



# **X790 Series**

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## **User's Guide**

**October 2014**

**[www.lexmark.com](http://www.lexmark.com)**

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Machine type(s):

7562, 4917

Model(s):

432, 436, 486, 496, dn1, dn2, gd1, gd2, dt1, dt2, gt1, gt2, df1, df2, gf1, gf2, d01, d02, g01, g02, t01, t02, g91, g92, f01, f02, g81, g82

# Contents

<b>Safety information.....</b>	<b>7</b>
<b>Learning about the printer.....</b>	<b>9</b>
Finding information about the printer.....	9
Selecting a location for the printer.....	10
Printer configurations.....	11
Basic functions of the scanner.....	12
Understanding the ADF and scanner glass.....	12
Understanding the printer control panel.....	13
<b>Understanding the home screen.....</b>	<b>15</b>
Understanding the home screen.....	15
Using the touch-screen buttons.....	16
<b>Setting up and using the home screen applications.....</b>	<b>20</b>
Finding the IP address of the printer.....	20
Accessing the Embedded Web Server.....	20
Exporting and importing a configuration using the Embedded Web Server.....	21
Activating the home screen applications.....	22
Setting up Remote Operator Panel.....	23
<b>Additional printer setup.....</b>	<b>25</b>
Installing internal options.....	25
Order of installation.....	43
Installing optional trays.....	43
Attaching cables.....	44
Verifying printer setup.....	45
Setting up the printer software.....	46
Setting up wireless printing.....	48
<b>Minimizing your printer's environmental impact.....</b>	<b>55</b>
Saving paper and toner.....	55
Saving energy.....	56
Recycling.....	59

<b>Loading paper and specialty media.....</b>	<b>61</b>
Setting the paper size and type.....	61
Configuring Universal paper settings.....	61
Loading the standard or optional 550-sheet tray.....	61
Loading the 2000-sheet high-capacity feeder.....	64
Loading the multipurpose feeder.....	67
Linking and unlinking trays.....	69
<b>Paper and specialty media guidelines.....</b>	<b>72</b>
Paper guidelines.....	72
Supported paper sizes, types, and weights.....	75
<b>Printing.....</b>	<b>80</b>
Printing a document.....	80
Printing from a flash drive.....	81
Printing on specialty media.....	83
Printing confidential and other held jobs.....	85
Printing information pages.....	87
Canceling a print job.....	87
<b>Copying.....</b>	<b>89</b>
Making copies.....	89
Copying film photos.....	90
Copying on specialty media.....	90
Customizing copy settings.....	91
Placing information on copies.....	96
Canceling a copy job.....	96
Understanding the copy screens and options.....	97
<b>E-mailing.....</b>	<b>100</b>
Getting ready to e-mail.....	100
Creating an e-mail shortcut.....	101
E-mailing a document.....	102
Customizing e-mail settings.....	103
Canceling an e-mail.....	103
Understanding the e-mail options.....	104

<b>Faxing.....</b>	<b>107</b>
Getting the printer ready to fax.....	107
Creating shortcuts.....	113
Sending a fax.....	114
Customizing fax settings.....	115
Canceling an outgoing fax.....	117
Understanding the fax options.....	117
Holding and forwarding faxes.....	119
<b>Scanning.....</b>	<b>121</b>
Creating shortcuts.....	121
Scanning to an FTP address.....	122
Scanning to a computer or flash drive.....	123
Understanding the FTP options.....	125
<b>Understanding the printer menus.....</b>	<b>128</b>
Menus list.....	128
Supplies menu.....	129
Paper menu.....	130
Reports menu.....	141
Network/Ports menu.....	143
Security menu.....	156
Settings menu.....	161
Help menu.....	210
<b>Securing the memory before moving the printer.....</b>	<b>212</b>
Statement of Volatility.....	212
Erasing volatile memory.....	212
Erasing non-volatile memory.....	213
Erasing printer hard disk memory.....	213
Configuring printer hard disk encryption.....	214
<b>Maintaining the printer.....</b>	<b>215</b>
Cleaning the exterior of the printer.....	215
Cleaning the scanner glass.....	215
Cleaning the ADF parts.....	216
Cleaning the printhead lenses.....	218



Storing supplies.....	219
Checking the status of supplies.....	219
Ordering supplies.....	220
Replacing supplies.....	222
Moving the printer.....	226

## **Administrative support.....228**

Finding advanced networking and administrator information.....	228
Using the Embedded Web Server.....	228
Checking the virtual display.....	228
Checking the status of the printer.....	228
Setting up e-mail alerts.....	229
Viewing reports.....	229
Restoring factory default settings.....	229

## **Clearing jams.....231**

Avoiding jams.....	231
Understanding jam numbers and locations.....	231
200 paper jam.....	233
201 paper jam.....	233
202–203 paper jams.....	234
230 paper jam.....	235
231–239 paper jams.....	236
24x paper jam.....	236
250 paper jam.....	237
280–289 paper jams.....	238
290–292 paper jams.....	239
400–403 and 460–461 paper jams.....	239
431–438 paper jams.....	240
455 staple jam.....	240

## **Troubleshooting.....243**


Solving basic printer problems.....	243
Understanding the printer messages.....	243
Solving printing problems.....	260
Solving copy problems.....	263
Solving scanner problems.....	266

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Solving fax problems.....	268
Solving home screen application problems.....	272
Solving option problems.....	273
Solving paper feed problems.....	276
Solving print quality problems.....	277
Solving color quality problems.....	289
Embedded Web Server does not open.....	292
Contacting customer support.....	292
<b>Notices.....</b>	<b>293</b>
Product information.....	293
Edition notice.....	293
Power consumption.....	298
<b>Index.....</b>	<b>310</b>

## Safety information


Connect the power cord directly to an appropriately rated and properly grounded electrical outlet that is near the product and easily accessible.


 **CAUTION—POTENTIAL INJURY:** Do not use this product with extension cords, multioutlet power strips, multioutlet extenders, or other types of surge or UPS devices. The power rating capacity of these types of accessories can be easily overloaded by a laser printer and may result in poor printer performance, property damage, or potential fire.


Do not place or use this product near water or wet locations.


 **CAUTION—POTENTIAL INJURY:** This product uses a laser. Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

This product uses a printing process that heats the print media, and the heat may cause the media to release emissions. You must understand the section in your operating instructions that discusses the guidelines for selecting print media to avoid the possibility of harmful emissions.

 **CAUTION—POTENTIAL INJURY:** The lithium battery in this product is not intended to be replaced. There is a danger of explosion if a lithium battery is incorrectly replaced. Do not recharge, disassemble, or incinerate a lithium battery. Discard used lithium batteries according to the manufacturer's instructions and local regulations.

 **CAUTION—HOT SURFACE:** The inside of the printer might be hot. To reduce the risk of injury from a hot component, allow the surface to cool before touching.


 **CAUTION—POTENTIAL INJURY:** The printer weight is greater than 18 kg (40 lb) and requires two or more trained personnel to lift it safely.


 **CAUTION—POTENTIAL INJURY:** Before moving the printer, follow these guidelines to avoid personal injury or printer damage:

- Turn the printer off using the power switch, and then unplug the power cord from the wall outlet.
- Disconnect all cords and cables from the printer before moving it.
- Lift the printer off the optional drawer, and set it aside instead of trying to lift the drawer and printer at the same time.


**Note:** Use the handholds located on both sides of the printer to lift it off the optional drawer.

Use only the power cord provided with this product or the manufacturer's authorized replacement.


 **CAUTION—POTENTIAL INJURY:** To reduce risk of fire, use only the telecommunications (RJ-11) cord provided with this product or a UL Listed 26 AWG or larger replacement when connecting this product to the public switched telephone network.

 **CAUTION—SHOCK HAZARD:** If you are accessing the system board or installing optional hardware or memory devices sometime after setting up the printer, then turn the printer off, and unplug the power cord from the wall outlet before continuing. If you have any other devices attached to the printer, then turn them off as well, and unplug any cables going into the printer.


Do not use the telephone to report a gas leak in the vicinity of the leak.


 **CAUTION—SHOCK HAZARD:** Make sure that all external connections (such as Ethernet and telephone system connections) are properly installed in their marked plug-in ports.


This product is designed, tested, and approved to meet strict global safety standards with the use of specific manufacturer's components. The safety features of some parts may not always be obvious. The manufacturer is not responsible for the use of other replacement parts.


 **CAUTION—POTENTIAL INJURY:** Do not cut, twist, bind, crush, or place heavy objects on the power cord. Do not subject the power cord to abrasion or stress. Do not pinch the power cord between objects such as furniture and walls. If any of these things happen, a risk of fire or electrical shock results. Inspect the power cord regularly for signs of such problems. Remove the power cord from the electrical outlet before inspecting it.

Refer service or repairs, other than those described in the user documentation, to a professional service person.

 **CAUTION—SHOCK HAZARD:** To avoid the risk of electric shock when cleaning the exterior of the printer, unplug the power cord from the wall outlet and disconnect all cables from the printer before proceeding.

 **CAUTION—SHOCK HAZARD:** Do not use the fax feature during a lightning storm. Do not set up this product or make any electrical or cabling connections, such as the fax feature, power cord, or telephone, during a lightning storm.


 **CAUTION—TIPPING HAZARD:** Floor-mounted configurations require additional furniture for stability. You must use either a printer stand or printer base if you are using a high-capacity input tray, a duplex unit and an input option, or more than one input option. If you purchased a multifunction printer (MFP) that scans, copies, and faxes, you may need additional furniture. For more information, see [www.lexmark.com/multifunctionprinters](http://www.lexmark.com/multifunctionprinters).

 **CAUTION—POTENTIAL INJURY:** To reduce the risk of equipment instability, load each paper drawer or tray separately. Keep all other drawers or trays closed until needed.

**SAVE THESE INSTRUCTIONS.**


# Learning about the printer

## Finding information about the printer

What are you looking for?	Find it here
Initial setup instructions: <ul style="list-style-type: none"> <li>• Connecting the printer</li> <li>• Installing the printer software</li> </ul>	Setup documentation—The setup documentation came with the printer and is also available at <a href="http://support.lexmark.com">http://support.lexmark.com</a> .
Additional setup and instructions for using the printer: <ul style="list-style-type: none"> <li>• Selecting and storing paper and specialty media</li> <li>• Loading paper</li> <li>• Configuring printer settings</li> <li>• Viewing and printing documents and photos</li> <li>• Setting up and using the printer software</li> <li>• Configuring the printer on a network</li> <li>• Caring for and maintaining the printer</li> <li>• Troubleshooting and solving problems</li> </ul>	<i>User's Guide</i> and <i>Quick Reference Guide</i> —The guides are available at <a href="http://support.lexmark.com">http://support.lexmark.com</a> . <b>Note:</b> These guides are also available in other languages.
Information on setting up and configuring the accessibility features of your printer	<i>Lexmark Accessibility Guide</i> —This guide is available at <a href="http://support.lexmark.com">http://support.lexmark.com</a> .
Help using the printer software	Windows or Mac Help—Open a printer software program or application, and then click <b>Help</b> .  Click  to view context-sensitive information. <b>Notes:</b> <ul style="list-style-type: none"> <li>• Help is automatically installed with the printer software.</li> <li>• The printer software is located in the printer program folder or on the desktop, depending on your operating system.</li> </ul>

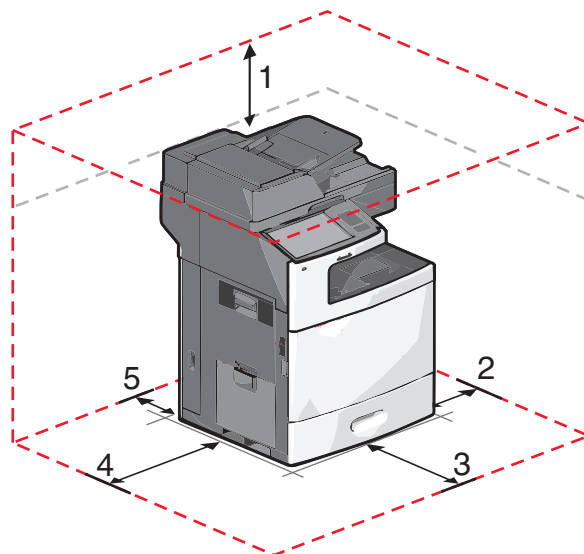
What are you looking for?	Find it here
<p>The latest supplemental information, updates, and customer support:</p> <ul style="list-style-type: none"> <li>• Documentation</li> <li>• Driver downloads</li> <li>• Live chat support</li> <li>• E-mail support</li> <li>• Voice support</li> </ul>	<p>Lexmark support Web site—  <a href="http://support.lexmark.com">http://support.lexmark.com</a></p> <p><b>Note:</b> Select your country or region, and then select your product to view the appropriate support site.</p> <p>Support telephone numbers and hours of operation for your country or region can be found on the support Web site or on the printed warranty that came with your printer.</p> <p>Record the following information (located on the store receipt and at the back of the printer), and have it ready when you contact customer support so that they may serve you faster:</p> <ul style="list-style-type: none"> <li>• Machine Type number</li> <li>• Serial number</li> <li>• Date purchased</li> <li>• Store where purchased</li> </ul>
Warranty information	<p>Warranty information varies by country or region:</p> <ul style="list-style-type: none"> <li>• <b>In the U.S.</b>—See the Statement of Limited Warranty included with this printer, or go to <a href="http://support.lexmark.com">http://support.lexmark.com</a>.</li> <li>• <b>In other countries and regions</b>—See the printed warranty that came with this printer.</li> </ul>

## Selecting a location for the printer

 **CAUTION—POTENTIAL INJURY:** The printer weight is greater than 18 kg (40 lb) and requires two or more trained personnel to lift it safely.

When selecting a location for the printer, leave enough room to open trays, covers, and doors. If you plan to install any options, leave enough room for them, too. It is important to:

- Make sure airflow in the room meets the latest revision of the ASHRAE 62 standard or the CEN Technical Committee 156 standard.
- Provide a flat, sturdy, and stable surface.
- Keep the printer:
  - Away from the direct airflow of air conditioners, heaters, or ventilators
  - Free from direct sunlight, humidity extremes, or temperature fluctuations
  - Clean, dry, and free of dust
- Allow the following recommended amount of space around the printer for proper ventilation:

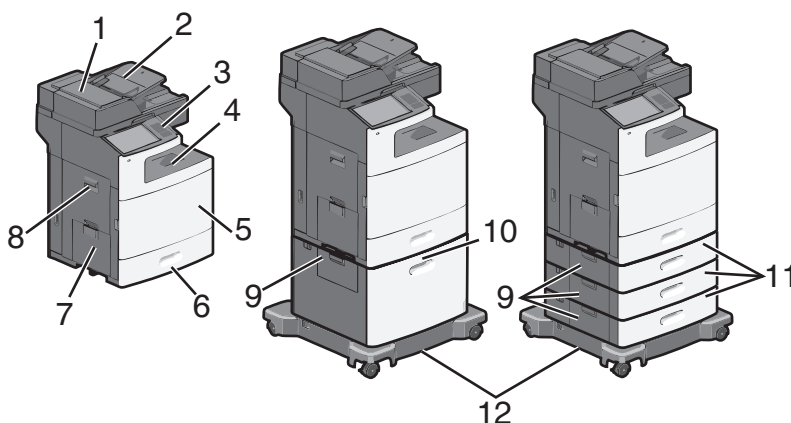


1	458 mm (18 in.)
2	100 mm (3.9 in.)
3	380 mm (14.9 in.)
4	432 mm (17 in.)
5	150 mm (5.9 in.)

## Printer configurations

**CAUTION—TIPPING HAZARD:** Floor-mounted configurations require additional furniture for stability. You must use either a printer stand or printer base if you are using a high-capacity input tray, a duplex unit and an input option, or more than one input option. If you purchased a multifunction printer (MFP) that scans, copies, and faxes, you may need additional furniture. For more information, see [www.lexmark.com/multifunctionprinters](http://www.lexmark.com/multifunctionprinters).

You can configure your basic printer by adding optional trays.



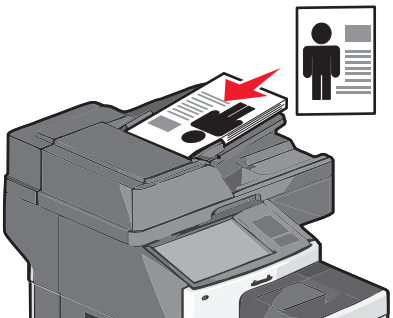
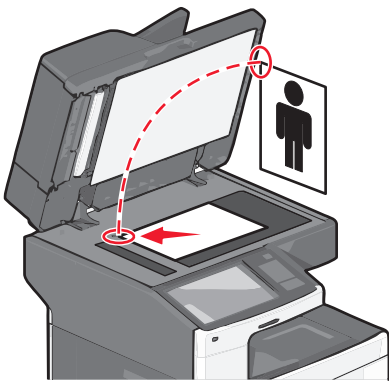
1	Automatic Document Feeder (ADF)
2	ADF input tray
3	Printer control panel
4	Standard exit bin
5	Front door
6	Standard 550-sheet trays (Tray 1)
7	Multipurpose feeder
8	Side door
9	Jam access doors
10	Optional 2,000-sheet high-capacity feeder
11	Optional 550-sheet trays
12	Caster base

## Basic functions of the scanner

The scanner provides copy, fax, and scan-to-network capability for large workgroups. You can:

- Make quick copies, or change the settings on the printer control panel to perform specific copy jobs.
- Send a fax using the printer control panel.
- Send a fax to multiple fax destinations at the same time.
- Scan documents and send them to your computer, an e-mail address, a flash drive, or an FTP destination.
- Scan documents and send them to another printer (PDF by way of FTP).

