application name on the list, and then click **Edit** or **Delete**.

4 Managing network operation from the Networking screens

Overview

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

Figure 4-1 Network Settings screen

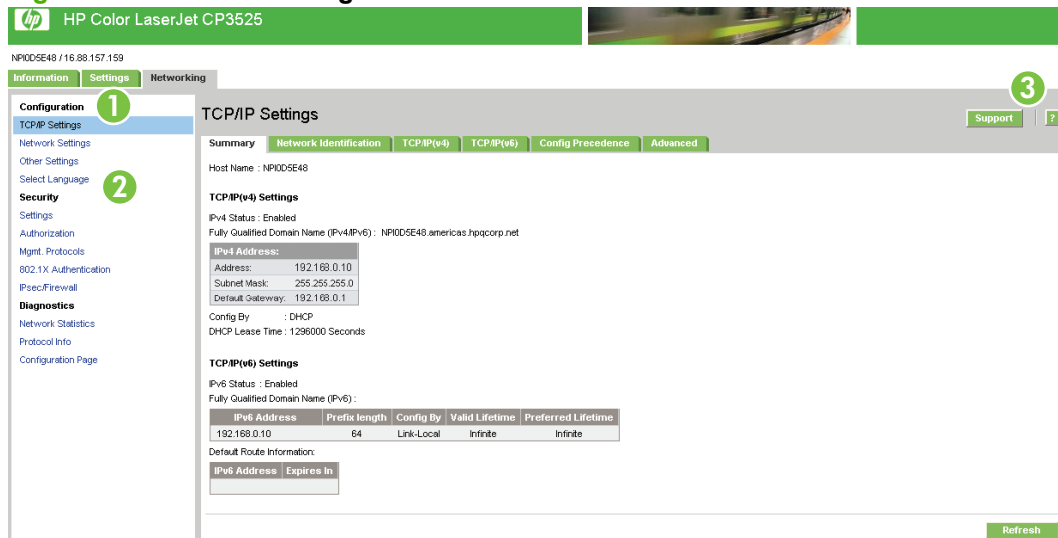


Table 4-1 Network Settings

Callout	Area on screen	Information or capability that the area provides
1	HP EWS tabs and menus	For more information, see Navigating through the HP Embedded Web Server on page 4 .
2	Select Language	Select the language for the Networking tab. The list of languages that are available in the Networking tab is <i>not</i> identical to the list of languages that are available in the Settings tab.
3	Help	Click ? for more information about the options on the Networking tab.

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

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

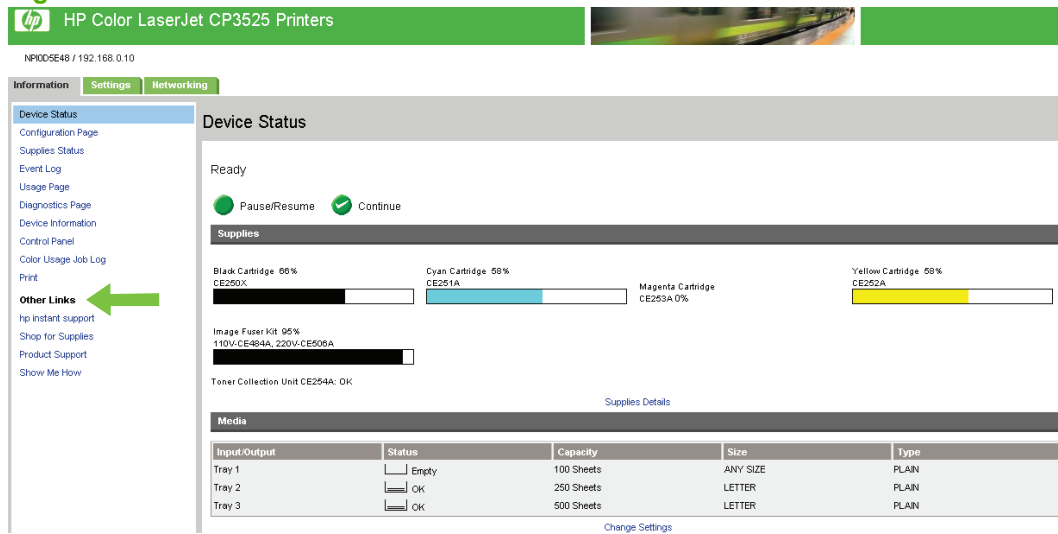
For more information about the **Networking** screens, see the following sources:

- **Help.** On each **Networking** screen, a ? in the upper-right corner of the screen provides a description of the networking features. Also, from the **Help** screen you can gain access to additional help from the HP Web site.
- **HP Jetdirect Administrator's Guide.** This guide is normally available on the software CD that came with your product and can be downloaded from the hp.com support pages for your product available on the following Web sites.

5 Using the Other Links as a resource

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

Figure 5-1 Other Links screen



NOTE: You can use the **Edit Other Links** screen on the **Settings** tab to add up to five customized links to the Web sites of your choice. These links appear throughout the EWS screens, in the **Other Links** box beneath the left navigational bar. For more information, see [Edit Other Links on page 42](#).

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

hp instant support

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

How hp instant support works

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

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

Information you can get from hp instant support

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

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

Shop for Supplies

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

Product Support

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

- Find a list of HP products at one site: computers, workstations, servers, storage devices, printer, scanners, digital imaging, and mobile devices.
- Obtain technical support. You can 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.

Show Me How

Clicking the **Show Me How** link connects to a Web page that provides step-by-step instructions for performing specific tasks. The following information is available:

- Clear jams
- Load trays
- Load special media
- Print both sides
- Supported paper
- More Help

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

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.

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