## Understanding the ADF and scanner glass

Automatic Document Feeder (ADF)	Scanner glass
 <p>Use the ADF for multiple pages, including duplex pages.</p>	 <p>Use the scanner glass for single pages or book pages, small items (such as postcards or photos), transparencies, photo paper, or thin media (such as magazine clippings or lightweight carbonless forms).</p>



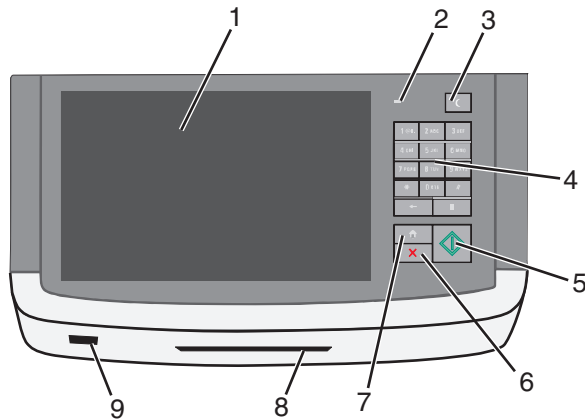
Using the ADF

- Load the document into the ADF faceup, short edge first.
- Load up to 75 sheets of plain paper in the ADF input tray.
- Scan sizes from 76 x 139 mm (3.0 x 5.5 in.) to 215 x 355 mm (8.5 x 14 in.).
- Scan documents with mixed page sizes (letter and legal).
- Scan media weights from 52 to 120 g/m<sup>2</sup> (14 to 32 lb).
- Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF. Place these items on the scanner glass.

Using the scanner glass

- Place a document facedown on the scanner glass in the upper left corner.
- Scan or copy documents up to 215 x 355 mm (8.5 x 14 in.).
- Copy books up to 25 mm (1 in.) thick.

Understanding the printer control panel



Item		Description
1	Display	Lets you view scanning, copying, faxing, and printing options as well as status and error messages
2	Indicator light	<ul style="list-style-type: none"><li>• <b>Off</b>—The power is off.</li><li>• <b>Blinking green</b>—The printer is warming up, processing data, or printing.</li><li>• <b>Solid green</b>—The printer is on, but idle.</li><li>• <b>Blinking red</b>—Operator intervention is needed.</li></ul>

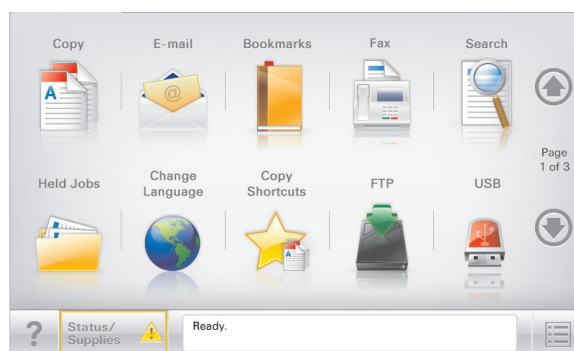
Item		Description
3	Sleep	<p>Activates Sleep Mode or Hibernate Mode</p> <p>The following are the statuses of the indicator light and the Sleep button:</p> <ul style="list-style-type: none"><li>• Entering or waking from Sleep Mode—The indicator light is illuminated solid green, Sleep button is unilluminated.</li><li>• Operating in Sleep Mode—The indicator light is illuminated solid green, Sleep button is illuminated solid amber.</li><li>• Entering or waking from Hibernate Mode—The indicator light is illuminated solid green, Sleep button is illuminated blinking amber.</li><li>• Operating in Hibernate Mode—The indicator light is unilluminated, Sleep button is blinking amber in pulsing pattern.</li></ul>
4	Keypad	Lets you enter numbers, letters, or symbols on the display
5	Submit	Lets you submit changes made in the printer settings
6	Stop/Cancel	<p>Stops all printer activity</p> <p><b>Note:</b> A list of option is displayed once <b>Stopped</b> appears on the display.</p>
7	Home	Lets you navigate back to the home screen
8	Card reader	<p>Limits the use of certain printer functions to authenticated users</p> <p><b>Note:</b> The card reader may not be available on all printer models.</p>
9	USB port	Lets you insert a USB flash drive to send data or to save scanned images


# Understanding the home screen

## Understanding the home screen

When the printer is turned on, the display shows a basic screen, referred to as the home screen. Touch the home screen buttons and icons to initiate an action such as copying, faxing, or scanning; to open the menu screen; or to respond to messages.

**Note:** Your home screen, icons, and buttons may vary depending on your home screen customization settings, administrative setup, and active embedded solutions.



Touch	To
Copy	Access the Copy menus and make copies.
E-mail	Access the E-mail menus and send e-mails.
Fax	Access the Fax menus and send fax.
	Access the printer menus. <b>Note:</b> These menus are available only when the printer is in the <b>Ready</b> state.
FTP	Access the File Transfer Protocol (FTP) menus and scan documents directly to an FTP server.
Status message bar	<ul style="list-style-type: none"> <li>• Show the current printer status such as <b>Ready</b> or <b>Busy</b>.</li> <li>• Show printer conditions such as <b>Toner Low</b> or <b>Cartridge Low</b>.</li> <li>• Show intervention messages so the printer can continue processing.</li> </ul>
Status/Supplies	<ul style="list-style-type: none"> <li>• Display a warning or error message whenever the printer requires intervention to continue processing.</li> <li>• Access the messages screen for more information on the message, and how to clear it.</li> </ul>
USB or USB Thumbdrive	View, select, print, scan, or e-mail photos and documents from a flash drive. <b>Note:</b> This button appears only when you return to the home screen while a memory card or flash drive is connected to the printer.
Bookmarks	Create, organize, and save a set of bookmarks (URL) into a tree view of folders and file links. <b>Note:</b> The tree view supports only bookmarks created from this function, and not from any other application.
Held Jobs	Display all current held jobs.

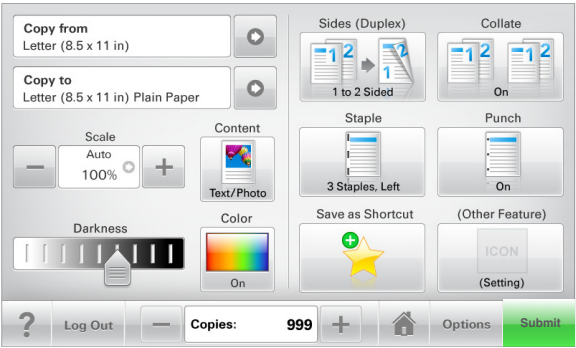
Other buttons that may appear on the home screen:







Touch	To
Search held jobs	<p>Search on any of the following items:</p> <ul style="list-style-type: none"> <li>• User name for held or confidential print jobs</li> <li>• Job names for held jobs, excluding confidential print jobs</li> <li>• Profile names</li> <li>• Bookmark container or print job names</li> <li>• USB container or print job names for supported file types</li> </ul>
Release Held Fax	<p>Access the list of held faxes.</p> <p><b>Note:</b> This button appears only when there are held faxes with a scheduled hold time previously set.</p>
Lock Device	<p>Open a password entry screen. Enter the correct password to lock the printer control panel.</p> <p><b>Note:</b> This button appears only when the printer is unlocked and password has been set.</p>
Unlock Device	<p>Open a password entry screen. Enter the correct password to unlock the printer control panel.</p> <p><b>Note:</b> This button appears only when the printer is locked. The printer control panel buttons and shortcuts cannot be used while this appears.</p>
Cancel Jobs	<p>Open the Cancel Jobs screen. The Cancel Jobs screen shows three headings: Print, Fax, and Network.</p> <p>The following options are available under the Print, Fax, and Network headings:</p> <ul style="list-style-type: none"> <li>• Print job</li> <li>• Copy job</li> <li>• Fax profile</li> <li>• FTP</li> <li>• E-mail send</li> </ul> <p>Each heading has a list of jobs shown in a column under it which can show only three jobs per screen. If more than three jobs exist in a column, then an arrow appears enabling you to scroll through the jobs.</p>
Change Language	<p>Launch the Change Language pop-up window that allows you to change the primary language of the printer.</p>


## Using the touch-screen buttons

**Note:** Your home screen, icons, and buttons may vary depending on your home screen customization settings and administrative setup.





# Sample touch screen




Touch	To
Submit	Submit changes made in the printer settings.
Sample Copy	Print a sample copy.
Right arrow 	Scroll to the right.
Left arrow 	Scroll to the left.
Home 	Return to the home screen.
Right increase 	Select a higher value.
Left decrease 	Select a lower value.
Exit 	Exit from the current screen.


Touch	To
Tips 	Open a context-sensitive Help dialog on the touch screen.

## Other touch-screen buttons

Touch	To
Accept 	Save a setting.
Cancel 	<ul style="list-style-type: none"> <li>• Cancel an action or a selection.</li> <li>• Exit a screen and lets you return to the previous screen without saving changes.</li> </ul>
Reset 	Reset values on the screen.
Radio button 	Select or clear an item.

## Features

Feature	Description
Menu trail line: <u>Menus</u> > <u>Settings</u> > <u>Copy Settings</u> > Number of Copies	<p>A menu trail line is located at the top of each menu screen. This feature shows the path taken to arrive at the current menu.</p> <p>Touch any of the underlined words to return to that menu.</p> <p>Number of Copies is not underlined since this is the current screen. If you touch an underlined word on the Number of Copies screen before the Number of Copies is set and saved, then the selection is not saved, and it does not become the default setting.</p>
Attendance message alert 	If an attendance message affects a function, then this icon appears and the red indicator light blinks.

Feature	Description
<p data-bbox="147 275 245 306">Warning</p> 	<p data-bbox="578 275 1133 306">If an error condition occurs, then this icon appears.</p>

# Setting up and using the home screen applications

## Notes:

- Your home screen, icons, and buttons may vary depending on your home screen customization settings, administrative setup, and active embedded applications. Some applications are supported only in some printer models.
- There may be additional solutions and applications available for purchase. For more information, go to [www.lexmark.com](http://www.lexmark.com) or, contact the place where you purchased the printer.

## Finding the IP address of the printer

**Note:** Make sure your printer is connected to a network or to a print server.

You can find the printer IP address:

- From the top left corner of the printer home screen.
- From the TCP/IP section in the Network/Ports menu.
- By printing a network setup page or menu settings page, and then finding the TCP/IP section.

**Note:** An IP address appears as four sets of numbers separated by periods, such as 123.123.123.123.

## Accessing the Embedded Web Server

The Embedded Web Server is the printer Web page that lets you view and remotely configure printer settings even when you are not physically near the printer.

### 1 Obtain the printer IP address:

- From the printer control panel home screen
- From the TCP/IP section in the Network/Ports menu
- By printing a network setup page or menu settings page, and then finding the TCP/IP section

**Note:** An IP address appears as four sets of numbers separated by periods, such as 123 . 123 . 123 . 123.

### 2 Open a Web browser, and then type the printer IP address in the address field.

### 3 Press **Enter**.

**Note:** If you are using a proxy server, then temporarily disable it to load the Web page correctly.

## Showing or hiding icons on the home screen

### 1 From the Embedded Web Server, click **Settings > General Settings > Home screen customization**.

A list of basic printer functions appears.

### 2 Select the check boxes to specify which icons appear on the printer home screen.

Cleared check box items are hidden.

### 3 Click **Submit**.



## Exporting and importing a configuration using the Embedded Web Server

You can export configuration settings into a text file that can then be imported and used to apply the settings to one or more additional printers.

### Exporting a configuration

- 1 From the Embedded Web Server, click **Settings** or **Configuration**.
- 2 Click **Device Solutions > Solutions (eSF)**, or click **Embedded Solutions**.
- 3 From Installed Solutions, click the name of the application you want to configure.
- 4 Click **Configure > Export**.
- 5 Follow the instructions on the computer screen to save the configuration file, and then enter a unique file name or use the default name.

**Note:** If a **JVM Out of Memory** error occurs, then repeat the export until the configuration file is saved.

### Importing a configuration

- 1 From the Embedded Web Server, click **Settings** or **Configuration**.
- 2 Click **Device Solutions > Solutions (eSF)**, or click **Embedded Solutions**.
- 3 From Installed Solutions, click the name of the application you want to configure.
- 4 Click **Configure > Import**.
- 5 Browse to the saved configuration file, and then load or preview it.


**Note:** If a timeout occurs and a blank screen appears, then refresh the browser, and then click **Apply**.

## Activating the home screen applications

Your printer comes with preinstalled home screen applications. You can activate and set up these applications using the Embedded Web Server. To access the Embedded Web Server, see [“Accessing the Embedded Web Server” on page 20](#).

For detailed information about configuring and using the home screen applications, go to the Lexmark support Web site at <http://support.lexmark.com>.

## Setting up Forms and Favorites

Icon	Description
	<p>The application helps you simplify and streamline work processes by letting you quickly find and print frequently used online forms directly from the home screen.</p> <p><b>Note:</b> The printer must have permission to access the network folder, FTP site, or Web site where the bookmark is stored. From the computer where the bookmark is stored, use sharing, security, and firewall settings to allow the printer at least a <i>read</i> access. For help, see the documentation that came with your operating system.</p>


- 1 Open a Web browser, and then type the printer IP address in the address field.

**Note:** View the printer IP address on the printer control panel home screen. The IP address appears as four sets of numbers separated by periods, such as 123.123.123.123.

- 2 Click **Settings > Device Solutions > Solutions (eSF) > Forms and Favorites**.
- 3 Define the bookmarks, and then customize the settings.
- 4 Click **Apply**.

To use the application, touch **Forms and Favorites** on the printer home screen, and then navigate through form categories, or search for forms based on a form number, name, or description.

## Setting up Scan to Network

Icon	Description
	<p>The application lets you capture a digital image of a hard-copy document and route it to a shared network folder. You can define up to 30 unique folder destinations.</p> <p><b>Notes:</b></p> <ul style="list-style-type: none"> <li>• The printer must have permission to write to the destinations. From the computer where the destination is specified, use sharing, security, and firewall settings to allow the printer at least a <i>write</i> access. For help, see the documentation that came with your operating system.</li> <li>• The Scan to Network icon appears only when one or more destinations are defined.</li> </ul>

- 1 Open a Web browser, and then type the printer IP address in the address field.

**Note:** View the printer IP address on the printer control panel home screen. The IP address appears as four sets of numbers separated by periods, such as 123.123.123.123.


- 2 Click **Settings > Device Solutions > Solutions (eSF) > Scan to Network**.

3 Specify the destinations, and then customize the settings.

4 Click **Apply**.

To use the application, touch **Scan to Network** on the printer home screen, and then follow the instructions on the printer display.


## Setting up My MFP

Icon	Description
	<p>The application lets you customize your touch-screen settings and store those preferences in a flash drive. Each time you want to copy, fax, or scan, insert the flash drive into the USB port of the printer. All your personal preferences are automatically uploaded, including job settings, home screen preferences, and address book.</p> <p><b>Note:</b> The icon appears only when a flash drive with My MFP settings is inserted into the USB port of the printer.</p>

To set up My MFP, insert a flash drive into the USB port of the printer, and then follow the instructions on the printer display to run the setup wizard.

To use My MFP, insert the flash drive into the USB port of the printer when you want to copy, fax, or scan.

## Understanding WS-Scan

Icon	Description
	<p>The Web Services-Scan application lets you scan documents at the network printer, and then send the scanned image to your computer. WS-Scan is a Microsoft application that is similar to Scan to Network, but has the capability of sending the scanned image to a Windows-based application. To learn more about WS-Scan, see the Microsoft documentation.</p> <p><b>Note:</b> The icon appears on the printer home screen only when there is a computer registered with the network printer. The computer must have either Windows 8, Windows 7, or Windows Vista operating system installed.</p>

## Setting up Remote Operator Panel

This application shows the printer control panel on your computer screen and lets you interact with the printer control panel, even when you are not physically near the network printer. From your computer screen, you can view the printer status, release held print jobs, create bookmarks, and do other print-related tasks you might normally do while standing at the network printer.

1 Open a Web browser, and then type the printer IP address in the address field.

**Note:** View the printer IP address on the printer control panel home screen. The IP address appears as four sets of numbers separated by periods, such as 123.123.123.123.

2 Click **Settings > Device Solutions > Solutions (eSF) > Remote Operator Panel**.

**3** Select the **Enabled** check box, and then customize the settings.

**4** Click **Apply**.

To use the application, from the Embedded Web Server, click **Applications > Remote Operator Panel > Launch VNC Applet**.

# Additional printer setup

## Installing internal options



**CAUTION—SHOCK HAZARD:** If you are accessing the system board or installing optional hardware or memory devices sometime after setting up the printer, then turn the printer off, and unplug the power cord from the wall outlet before continuing. If you have any other devices attached to the printer, then turn them off as well, and unplug any cables going into the printer.

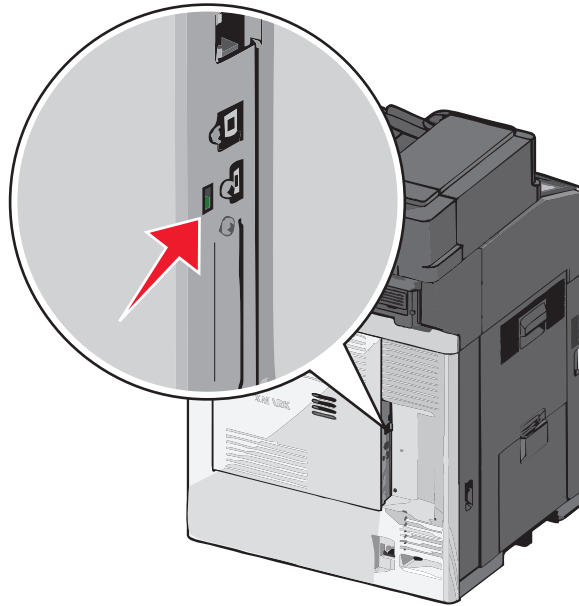
You can customize your printer connectivity and memory capacity by adding optional cards.

## Available internal options

- Memory cards
  - Printer memory
  - Flash memory
  - Fonts
- Firmware cards
  - Bar Code
  - PrintCryption™
- Lexmark™ Internal Solutions Ports (ISP)
  - RS-232-C Serial ISP
  - Parallel 1284-B ISP
  - MarkNet™ N8250 802.11 b/g/n Wireless ISP
  - MarkNet N8130 10/100 Fiber ISP
  - MarkNet N8120 10/100/1000 Ethernet ISP

## Using the security lock feature

The printer is equipped with a security lock feature. When a lock compatible with most laptop computers is attached, the printer is locked. Once locked, the metal plate and the system board cannot be removed. Attach a security lock to the printer in the location shown.



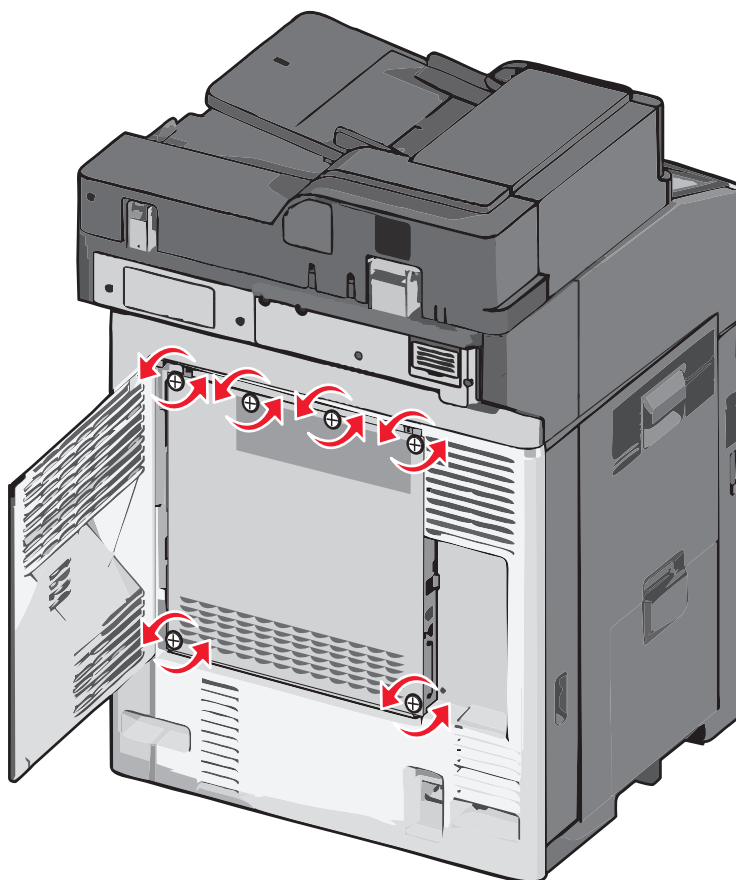
## Accessing the system board



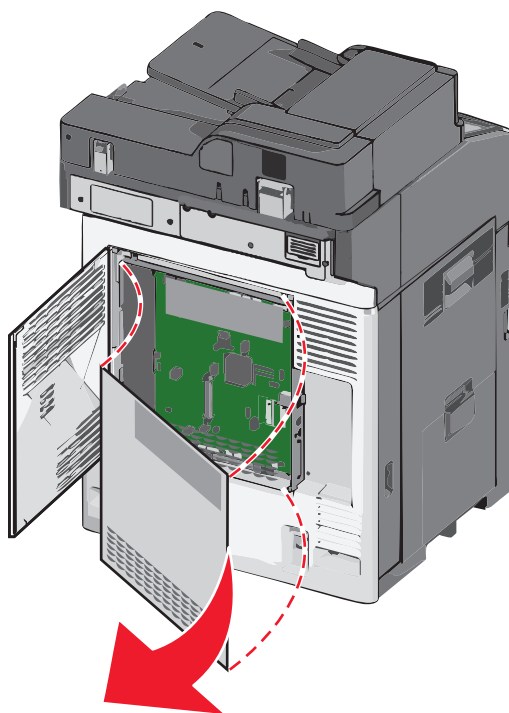
**CAUTION—SHOCK HAZARD:** If you are accessing the system board or installing optional hardware or memory devices sometime after setting up the printer, then turn the printer off, and unplug the power cord from the wall outlet before continuing. If you have any other devices attached to the printer, then turn them off as well, and unplug any cables going into the printer.

**Note:** This task requires a flathead screwdriver.

- 1 Open the cover.
- 2 Remove the metal panel.
  - a Turn the screws on the panel counterclockwise to remove them.

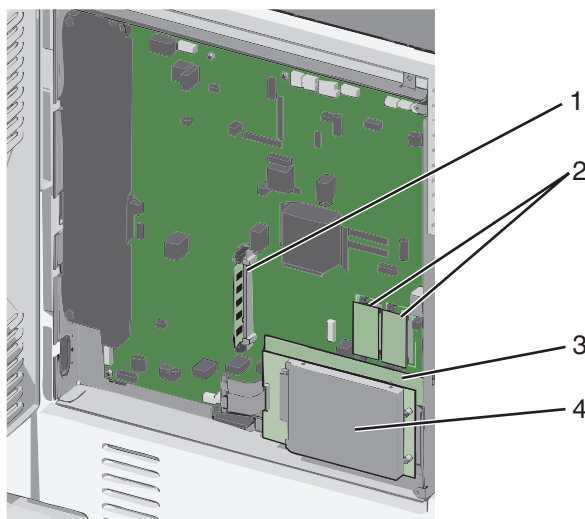


- b** Shift the metal panel to the left to disengage the hooks, then pull forward to remove it.



- 3** Use the following illustration to locate the appropriate connectors.

**Warning—Potential Damage:** System board electronic components are easily damaged by static electricity. Touch something metal on the printer before touching any system board electronic components or connectors.



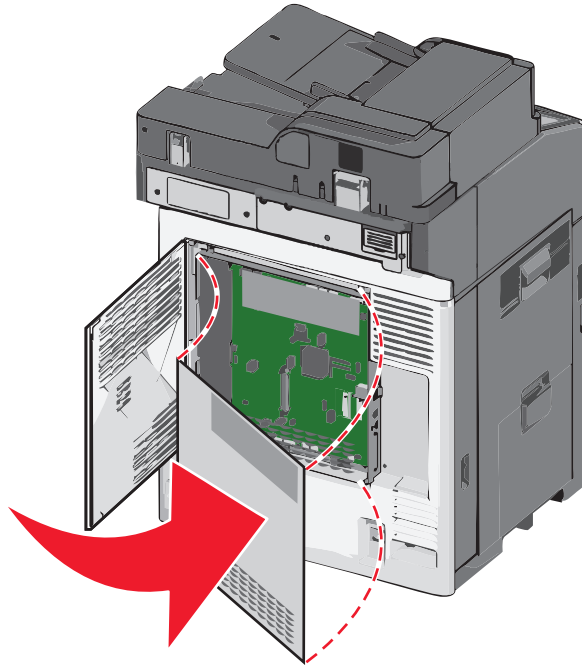
1	Memory card connector
2	Firmware and flash memory card connectors
3	Internal print server connector
4	Hard disk connector

- 4** Reattach the system board cover.

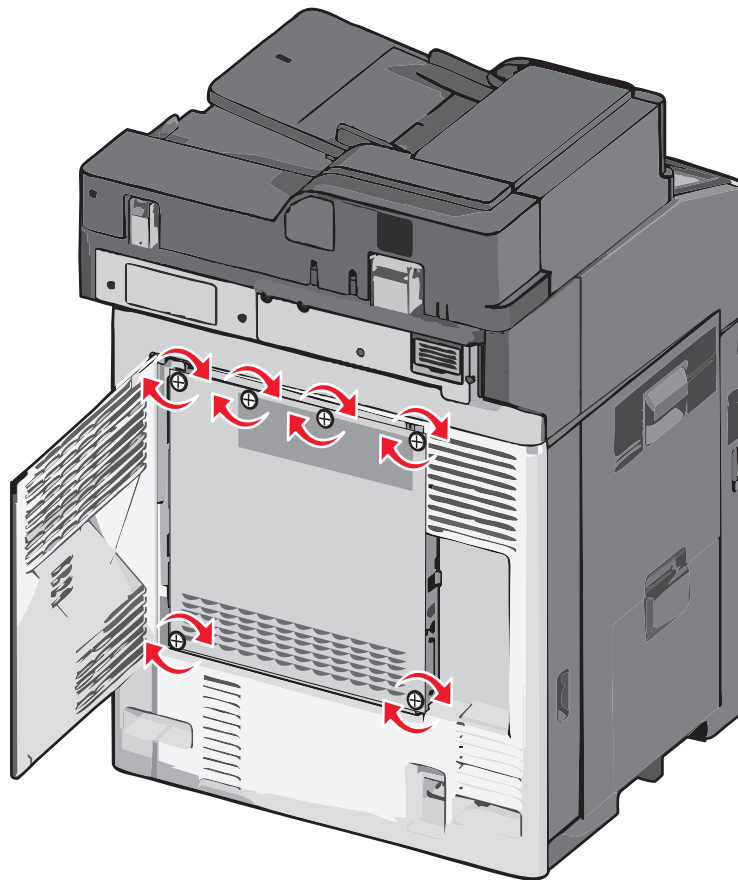


**Warning—Potential Damage:** System board electronic components are easily damaged by static electricity. Touch something metal on the printer before touching any system board electronic components or connectors.

- a** Reinstall the hooks on the left side of the metal panel into the slots on the system board cage, and then shift to the right.



- b** Align and then turn each screw clockwise to tighten.



- c** Close the cover.

## Installing a memory card



**CAUTION—SHOCK HAZARD:** If you are accessing the system board or installing optional hardware or memory devices sometime after setting up the printer, then turn the printer off, and unplug the power cord from the wall outlet before continuing. If you have any other devices attached to the printer, then turn them off as well, and unplug any cables going into the printer.

**Warning—Potential Damage:** System board electronic components are easily damaged by static electricity. Touch something metal on the printer before touching any system board electronic components or connectors.

An optional memory card can be purchased separately and attached to the system board.

- 1** Access the system board.

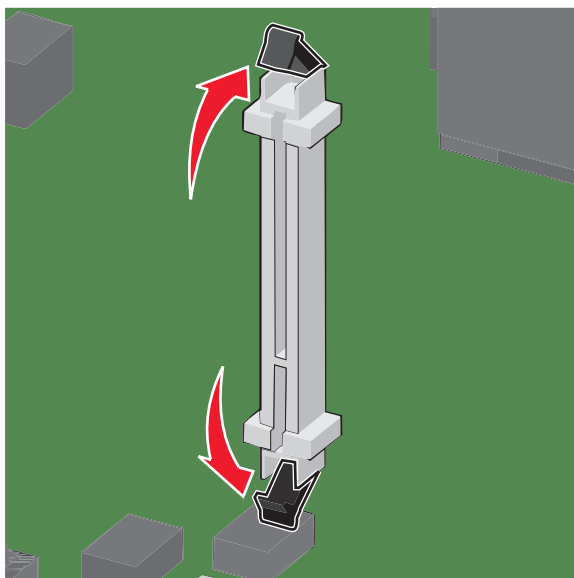
For more information, see [“Accessing the system board” on page 26](#).

**Note:** This task requires a flathead screwdriver.

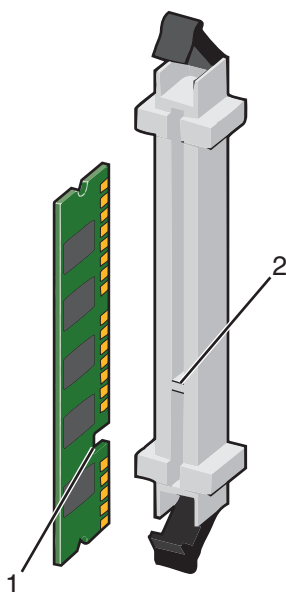
- 2** Unpack the memory card.

**Note:** Avoid touching the connection points along the edge of the card.

- 3** On the system board, open the memory card connector latches.

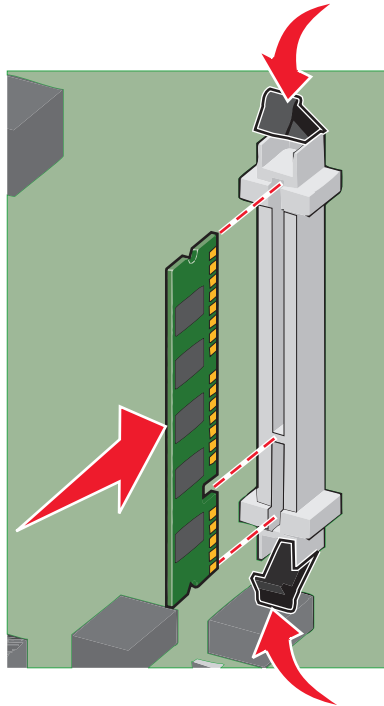


- 4** Align the notches on the memory card to the ridges on the connector.



1	Notch
2	Ridge

- 5 Push the memory card straight into the connector until it *clicks* into place.



- 6 Reattach the system board cover.

## Installing a flash memory or firmware card

The system board has two connections for an optional flash memory or firmware card. Only one of each may be installed, but the connectors are interchangeable.



**CAUTION—SHOCK HAZARD:** If you are accessing the system board or installing optional hardware or memory devices sometime after setting up the printer, then turn the printer off, and unplug the power cord from the wall outlet before continuing. If you have any other devices attached to the printer, then turn them off as well, and unplug any cables going into the printer.

**Warning—Potential Damage:** System board electronic components are easily damaged by static electricity. Touch something metal on the printer before touching any system board electronic components or connectors.

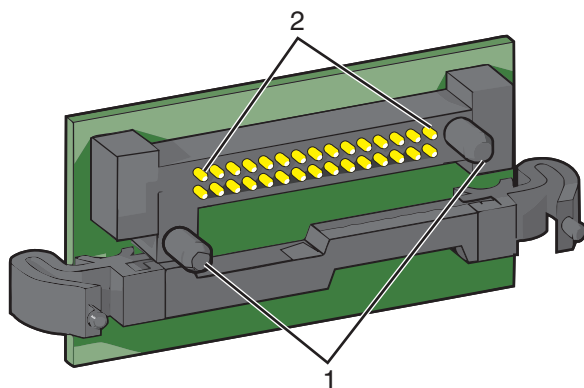
- 1 Access the system board.

**Note:** This task requires a flathead screwdriver.

- 2 Unpack the card.

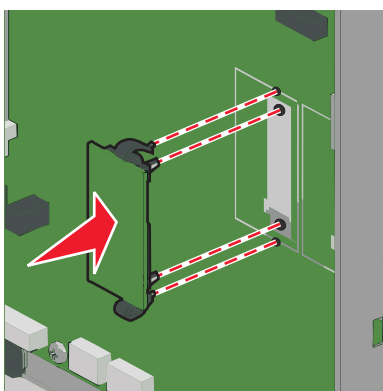
**Note:** Avoid touching the connection points along the edge of the card.

- 3 Holding the card by its sides, align the plastic pins on the card with the holes on the system board.



1	Plastic pins
2	Metal pins

- 4 Push the card firmly into place.



**Notes:**


- The entire length of the connector on the card must touch and be flush against the system board.
- Be careful not to damage the connectors.

- 5 Reattach the system board cover.

## Installing an Internal Solutions Port

The system board supports one optional Lexmark Internal Solutions Port (ISP).

**Note:** This task requires a flathead screwdriver.

 **CAUTION—SHOCK HAZARD:** If you are accessing the system board or installing optional hardware or memory devices sometime after setting up the printer, then turn the printer off, and unplug the power cord from the wall outlet before continuing. If you have any other devices attached to the printer, then turn them off as well, and unplug any cables going into the printer.

**Warning—Potential Damage:** System board electronic components are easily damaged by static electricity. Touch something metal on the printer before touching any system board electronic components or connectors.

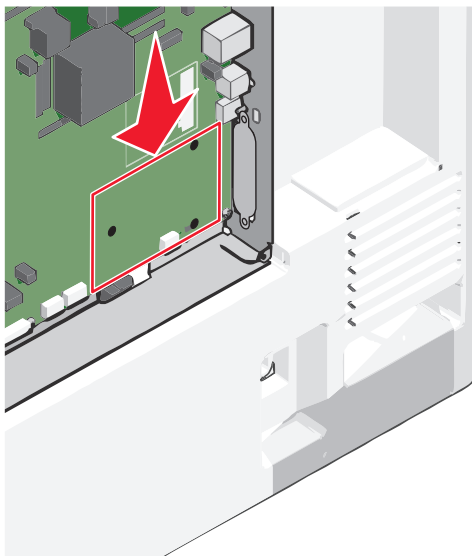
- 1 Access the system board.

For more information, see [“Accessing the system board” on page 26](#).

- 2 Unpack the ISP and plastic tee.

**Note:** Avoid touching the components on the card.

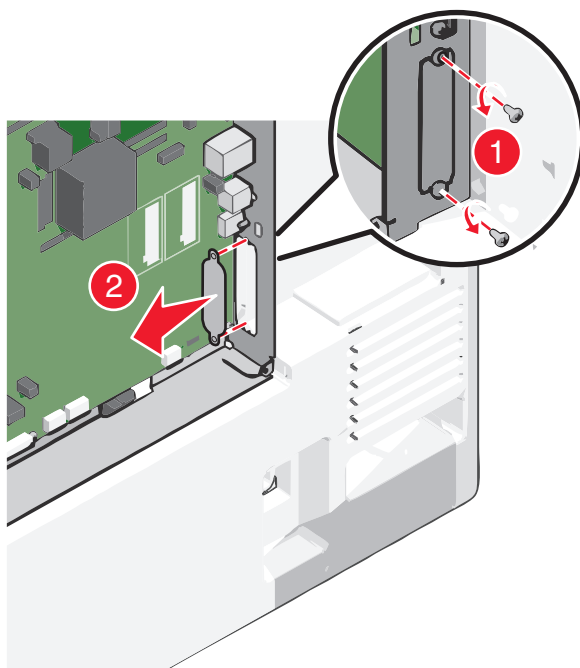
- 3 Locate the appropriate connector on the system board.



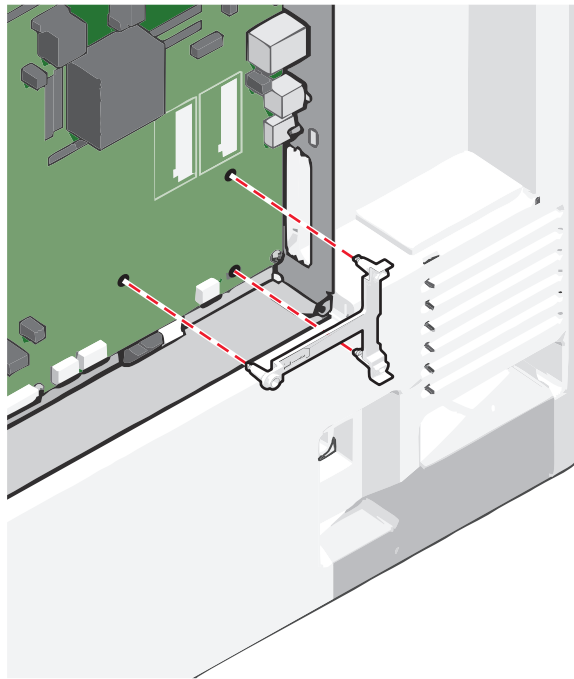
- 4 Remove the printer hard disk.

For more information, see [“Removing a printer hard disk” on page 41](#).

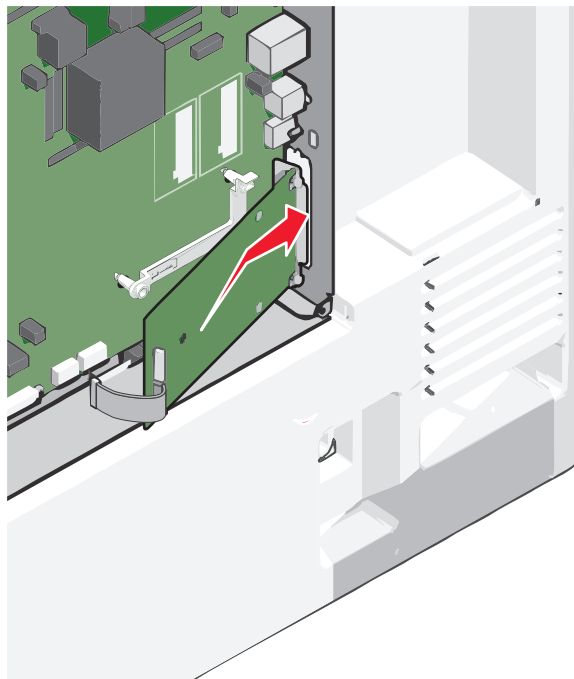
- 5 Remove the metal cover from the ISP opening.



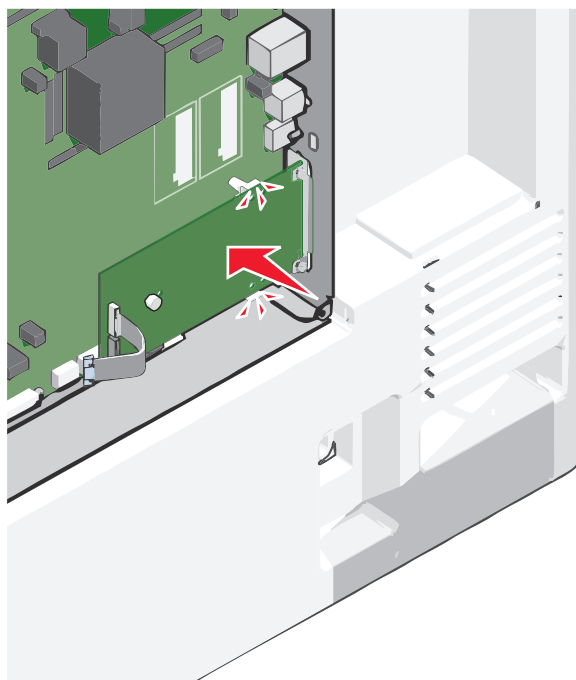
- 6** Align the posts of the plastic tee to the holes on the system board, and press down until the tee *clicks* into place. Be sure each post of the tee has latched completely, and the tee is seated firmly on the system board.



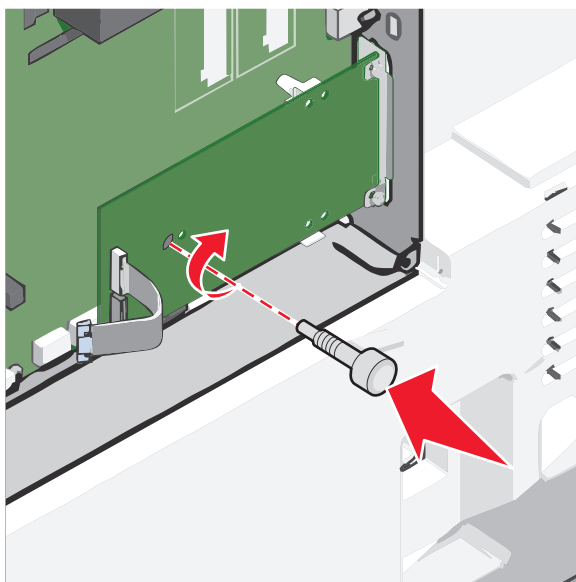
- 7** Install the ISP on the plastic tee. Angle the ISP over the plastic tee, and then slant it toward the plastic tee so that any overhanging connectors will pass through the ISP opening in the system board cage.



- 8** Lower the ISP toward the plastic tee until the ISP is seated between the guides of the plastic tee.

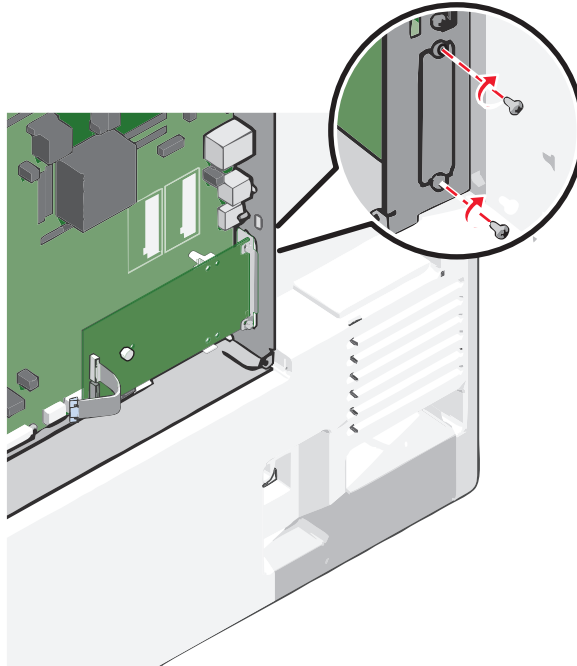


- 9** Insert the long thumbscrew and turn it clockwise, enough to hold the ISP in place, but do not yet tighten the thumbscrew.





- 10** Attach the two provided screws to secure the ISP mounting bracket to the system board cage.

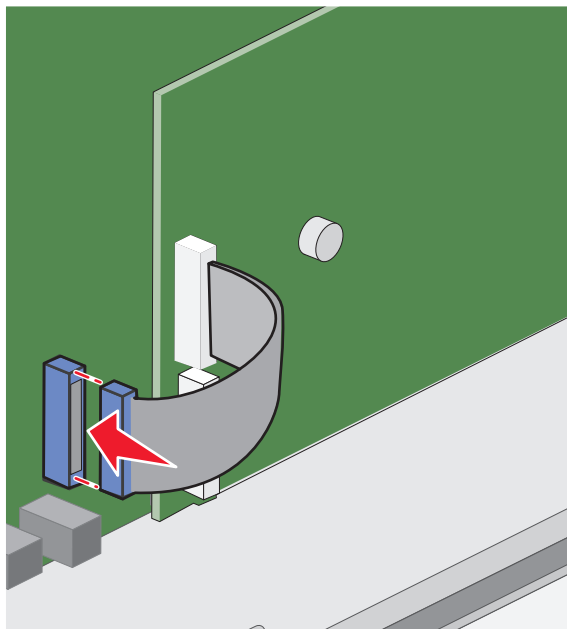


- 11** Tighten the long thumbscrew.

**Warning—Potential Damage:** Do not overtighten the thumbscrew.

- 12** Insert the plug of the ISP interface cable into the receptacle of the system board.

**Note:** The plugs and receptacles are color-coded.



- 13** Reattach the system board cover.

## Installing a printer hard disk

**Note:** This task requires a flathead screwdriver.

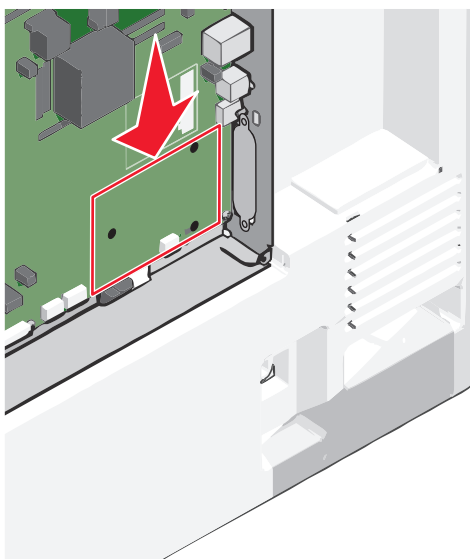
**CAUTION—SHOCK HAZARD:** If you are accessing the system board or installing optional hardware or memory devices sometime after setting up the printer, then turn the printer off, and unplug the power cord from the wall outlet before continuing. If you have any other devices attached to the printer, then turn them off as well, and unplug any cables going into the printer.

**Warning—Potential Damage:** System board electronic components are easily damaged by static electricity. Touch something metal on the printer before touching any system board electronic components or connectors.

- 1 Access the system board.

For more information, see [“Accessing the system board” on page 26](#).

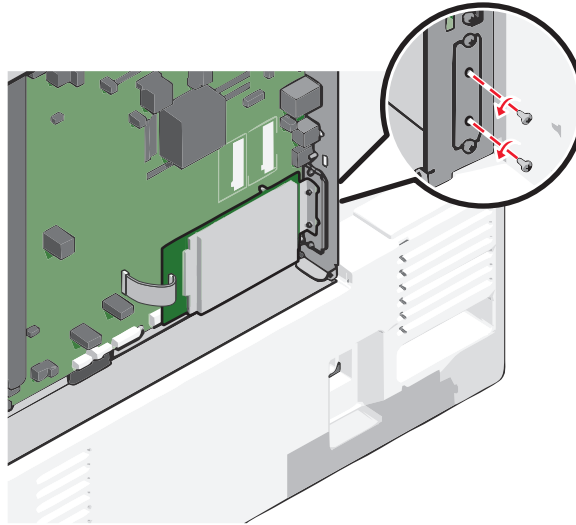
- 2 Unpack the printer hard disk.
- 3 Locate the appropriate connector on the system board.



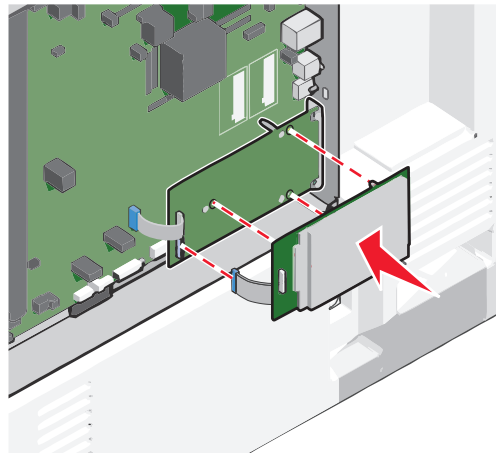
**Note:** If an optional ISP is currently installed, then the printer hard disk must be installed onto the ISP.

To install a printer hard disk onto the ISP:

- a** Using a flathead screwdriver, loosen the screws.

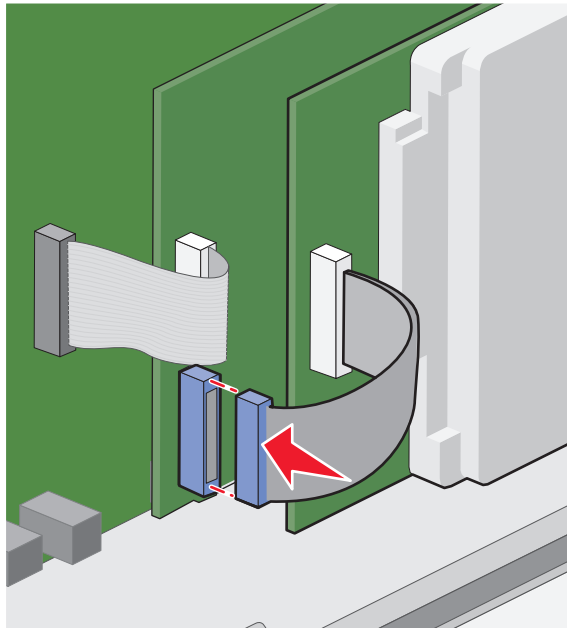


- b** Remove the screws attached to the printer hard disk mounting bracket, and then remove the bracket.
- c** Align the standoffs of the printer hard disk to the holes in the ISP, and then press down on the printer hard disk until the standoffs are in place.



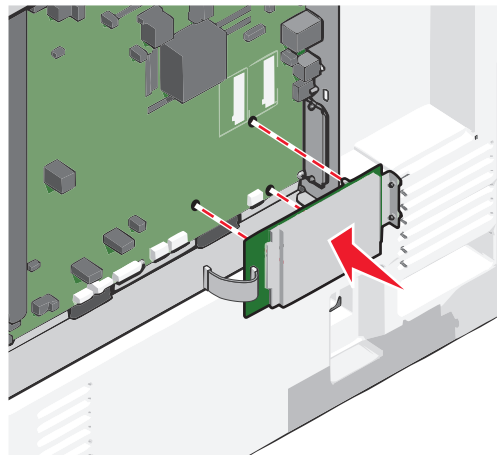
- d** Insert the plug of the printer hard disk interface cable into the receptacle of the ISP.

**Note:** The plugs and receptacles are color-coded.

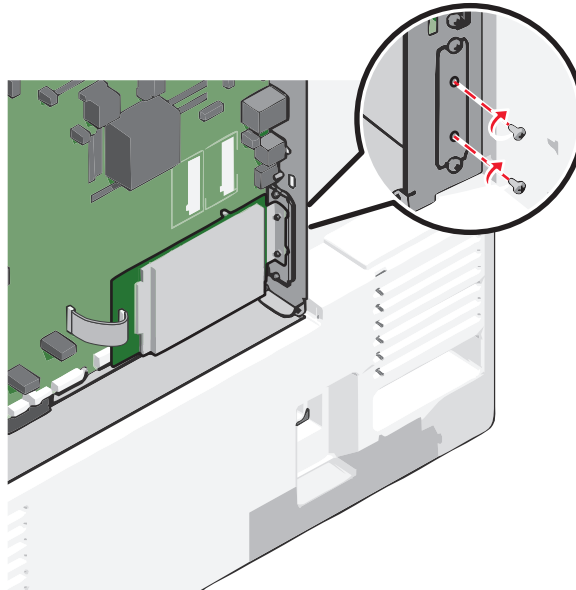


To install a printer hard disk directly on the system board:

- a** Align the standoffs of the printer hard disk to the holes in the system board, and then press down on the printer hard disk until the standoffs are in place.

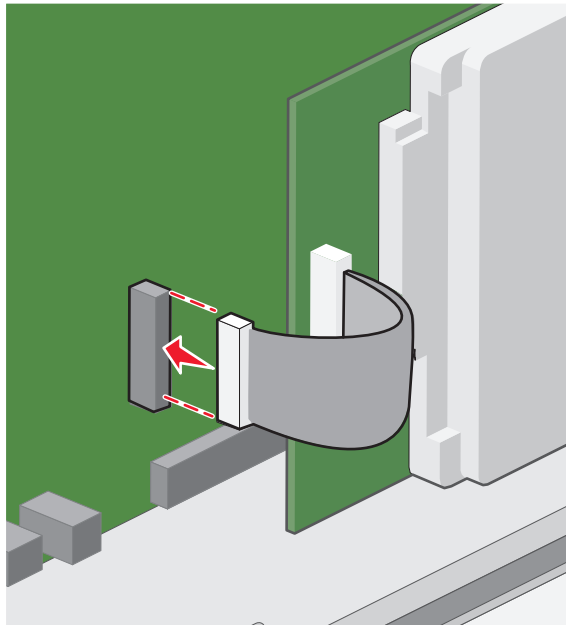


- b** Use the two provided screws to attach the printer hard disk mounting bracket.



- c** Insert the plug of the printer hard disk interface cable into the receptacle of the system board.

**Note:** The plugs and receptacles are color-coded.



- 4** Reattach the system board cover.

## Removing a printer hard disk

**Note:** This task requires a flathead screwdriver.

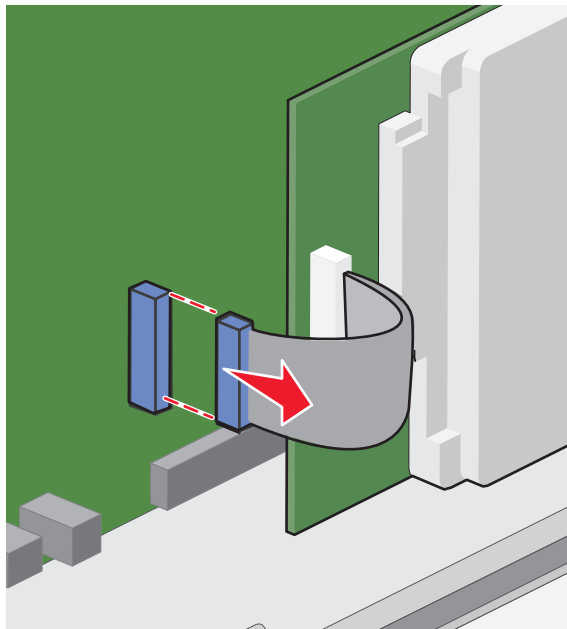
**CAUTION—SHOCK HAZARD:** If you are accessing the system board or installing optional hardware or memory devices sometime after setting up the printer, then turn the printer off, and unplug the power cord from the wall outlet before continuing. If you have any other devices attached to the printer, then turn them off as well, and unplug any cables going into the printer.

**Warning—Potential Damage:** System board electronic components are easily damaged by static electricity. Touch something metal on the printer before touching any system board electronic components or connectors.

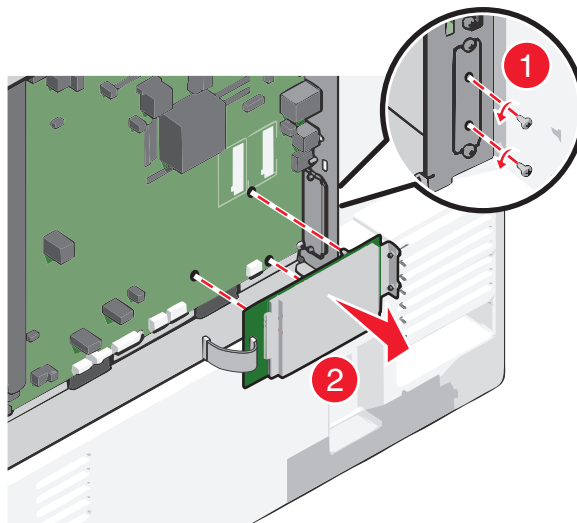
**1** Access the system board.

For more information, see [“Accessing the system board” on page 26](#).

**2** Unplug the printer hard disk interface cable from the system board, leaving the cable attached to the printer hard disk. To unplug the cable, squeeze the paddle at the plug of the interface cable to disengage the latch before pulling the cable out.






**3** Remove the screws while holding the printer hard disk in place, and then remove the printer hard disk.



- 4 Set the printer hard disk aside.
- 5 Reattach the system board cover.

## Order of installation

-  **CAUTION—POTENTIAL INJURY:** The printer weight is greater than 18 kg (40 lb) and requires two or more trained personnel to lift it safely.
-  **CAUTION—TIPPING HAZARD:** Floor-mounted configurations require additional furniture for stability. You must use either a printer stand or printer base if you are using a high-capacity input tray, a duplex unit and an input option, or more than one input option. If you purchased a multifunction printer (MFP) that scans, copies, and faxes, you may need additional furniture. For more information, see [www.lexmark.com/multifunctionprinters](http://www.lexmark.com/multifunctionprinters).
-  **CAUTION—SHOCK HAZARD:** If you are accessing the system board or installing optional hardware or memory devices sometime after setting up the printer, then turn the printer off, and unplug the power cord from the wall outlet before continuing. If you have any other devices attached to the printer, then turn them off as well, and unplug any cables going into the printer.

Install the printer and any options you have purchased in the following order:




- Caster base
- Optional spacer
- Optional 550-sheet trays or 2,000-sheet high-capacity feeder
- Standard 550-sheet trays
- Printer

For information on installing a caster base, a 550- or 2,000-sheet optional tray, spacer, or any of the finishers, see the setup documentation that came with the option.

## Installing optional trays

The printer supports the following optional input sources:

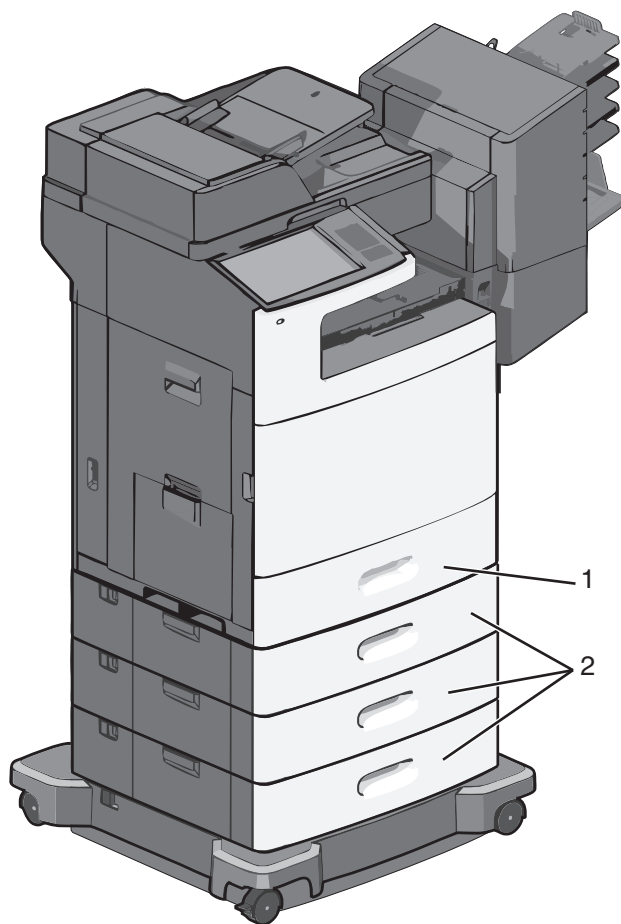
- 550-sheet tray
- 2,000-sheet high-capacity feeder

-  **CAUTION—POTENTIAL INJURY:** The printer weight is greater than 18 kg (40 lb) and requires two or more trained personnel to lift it safely.
-  **CAUTION—SHOCK HAZARD:** If you are accessing the system board or installing optional hardware or memory devices sometime after setting up the printer, then turn the printer off, and unplug the power cord from the wall outlet before continuing. If you have any other devices attached to the printer, then turn them off as well, and unplug any cables going into the printer.
-  **CAUTION—TIPPING HAZARD:** Floor-mounted configurations require additional furniture for stability. You must use either a printer stand or printer base if you are using a high-capacity input tray, a duplex unit and an input option, or more than one input option. If you purchased a multifunction printer (MFP) that scans, copies, and faxes, then you may need additional furniture. For more information, see [www.lexmark.com/multifunctionprinters](http://www.lexmark.com/multifunctionprinters).

- 1 Unpack the optional tray, and then remove all packing material.
- 2 Place the tray near the printer.

- 3 Turn the printer off.
- 4 Align the printer with the tray, and then lower the printer into place.

**Note:** Optional trays lock together when stacked. When necessary, remove stacked trays one at a time from the top down.



1	Standard 550-sheet tray (Tray 1)
2	Optional 550-sheet trays

- 5 Turn the printer back on.
- 6 Set the printer software to recognize the optional input source.  
For more information, see [“Updating available options in the printer driver” on page 47.](#)

## Attaching cables

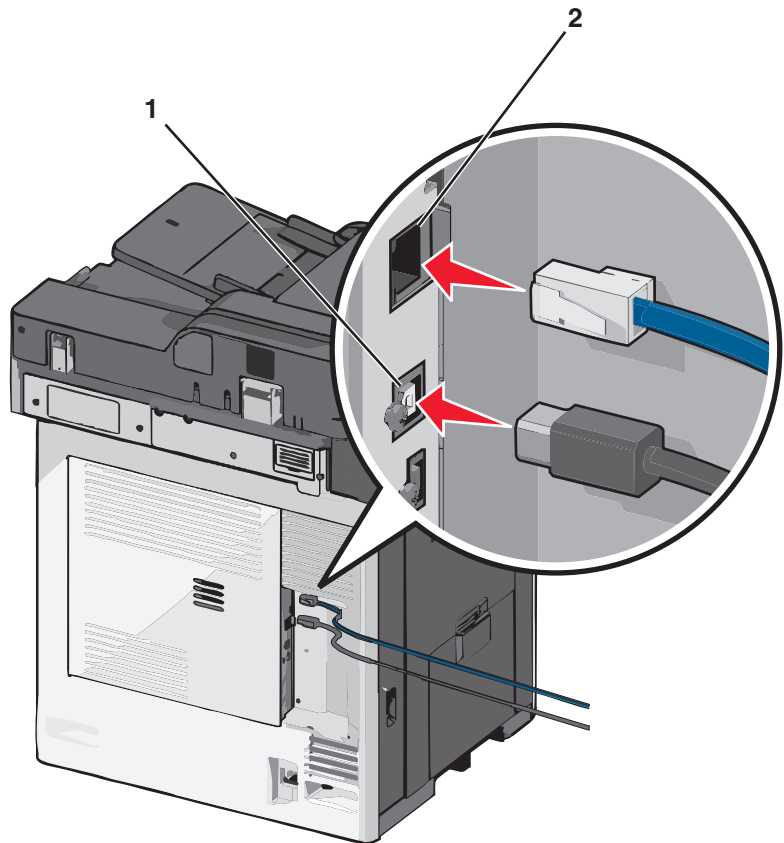
**CAUTION—POTENTIAL INJURY:** Do not use the fax feature during a lightning storm. Do not set up this product or make any electrical or cabling connections, such as the fax feature, power cord, or telephone, during a lightning storm.

Connect the printer to the computer using a USB cable or Ethernet cable.



Be sure to match the following:

- The USB symbol on the cable with the USB symbol on the printer
- The appropriate Ethernet cable to the Ethernet port



1	USB port <b>Warning—Potential Damage:</b> Do not touch the USB cable, any network adapter, or the printer in the area shown while actively printing. A loss of data or a malfunction can occur.
2	Ethernet port

## Verifying printer setup

- Once all hardware and software options are installed and the printer is turned on, verify that the printer is set up correctly by printing the following:
- **Menu settings page**—Use this page to verify that all printer options are installed correctly. A list of installed options appears toward the bottom of the page. If an option you installed is not listed, then it is not installed correctly. Remove the option and install it again.
  - **Network setup page**—If your printer is a network model and is attached to a network, print a network setup page to verify the network connection. This page also provides important information that aids network printing configuration.

## Printing a menu settings page

From the home screen, navigate to:

 > **Reports > Menu Settings Page**

## Printing a network setup page

If the printer is attached to a network, then print a network setup page to verify the network connection. This page also provides important information that aids network printing configuration.

- 1 From the home screen, navigate to:

 > **Reports > Network Setup Page**

- 2 Check the first section of the network setup page, and confirm that the status is **Connected**.

If the status is **Not Connected**, then the LAN drop may not be active, or the network cable may be malfunctioning. Consult a system support person for a solution, and then print another network setup page.

# Setting up the printer software

## Installing the printer software

### Notes:

- If you installed the printer software on the computer before but need to reinstall the software, then uninstall the current software first.
- Close all open software programs before installing the printer software.

- 1 Obtain a copy of the software installer package.

- From the *Software and Documentation* CD that came with your printer.
- From our Web site:

Go to <http://support.lexmark.com>, and then navigate to:

**SUPPORT & DOWNLOAD** > select your printer > select your operating system

- 2 Double-click the software installer package.

Wait for the installation dialog to appear.


If you are using a *Software and Documentation* CD and the installation dialog does not appear, then do the following:

### In Windows 8

From the Search charm, type **run**, and then navigate to:

Apps list > **Run** > type **D:\setup.exe** > **OK**.

### In Windows 7 or earlier

- a Click  or click **Start**, and then click **Run**.
- b In the Start Search or Run dialog, type **D:\setup.exe**.
- c Press **Enter**, or click **OK**.

### In Macintosh

Click the CD icon on the desktop.

**Note:** D is the letter of your CD or DVD drive.

- 3 Click **Install**, and then follow the instructions on the computer screen.

## Updating available options in the printer driver

When any hardware options are installed, you may need to manually add the options in the printer driver to make them available for use.

### For Windows users


- 1 Open the printers folder.

#### In Windows 8

From the Search charm, type **run**, and then navigate to:

Apps list > **Run** > type **control printers** > **OK**

#### In Windows 7 or earlier

- a Click  or click **Start**, and then click **Run**.
  - b In the Start Search or Run dialog, type **control printers**.
  - c Press **Enter**, or click **OK**.
- 2 Depending on your device, do either of the following:
    - Press and hold the printer you want to update.
    - Right-click the printer you want to update.
  - 3 From the menu that appears, do either of the following:
    - For Windows 7 or later, select **Printer properties**.
    - For earlier versions, select **Properties**.
  - 4 Click the **Configuration** tab.
  - 5 Do either of the following:
    - Click **Update Now - Ask Printer**.
    - Under Configuration Options, manually add any installed hardware options.
  - 6 Click **Apply**.

### For Macintosh users

- 1 From the Apple menu, navigate to either of the following:
  - **System Preferences** > **Print & Scan** > select your printer > **Options & Supplies** > **Driver**
  - **System Preferences** > **Print & Fax** > select your printer > **Options & Supplies** > **Driver**
- 2 Add any installed hardware options, and then click **OK**.

## Setting up wireless printing

**Note:** A Service Set Identifier (SSID) is a name assigned to a wireless network. Wired Equivalent Privacy (WEP), Wi-Fi Protected Access (WPA), WPA2, and 802.1X - RADIUS are types of security used on a network.

### Preparing to set up the printer on an Ethernet network

To configure your printer to connect to an Ethernet network, organize the following information before you begin:

**Note:** If your network automatically assigns IP addresses to computers and printers, continue on to installing the printer.

- A valid, unique IP address for the printer to use on the network
- The network gateway
- The network mask
- A nickname for the printer (optional)

**Note:** A printer nickname can make it easier for you to identify your printer on the network. You can choose to use the default printer nickname, or assign a name that is easier for you to remember.

You will need an Ethernet cable to connect the printer to the network and an available port where the printer can physically connect to the network. Use a new network cable when possible to avoid potential problems caused by a damaged cable.

### Preparing to set up the printer on a wireless network

#### Notes:

- Make sure your access point (wireless router) is turned on and is working properly.
- Do not connect the installation or network cables until prompted to do so by the setup software.

Make sure you have the following information before setting up the printer on a wireless network:

- **SSID**—The SSID is also referred to as the network name.
- **Wireless Mode (or Network Mode)**—The mode is either infrastructure or ad hoc.
- **Channel (for ad hoc networks)**—The channel defaults to automatic for infrastructure networks.

Some ad hoc networks will also require the automatic setting. Check with your system support person if you are not sure which channel to select.

- **Security Method**—There are four basic options for Security Method:

- WEP key

If your network uses more than one WEP key, then enter up to four in the provided spaces. Select the key currently in use on the network by selecting the default WEP transmit key.

- WPA or WPA2 preshared key or passphrase

WPA includes encryption as an additional layer of security. The choices are AES or TKIP. Encryption must be set for the same type on the router and on the printer, or the printer will not be able to communicate on the network.

- 802.1X-RADIUS

If you are installing the printer on an 802.1X network, then you may need the following:

- Authentication type
  - Inner authentication type
  - 802.1X user name and password
  - Certificates
- No security
- If your wireless network does not use any type of security, then you will not have any security information.

**Note:** Using an unsecured wireless network is not recommended.

**Notes:**

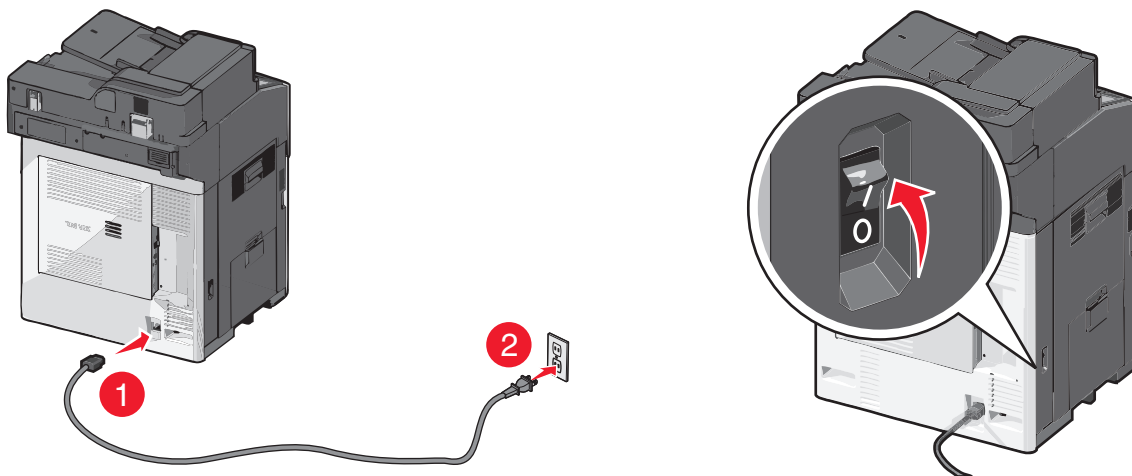
- If you do not know the SSID of the network that your computer is connected to, then launch the wireless utility of the computer network adapter, and then look for the network name. If you cannot find the SSID or the security information for your network, then see the documentation that came with the access point or contact your system support person.
- To find the WPA/WPA2 preshared key or passphrase for the wireless network, see the documentation that came with the access point, see the Embedded Web Server associated with the access point, or consult your system support person.

## Installing the printer on a wireless network (Windows)

Before installing the printer on a wireless network, make sure:

- Your wireless network is set up and is working properly.
- The computer you are using is connected to the same wireless network where you want to set up the printer.

**1** Connect the power cord to the printer, then to a properly grounded electrical outlet, and then turn on the printer.



**Note:** Make sure the printer and the computer are fully on and ready.

**Warning—Potential Damage:** Do not connect the USB cable until instructed to do so on the computer screen.



**2** Obtain a copy of the software installer package.

- From the *Software and Documentation* CD that came with your printer.
- From our Web site:  
Go to <http://support.lexmark.com>, and then navigate to:  
**SUPPORT & DOWNLOAD** > select your printer > select your operating system

**3** Double-click the software installer package.

Wait for the installation dialog to appear.


If you are using the *Software and Documentation* CD and the installation dialog does not appear, then do the following:

**In Windows 8**

From the Search charm, type **run**, and then navigate to:

Apps list > **Run** > type **D:\setup.exe** > **OK**

**In Windows 7 or earlier**

- Click  or click **Start**, and then click **Run**.
- In the Start Search or Run dialog, type **D:\setup.exe**.
- Press **Enter** or click **OK**.

**Note:** D is the letter of your CD or DVD drive.

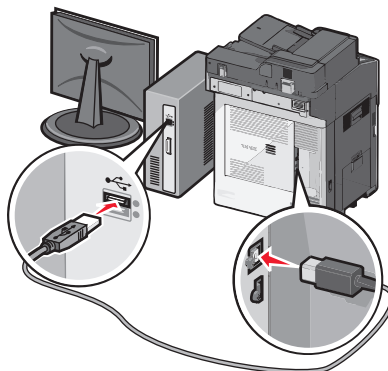
**4** Click **Install**, and then follow the instructions on the computer screen.

**5** Select **Wireless connection** when asked to choose a connection type.

**6** From the Wireless Configuration dialog, select **Guided Setup (Recommended)**.

**Note:** Choose **Advanced Setup** only if you want to customize your installation.

**7** Temporarily connect a USB cable between the computer on the wireless network and the printer.



**Note:** After the printer is configured, the software will instruct you to disconnect the temporary USB cable so you can print wirelessly.

**8** Follow the instructions on the computer screen.

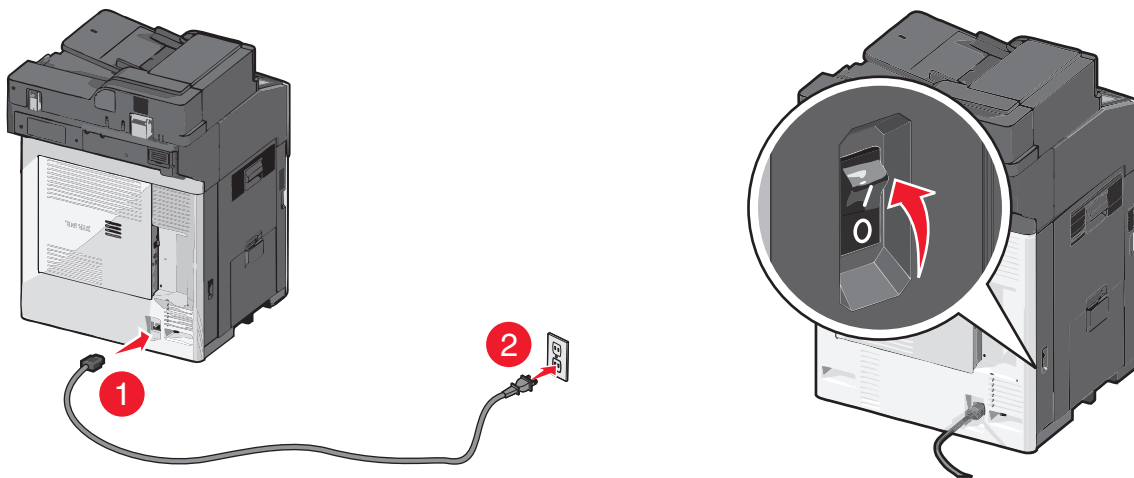
**Note:** For more information on allowing other computers on the network to use the wireless printer, see the *Networking Guide*.

## Installing the printer on a wireless network (Macintosh)

**Note:** Make sure to disconnect the Ethernet cable when installing the printer on a wireless network.

### Prepare to configure the printer

**1** Connect the power cord to the printer, then to a properly grounded electrical outlet, and then turn on the printer.



**2** Locate the printer MAC address.

**a** From the printer control panel, navigate to:



or



**b** In the Standard Network Card section, look for **UAA (MAC)**.

**Note:** You will need this information later.

### Enter the printer information

**1** Access the AirPort options:

**In Mac OS X version 10.5 or later**

From the Apple menu, navigate to either of the following:

- **System Preferences > Network > Wi-Fi**
- **System Preferences > Network > AirPort**

**In Mac OS X version 10.4**

From the Finder, navigate to:

**Applications > Internet Connect > AirPort**

- 2 From the Network Name pop-up menu, select **print server [yyyyyy]**, where the **y**'s are the last six digits of the MAC address located on the MAC address sheet.
- 3 Open a Web browser.
- 4 From the Bookmarks menu, select **Show** or **Show All Bookmarks**.
- 5 Under COLLECTIONS, select **Bonjour** or **Rendezvous**, and then double-click the printer name.  
**Note:** The application referred to as *Rendezvous* in Mac OS X version 10.2 is now called *Bonjour* by Apple Inc.
- 6 From the Embedded Web Server, navigate to the location of the wireless settings information.

**Configure the printer for wireless access**

- 1 Type the network name (SSID) in the appropriate field.
- 2 Select **Infrastructure** as your Network Mode setting if you are using an access point (wireless router).
- 3 Select the type of security you want to use to protect the wireless network.
- 4 Enter the security information necessary for the printer to connect to the wireless network.
- 5 Click **Submit**.
- 6 Open the AirPort application on the computer:

**In Mac OS X version 10.5 or later**

From the Apple menu, navigate to either of the following:

- **System Preferences > Network > Wi-Fi**
- **System Preferences > Network > AirPort**

**In Mac OS X version 10.4**

From the Finder, navigate to:

**Applications > Internet Connect > AirPort**

- 7 From the Network pop-up menu, select the name of the wireless network.

**Configure your computer to use the printer wirelessly**

To print on a network printer, each Macintosh user must install a custom printer driver file and create a print queue in the Printer Setup Utility or Print Center.

- 1 Install a printer driver file on the computer:
  - a Obtain a copy of the software installer package.
    - From the *Software and Documentation* CD that came with your printer.
    - From our Web site:  
Go to <http://support.lexmark.com>, and then navigate to:  
**SUPPORT & DOWNLOAD** > select your printer > select your operating system
  - b Double-click the installer package for the printer.
  - c Follow the instructions on the computer screen.



- d** Select a destination, and then click **Continue**.
- e** From the Easy Install screen, click **Install**.
- f** Type the user password, and then click **OK**.  
All necessary applications are installed in the computer.
- g** Click **Close** when the installation is complete.

**2** Add the printer:

- a** For IP printing:

**In Mac OS X version 10.5 or later**

- 1** From the Apple menu, navigate to either of the following:
  - **System Preferences > Print & Scan**
  - **System Preferences > Print & Fax**
- 2** Click **+**.
- 3** If necessary, click **Add Printer or Scanner** or **Add Other Printer or Scanner**.
- 4** Click the **IP** tab.
- 5** Type the IP address of the printer in the address field, and then click **Add**.

**In Mac OS X version 10.4**

- 1** From the Finder, navigate to:  
**Applications > Utilities**
- 2** Double-click **Printer Setup Utility** or **Print Center**.
- 3** From the Printer List, choose **Add**, and then click **IP Printer**.
- 4** Type the IP address of the printer in the address field, and then click **Add**.

- b** For AppleTalk printing:

**Notes:**

- Make sure AppleTalk is activated on your printer.
- This feature is supported only in Mac OS X version 10.5 or earlier.

**In Mac OS X version 10.5**

- 1** From the Apple menu, navigate to:  
**System Preferences > Print & Fax**
- 2** Click **+**, and then navigate to:  
**AppleTalk > select the printer from the list > Add**

**In Mac OS X version 10.4**

- 1** From the Finder, navigate to:  
**Applications > Utilities**
- 2** Double-click **Printer Setup Utility** or **Print Center**.
- 3** From the Printer List, click **Add**.
- 4** Click **Default Browser** tab > **More Printers**.
- 5** From the first pop-up menu, select **AppleTalk**.
- 6** From the second pop-up menu, select **Local AppleTalk Zone**.
- 7** Select the printer from the list, and then click **Add**.

## Changing port settings after installing a new network ISP

### Notes:

- If the printer has a static IP address, then you do not need to make any changes.
- If the computers are configured to use the network name, instead of an IP address, then you do not need to make any changes.
- If you are adding a wireless ISP to a printer previously configured for an Ethernet connection, then make sure the printer is disconnected from the Ethernet network.

### For Windows users

- 1 Open the printers folder.
- 2 From the shortcut menu of the printer with the new ISP, open the printer properties.
- 3 Configure the port from the list.
- 4 Update the IP address.
- 5 Apply the changes.

### For Macintosh users

- 1 From System Preferences in the Apple menu, navigate to the list of printers, and then select **+ > IP**.
- 2 Type the IP address in the address field.
- 3 Apply the changes.

## Setting up serial printing (Windows only)

After installing the serial or communication (COM) port, configure the printer and the computer.

**Note:** Serial printing reduces print speed.

- 1 Set the parameters in the printer.
  - a From the control panel, navigate to the menu for the port settings.
  - b Locate the menu for the serial port settings, and then adjust the settings, if necessary.
  - c Save the settings.
- 2 From your computer, open the printers folder, and then select your printer.
- 3 Open the printer properties, and then select the COM port from the list.
- 4 Set the COM port parameters in Device Manager.

Use the Run dialog box to open the command prompt, and then type **devmgmt.msc**.

# Minimizing your printer's environmental impact

Lexmark is committed to environmental sustainability and is continually improving its printers to reduce their impact on the environment. We design with the environment in mind, engineer our packaging to reduce materials, and provide collection and recycling programs. For more information, see:

- The Notices chapter
- The Environmental Sustainability section of the Lexmark Web site at [www.lexmark.com/environment](http://www.lexmark.com/environment)
- The Lexmark recycling program at [www.lexmark.com/recycle](http://www.lexmark.com/recycle)

By selecting certain printer settings or tasks, you may be able to reduce your printer's impact even further. This chapter outlines the settings and tasks that may yield a greater environmental benefit.

## Saving paper and toner

Studies show that as much as 80% of the carbon footprint of a printer is related to paper usage. You can significantly reduce your carbon footprint by using recycled paper and the following printing suggestions, such as printing on both sides of the paper and printing multiple pages on one side of a single sheet of paper.

For information on how you can quickly save paper and energy using one printer setting, see [“Using Eco-Mode” on page 56](#).

### Using recycled paper

As an environmentally conscious company, Lexmark supports the use of recycled office paper produced specifically for use in laser printers. For more information on recycled papers that work well with your printer, see [“Using recycled paper and other office papers” on page 73](#).

## Conserving supplies

### Use both sides of the paper

If your printer model supports two-sided printing, then you can control whether print appears on one or two sides of the paper.

#### Notes:

- Two-sided printing is the default setting in the print driver.
- For a complete list of supported products and countries, go to <http://support.lexmark.com>.

### Place multiple pages on one sheet of paper

You can print up to 16 consecutive pages of a multiple-page document onto one side of a single sheet of paper by setting multiple page printing (N-Up) for the print job.

## Check your first draft for accuracy

Before printing or making multiple copies of a document:

- Use the preview feature to see how the document looks like before you print it.
- Print one copy of the document to check its content and format for accuracy.

## Avoid paper jams

Correctly set the paper type and size to avoid paper jams. For more information, see [“Avoiding jams” on page 231](#).

# Saving energy

## Using Eco-Mode

- 1 Type the printer IP address in the address field of your Web browser.

If you do not know the IP address of the printer, then you can:

- View the IP address on the printer control panel in the TCP/IP section under the Networks/Ports menu.
- Print a network setup page or the menu settings pages and locate the IP address in the TCP/IP section.

- 2 Click **Settings > General Settings > Eco-Mode** > select a setting > **Submit**.

Choose	To
<b>Off</b>	Use factory default settings for all settings associated with Eco-Mode. This setting supports the performance specifications of your printer.
<b>Energy</b>	Reduce energy use, especially when the printer is idle. <ul style="list-style-type: none"> <li>• The printer enters Sleep mode after one minute of inactivity.</li> <li>• When the printer enters Sleep mode, the printer control panel display and the standard exit bin lights are turned off.</li> <li>• If scanning is supported, then the scanner lamps are activated only when a scan job is started.</li> </ul>
<b>Energy/Paper</b>	Use all the settings associated with Energy mode and Paper mode.
<b>Paper</b>	<ul style="list-style-type: none"> <li>• Enable the automatic duplex feature.</li> <li>• Turn off print log features.</li> </ul>

## Reducing printer noise

To select a Quiet Mode setting using the Embedded Web Server:

- 1 Type the printer IP address into the address field of your Web browser.

If you do not know the IP address of the printer, you can:

- View the IP address on the printer control panel in the TCP/IP section under the Networks/Ports menu.
- Print a network setup page or the menu settings pages and locate the IP address in the TCP/IP section.

- 2 Click **Settings > General Settings > Quiet Mode** > select a setting > **Submit**.

Choose	To
Off <b>Note:</b> Selecting <b>Photo</b> from the driver may disable Quiet Mode and provide better print quality and full speed printing.	Use factory default settings. This setting supports the performance specifications of your printer.
On	Reduce printer noise. <ul style="list-style-type: none"> <li>• Print jobs will process at a reduced speed.</li> <li>• Printer engine motors do not start until a document is ready to print. There will be a short delay before the first page is printed.</li> <li>• If your printer has faxing capability, fax sounds are reduced or disabled, including those made by the fax speaker and ringer. The fax is placed in standby mode.</li> <li>• The alarm control and cartridge alarm sounds are turned off.</li> <li>• The printer will ignore the Advance Start command.</li> </ul>

## Adjusting Sleep mode

1 From the home screen, navigate to:

 > **Settings** > **General Settings** > **Timeouts** > **Sleep Mode**

2 In the Sleep Mode field, select the number of minutes the printer is idle before it enters Sleep mode.

3 Apply the changes.

## Using Hibernate mode

Hibernate is an ultra-low-power operating mode.

### Notes:

- Three days is the default amount of time before the printer enters Hibernate mode.
- Make sure to wake the printer from Hibernate mode before sending a print job. A hard reset or a long press of the Sleep button wakes the printer from Hibernate mode.
- If the printer is in Hibernate mode, then the Embedded Web Server is disabled.

1 From the home screen, navigate to:

 > **Settings** > **General Settings**

2 From the “Press Sleep Button” or “Press and Hold Sleep Button” menu, select **Hibernate**, and then touch **Submit**.

## Adjusting the brightness of the printer display

To save energy, or if you have trouble reading from the display, adjust the brightness of the display.

### Using the Embedded Web Server

- 1 Open a Web browser, and then type the printer IP address in the address field.

#### Notes:

- The IP address is located on the upper portion of the home screen. It appears as four sets of numbers separated by periods, such as 123.123.123.123.
- If you are using a proxy server, then temporarily disable it to load the Web page correctly.

- 2 Select **Settings > General Settings**.
- 3 In the Screen Brightness field, enter the brightness percentage you want for the display.
- 4 Apply the changes.

### Using the control panel

- 1 From the home screen, navigate to:

 > **Settings > General Settings**

- 2 In the Screen Brightness field, enter the brightness percentage you want for the display.
- 3 Apply the changes.

## Setting the standard exit bin light

To save energy, you can dim or turn off the output lighting for the standard exit bin.

Available settings are Off, Dim, and Bright.

The factory default setting for Normal/Standby Mode is Bright.

When Eco-Mode is set to Energy or Energy/Paper, then the light setting is Dim.

When in Sleep Mode, then the light is off.

### Using the Embedded Web Server

- 1 Type the printer IP address into the address field of your Web browser.

If you do not know the IP address of the printer, then you can:

- View the IP address on the printer control panel in the TCP/IP section under the Networks/Ports menu.
- Print a network setup page or the menu settings pages and locate the IP address in the TCP/IP section.

- 2 Click **Settings > General Settings > Output Lighting**.
- 3 From the Normal/Standby Mode list, select the light setting for the standard exit bin when in Ready or Standby mode.
- 4 Click **Submit**.

## Using the printer control panel

1 From the home screen, navigate to:

 > **Settings** > **General Settings** > **Output Lighting**

2 Touch the arrow button next to **Normal/Standby Mode** to select the light settings for the standard exit bin when in Ready or Standby Mode.

3 Touch **Submit**.

## Recycling

Lexmark provides collection programs and environmentally progressive approaches to recycling. For more information, see:

- The Notices chapter
- The Environmental Sustainability section of the Lexmark Web site at [www.lexmark.com/environment](http://www.lexmark.com/environment)
- The Lexmark recycling program at [www.lexmark.com/recycle](http://www.lexmark.com/recycle)

## Recycling Lexmark products

To return Lexmark products for recycling:

- 1 Go to [www.lexmark.com/recycle](http://www.lexmark.com/recycle).
- 2 Find the product type you want to recycle, and then select your country or region from the list.
- 3 Follow the instructions on the computer screen.

**Note:** Printer supplies and hardware not listed in the Lexmark collection program may be recycled through your local recycling center. Contact your local recycling center to determine the items they accept.

## Recycling Lexmark packaging

Lexmark continually strives to minimize packaging. Less packaging helps to ensure that Lexmark printers are transported in the most efficient and environmentally sensitive manner and that there is less packaging to dispose of. These efficiencies result in fewer greenhouse emissions, energy savings, and natural resource savings.

Lexmark cartons are 100% recyclable where corrugated recycling facilities exist. Facilities may not exist in your area.

The foam used in Lexmark packaging is recyclable where foam recycling facilities exist. Facilities may not exist in your area.

When you return a cartridge to Lexmark, you can reuse the box that the cartridge came in. Lexmark will recycle the box.

## Returning Lexmark cartridges for reuse or recycling

Lexmark Cartridge Collection Program diverts millions of Lexmark cartridges from landfills annually by making it both easy and free for Lexmark customers to return used cartridges to Lexmark for reuse or recycling. One hundred percent of the empty cartridges returned to Lexmark are either reused or demanufactured for recycling. Boxes used to return the cartridges are also recycled.

To return Lexmark cartridges for reuse or recycling, follow the instructions that came with your printer or cartridge and use the prepaid shipping label. You can also do the following:

- 1** Go to [www.lexmark.com/recycle](http://www.lexmark.com/recycle).
- 2** From the Toner Cartridges section, select your country or region.
- 3** Follow the instructions on the computer screen.



## Loading paper and specialty media

### Setting the paper size and type

The Paper Size setting is automatically sensed according to the position of the paper guides in each tray except the multipurpose feeder. The Paper Size setting for the multipurpose feeder must be set manually from the Paper Size menu. The Paper Type setting must be set manually for all trays that do not contain plain paper.

From the home screen navigate to:



> **Paper Menu** > **Paper Size/Type** > select a tray > select the paper size or type > **Submit**

### Configuring Universal paper settings

The Universal Paper Size is a user-defined setting that lets you print on paper sizes that are not preset in the printer menus. Set the Paper Size for the specified tray to Universal when the size you want is not available from the Paper Size menu. Then, specify all of the following Universal size settings for your paper:

- Units of Measure
- Portrait Width
- Portrait Height

#### Notes:

- The largest supported Universal size is 216 x 1219 mm (8.5 x 48 in.).
- The smallest supported Universal size is 76 x 127 mm (3 x 5 in.) and loaded in the multipurpose feeder only.

**1** From the home screen, navigate to:



> **Paper Menu** > **Universal Setup** > **Units of Measure** > select a unit of measure

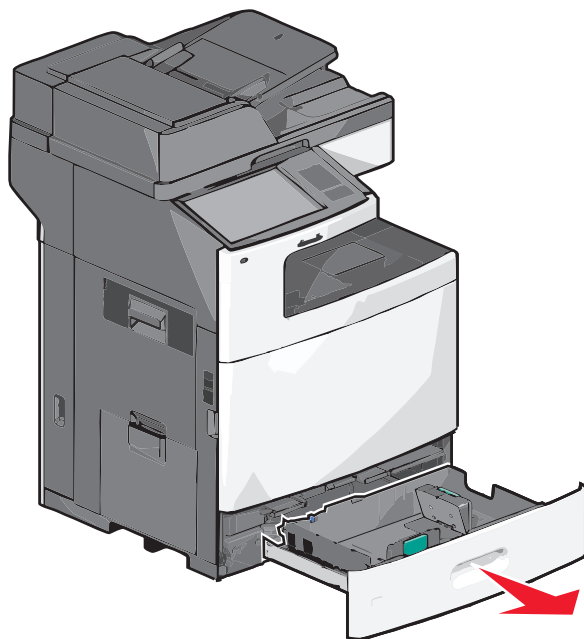
**2** Touch **Portrait Width** or **Portrait Height** > select the width or height > **Submit**

### Loading the standard or optional 550-sheet tray

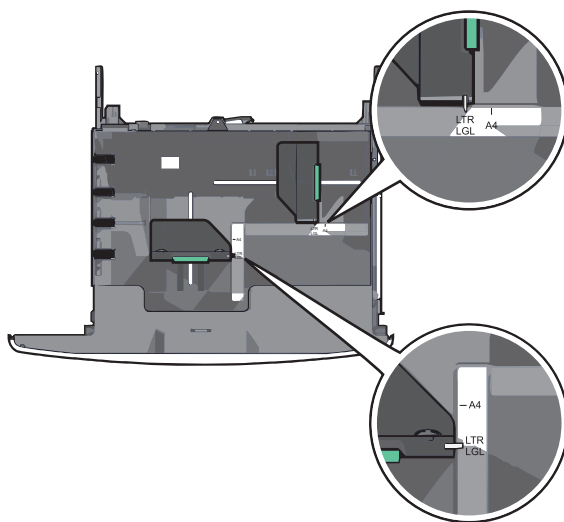
The printer has one standard 550-sheet tray (Tray 1), and may have one or more optional 550-sheet trays. All 550-sheet trays support the same paper sizes and types.

**CAUTION—POTENTIAL INJURY:** To reduce the risk of equipment instability, load each paper drawer or tray separately. Keep all other drawers or trays closed until needed.

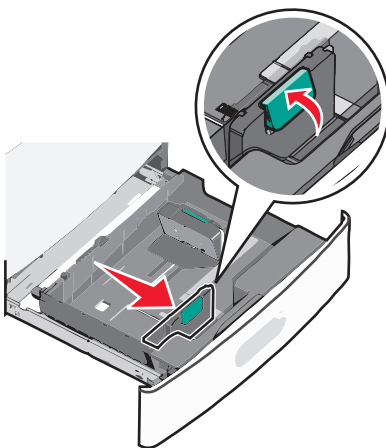
- 1 Pull the tray out.



Notice the size indicators on the bottom of the tray. Use these indicators to help position the length and width guides.

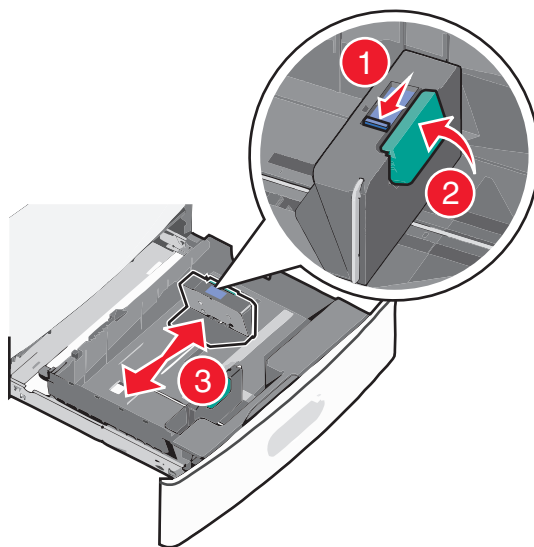


- 2 Squeeze and then slide the width guide to the correct position for the paper size you are loading.

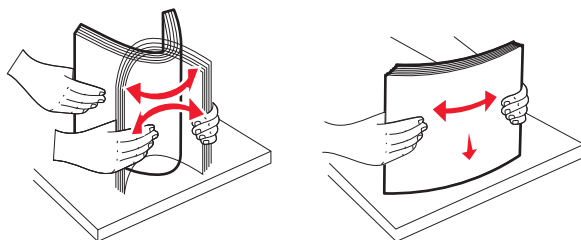


- 3 Squeeze and then slide the length guide to the correct position for the paper size you are loading.

**Note:** The length guide has a locking device. To unlock, push the button on top of the length guide backward. To lock, push the button forward when a length has been selected.



- 4 Flex the sheets back and forth to loosen them. Do not fold or crease the paper. Straighten the edges on a level surface.

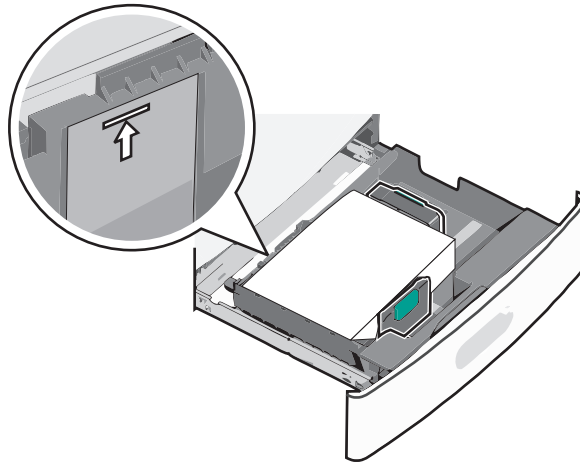


- 5 Load the paper stack with the recommended print side faceup.

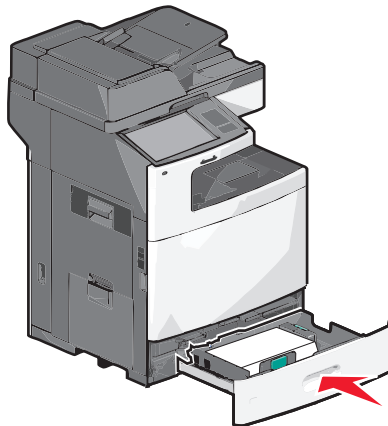
**Notes:**

- Place the print side facedown for duplex printing.

- Place pre-punched paper with the holes toward the front of the tray.
- Place letterheads faceup with the header on the left side of the tray.
- Place letterheads facedown with the header on the right side of the tray for duplex printing.
- Make sure the paper is below the maximum fill line located on the edge of the paper tray. Overloading the tray can cause paper jams and possible printer damage.



**6** Insert the tray.



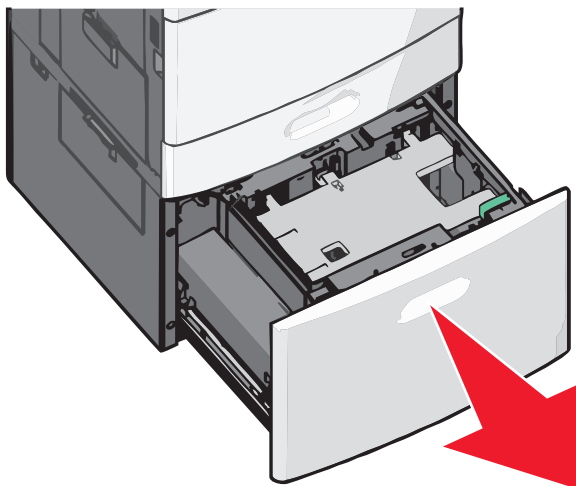
**7** From the printer control panel, verify the Paper Size and Paper Type for the tray based on the paper you loaded.

## Loading the 2000-sheet high-capacity feeder

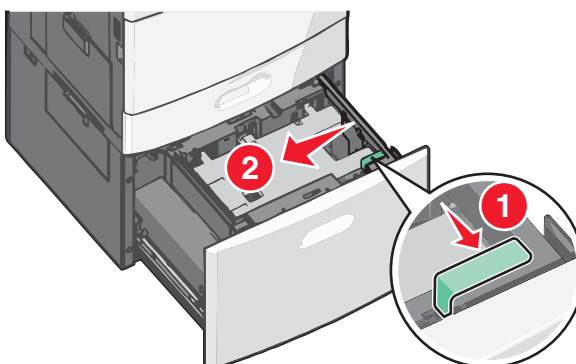
The high-capacity feeder can hold up to 2,000 sheets of A4-, letter-, or legal-size paper (80 g/m<sup>2</sup> or 20 lb).

**CAUTION—POTENTIAL INJURY:** To reduce the risk of equipment instability, load each paper drawer or tray separately. Keep all other drawers or trays closed until needed.

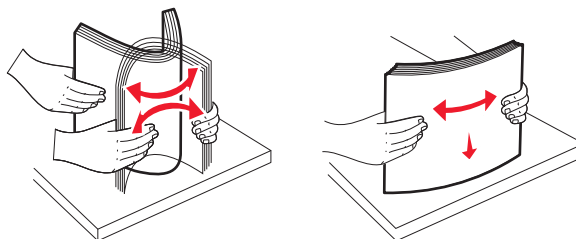
- 1 Pull the tray out.



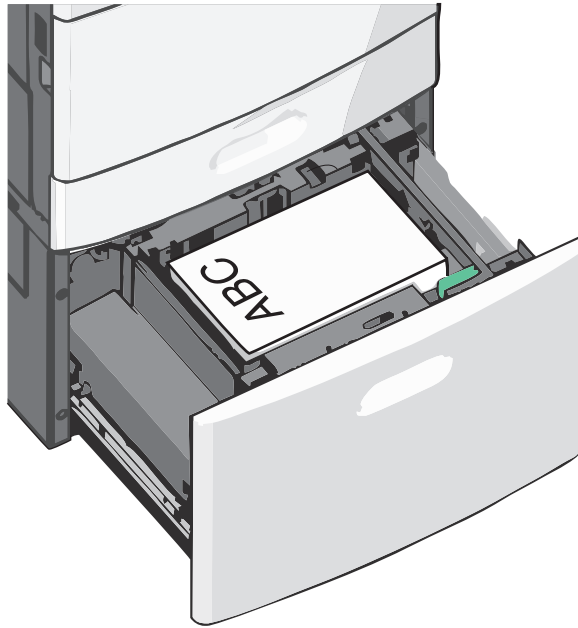
- 2 Adjust the width guide as necessary.



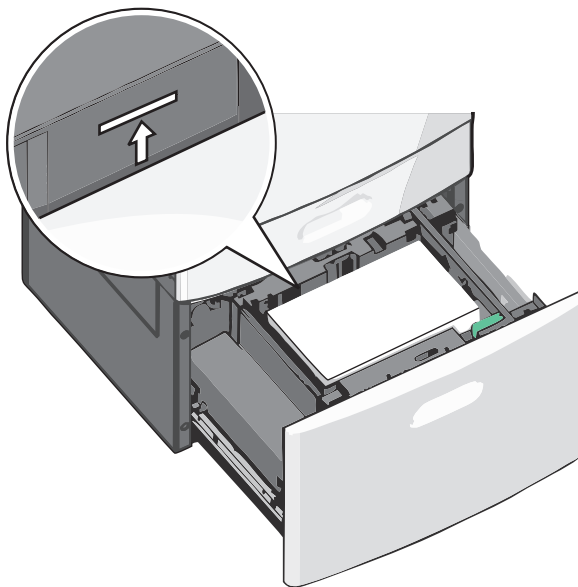
- 3 Flex the sheets back and forth to loosen them. Do not fold or crease the paper. Straighten the edges on a level surface.



**4** Load paper into the tray with the print side faceup.



**Note:** Make sure the paper is below the maximum fill line located on the edge of the paper tray. Overloading the tray can cause paper jams.



**Notes:**

- Place pre-punched paper with the holes toward the front of the tray.
- Place letterheads faceup with the header on the left side of the tray.
- Place letterheads facedown with the header on the right side of the tray for duplex printing.

**5** Insert the tray.

## Loading the multipurpose feeder

The multipurpose feeder can hold several sizes and types of print media, such as transparencies, labels, card stock, and envelopes. It can be used for single-page or manual printing, or as an additional tray.

The multipurpose feeder can hold approximately:

- 100 sheets of 75-g/m<sup>2</sup> (20-lb) paper
- 10 envelopes
- 75 transparencies

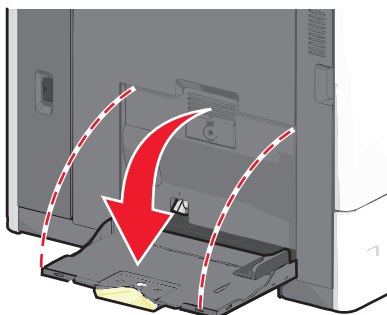
The multipurpose feeder accepts paper or specialty media within the following dimensions:

- Width—89 mm (3.5 in.) to 229 mm (9.02 in.)
- Length—127 mm (5 in.) to 1270 mm (50 in.)

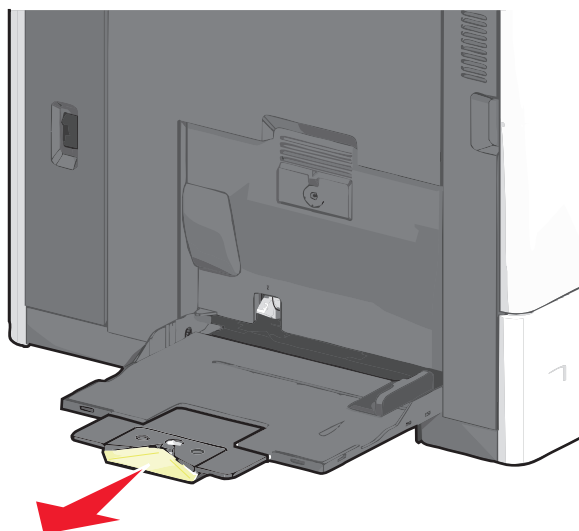
**Note:** Maximum width and length can be applied only to short-edge feeding.

**Note:** Do not add or remove paper or specialty media when the printer is printing from the multipurpose feeder or when the printer control panel indicator light is blinking. Doing so may cause a jam.

- 1 Pull down the multipurpose feeder door.

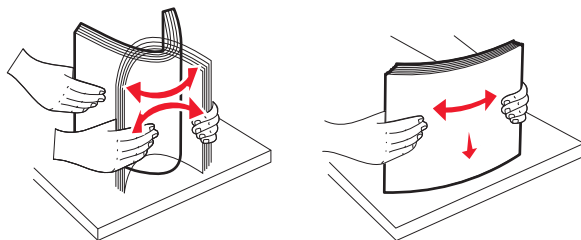


- 2 For paper or specialty media that is longer than letter-size paper, gently pull the extension until it is fully extended.

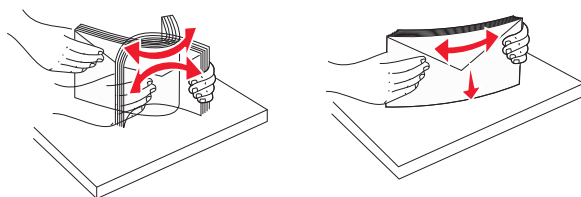


- 3 Flex the sheets of paper or specialty media back and forth to loosen them. Do not fold or crease them. Straighten the edges on a level surface.

## Paper

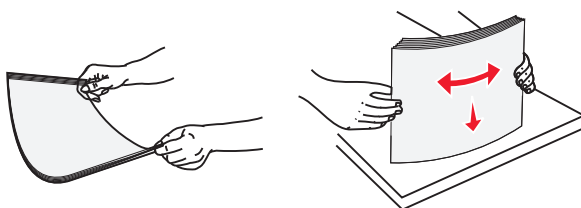


## Envelopes

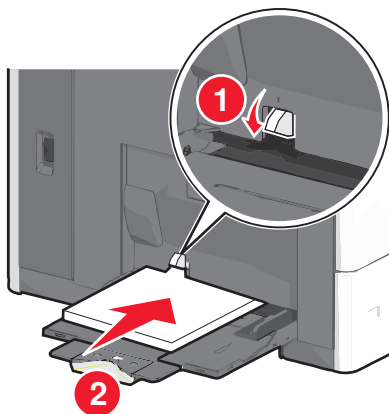


## Transparencies

**Note:** Avoid scratching or touching the print side.



- 4 Push the paper pick tab, and then load the paper or specialty media. Slide the stack gently into the multipurpose feeder until it comes to a stop, and then release the paper pick tab.

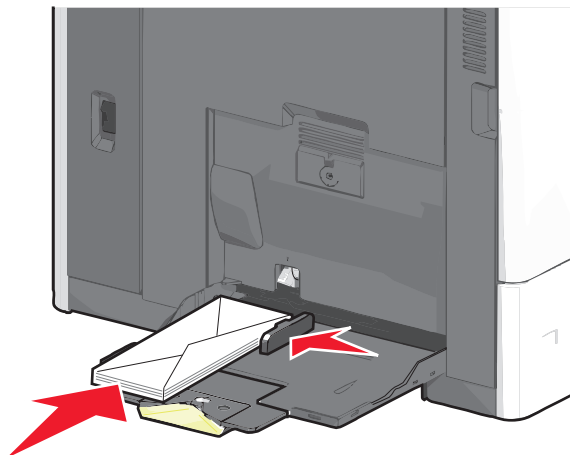


**Warning—Potential Damage:** Pulling the paper out, without pushing the paper pick tab first, may cause jams or the paper pick tab to break.

- Load paper and transparencies with the recommended print side facedown and the short edge entering the printer first.
- For duplex letterhead printing, place the letterhead faceup and the header entering the printer last.



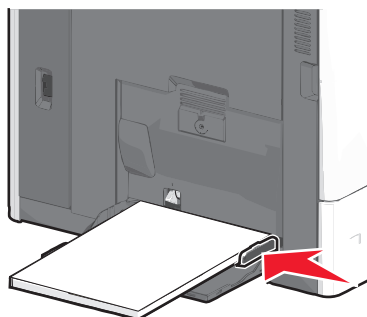
- Load envelopes with the flap side up and to the right.



**Warning—Potential Damage:** Never use envelopes with stamps, clasps, snaps, windows, coated linings, or self-stick adhesives. These envelopes may severely damage the printer.

**Notes:**

- Do not exceed the maximum stack height by forcing paper or transparencies under the stack height limiter.
  - Load only one size and type of paper at a time.
- 5 Adjust the width guide to lightly touch the edge of the stack. Make sure the paper or specialty media fits loosely in the multipurpose feeder, lies flat, and is not bent or wrinkled.



- 6 From the printer control panel, set the Paper Size and Paper Type for the multipurpose feeder (MP Feeder Size and MP Feeder Type) based on the paper or specialty media loaded.

## Linking and unlinking trays

### Linking trays

Tray linking is useful for large print jobs or multiple copies. When one linked tray is empty, paper feeds from the next linked tray. When the Paper Size and Paper Type settings are the same for any trays, the trays are automatically linked.

The printer automatically senses the Paper Size setting according to the position of the paper guides in each tray except the standard 550-sheet tray and the multipurpose feeder. The printer can sense A4, A5, JIS B5, Letter, Legal, Executive, and Universal paper sizes. The multipurpose feeder and trays using other paper sizes can be linked manually using the Paper Size menu available from the Paper Size/Type menu.

**Note:** To link the multipurpose feeder, Configure MP must be set to Cassette in the Paper menu in order for MP Feeder Size to appear as a menu item.

The Paper Type setting must be set for all trays from the Paper Type menu available from the Paper Size/Type menu.

## Unlinking trays

**Note:** Trays that do not have the same settings as any other tray are not linked.

Change one of the following tray settings:

- **Paper Type**  
Paper Type names describe the paper characteristics. If the name that best describes your paper is used by linked trays, assign a different Paper Type name to the tray, such as Custom Type [x], or define your own custom name.
- **Paper Size**  
Load a different paper size to automatically change the Paper Size setting for a tray. Paper Size settings for the multipurpose feeder are not automatic; they must be set manually from the Paper Size menu.

**Warning—Potential Damage:** Do not assign a Paper Type name that does not accurately describe the type of paper loaded in a tray. The temperature of the fuser varies according to the specified Paper Type. Prints may not be properly processed if an inaccurate Paper Type is selected.

## Linking exit bins

Link exit bins to create a single output source. The printer automatically uses the next available bin as the output source.

The standard exit bin holds up to 550 sheets of 20-lb paper. If you need additional output capacity, you can purchase other optional exit bins.

**Note:** Not all exit bins support every paper size and type.

- 1 From the home screen, navigate to:

 > **Paper Menu > Bin Setup**

- 2 Touch the bin or bins you want to link, and then touch **Configure Bins > Link**.

## Creating a custom name for a paper type

If the printer is on a network, you can use the Embedded Web Server to define a name other than Custom Type [x] for each of the custom paper types loaded into the printer.

- 1 Type the printer IP address into the address field of your Web browser.

**Note:** If you do not know the IP address of the printer, then you can:

- View the IP address on the printer control panel in the TCP/IP section under the Networks/Ports menu.
- Print a network setup page or the menu settings pages and locate the IP address in the TCP/IP section.

- 2 Click **Settings > Paper Menu > Custom Name > type a name > Submit**.

**Note:** This custom name will replace the Custom Type [x] name under the Custom Types and Paper Size and Type menus.

- 3 Click **Custom Types > select a paper type > Submit**.

## Assigning a custom paper type name

Assign a custom paper type name to a tray when linking or unlinking trays.

From the home screen, navigate to:



> **Paper Menu** > **Paper Size/Type** > select a custom paper type name > select a tray > **Submit**

## Configuring a custom name

If the printer is on a network, then you can use the Embedded Web Server to define a name other than Custom Type [x] for each of the custom paper types loaded into the printer.

- 1 Type the printer IP address in the address field of your Web browser.

**Note:** If you do not know the IP address of the printer, then you can:

- View the IP address on the printer control panel in the TCP/IP section under the Networks/Ports menu.
- Print a network setup page or the menu settings pages and locate the IP address in the TCP/IP section.

- 2 Click **Settings** > **Paper Menu** > **Custom Types** > select the custom name you want to configure > select a paper or specialty media type > **Submit**.

# Paper and specialty media guidelines

## Paper guidelines

### Paper characteristics

The following paper characteristics affect print quality and reliability. Consider these characteristics when evaluating new paper stock.

#### Weight

The printer can automatically feed paper weights from 60 to 176-g/m<sup>2</sup> (16 to 47-lb) bond grain long. Paper lighter than 60 g/m<sup>2</sup> (16 lb) might not be stiff enough to feed properly, causing jams. For best performance, use 75-g/m<sup>2</sup> (20-lb) bond grain long paper. For paper smaller than 182 x 257 mm (7 x 10 in.), we recommend 90-g/m<sup>2</sup> (24-lb) or heavier paper.

**Note:** Duplex is supported only for 75–176-g/m<sup>2</sup> (20–47-lb) bond paper.

#### Curl

Curl is the tendency for paper to curl at its edges. Excessive curl can cause paper feeding problems. Curl can occur after the paper passes through the printer, where it is exposed to high temperatures. Storing paper unwrapped in hot, humid, cold, or dry conditions, even in the trays, can contribute to paper curling prior to printing and can cause feeding problems.

#### Smoothness

Paper smoothness directly affects print quality. If paper is too rough, the toner cannot fuse to it properly. If paper is too smooth, it can cause paper feeding or print quality issues. Always use paper between 100 and 300 Sheffield points; however, smoothness between 150 and 200 Sheffield points produces the best print quality.

#### Moisture content

The amount of moisture in paper affects both print quality and the ability of the printer to feed the paper correctly. Leave paper in its original wrapper until it is time to use it. This limits the exposure of paper to moisture changes that can degrade its performance.

Condition paper before printing by storing it in its original wrapper in the same environment as the printer for 24 to 48 hours before printing. Extend the time several days if the storage or transportation environment is very different from the printer environment. Thick paper may also require a longer conditioning period.

#### Grain direction

Grain refers to the alignment of the paper fibers in a sheet of paper. Grain is either *grain long*, running the length of the paper, or *grain short*, running the width of the paper.

For 60–135-g/m<sup>2</sup> (16–36-lb) bond paper, grain long paper is recommended. For papers heavier than 135 g/m<sup>2</sup>, grain short is recommended.

## Fiber content

Most high-quality xerographic paper is made from 100% chemically treated pulped wood. This content provides the paper with a high degree of stability resulting in fewer paper feeding problems and better print quality. Paper containing fibers such as cotton can negatively affect paper handling.

## Selecting paper

Using appropriate paper prevents jams and helps ensure trouble-free printing.

To help avoid jams and poor print quality:

- *Always* use new, undamaged paper.
- Before loading paper, know the recommended print side of the paper. This information is usually indicated on the paper package.
- *Do not* use paper that has been cut or trimmed by hand.
- *Do not* mix paper sizes, types, or weights in the same source; mixing results in jams.
- *Do not* use coated papers unless they are specifically designed for electrophotographic printing.

## Selecting preprinted forms and letterhead

Use these guidelines when selecting preprinted forms and letterhead:

- Use grain long for 60 to 90 g/m<sup>2</sup> (16 to 24 lb) weight paper.
- Use only forms and letterhead printed using an offset lithographic or engraved printing process.
- Avoid papers with rough or heavily textured surfaces.

Use papers printed with heat-resistant inks designed for use in xerographic copiers. The ink must be able to withstand temperatures up to 190°C (374°F) without melting or releasing hazardous emissions. Use inks that are not affected by the resin in toner. Inks that are oxidation-set or oil-based generally meet these requirements; latex inks might not. When in doubt, contact the paper supplier.

Preprinted papers such as letterhead must be able to withstand temperatures up to 190°C (374°F) without melting or releasing hazardous emissions.

## Using recycled paper and other office papers

As an environmentally conscientious company, Lexmark supports the use of recycled paper produced specifically for use in laser (electrophotographic) printers.

While no blanket statement can be made that all recycled paper will feed well, Lexmark consistently tests papers that represent recycled cut size copier papers available on the global market. This scientific testing is conducted with rigor and discipline. Many factors are taken into consideration both separately and as a whole, including the following:

- Amount of post-consumer waste (Lexmark tests up to 100% post-consumer waste content.)
- Temperature and humidity conditions (Testing chambers simulate climates from all over the world.)
- Moisture content (Business papers should have low moisture: 4–5%.)
- Bending resistance and proper stiffness means optimum feeding through the printer.
- Thickness (impacts how much can be loaded into a tray)
- Surface roughness (measured in Sheffield units, impacts print clarity and how well toner fuses to the paper)
- Surface friction (determines how easily sheets can be separated)

- Grain and formation (impacts curling, which also influences the mechanics of how the paper behaves as it moves through the printer)
- Brightness and texture (look and feel)

Recycled papers are better than ever; however, the amount of recycled content in a paper affects the degree of control over foreign matter. And while recycled papers are one good path to printing in an environmentally responsible manner, they are not perfect. The energy required to de-ink and deal with additives such as colorants and “glue” often generates more carbon emissions than does normal paper production. However, using recycled papers enables better resource management overall.

Lexmark concerns itself with the responsible use of paper in general based on life cycle assessments of its products. To gain a better understanding of the impact of printers on the environment, the company commissioned a number of life cycle assessments and found that paper was identified as the primary contributor (up to 80%) of carbon emissions caused throughout the entire life of a device (from design to end-of-life). This is due to the energy-intensive manufacturing processes required to make paper.

Thus, Lexmark seeks to educate customers and partners on minimizing the impact of paper. Using recycled paper is one way. Eliminating excessive and unnecessary paper consumption is another. Lexmark is well-equipped to help customers minimize printing and copying waste. In addition, the company encourages purchasing paper from suppliers who demonstrate their commitment to sustainable forestry practices.

Lexmark does not endorse specific suppliers, although a converter’s product list for special applications is maintained. However, the following paper choice guidelines will help alleviate the environmental impact of printing:

- 1 Minimize paper consumption.
- 2 Be selective about the origin of wood fiber. Buy from suppliers who carry certifications such as the Forestry Stewardship Council (FSC) or The Program for the Endorsement of Forest Certification (PEFC). These certifications guarantee that the paper manufacturer uses wood pulp from forestry operators that employ environmentally and socially responsible forest management and restoration practices.
- 3 Choose the most appropriate paper for printing needs: normal 75 or 80 g/m<sup>2</sup> certified paper, lower weight paper, or recycled paper.

## Unacceptable paper examples

Test results indicate that the following paper types are at risk for use with laser printers:

- Chemically treated papers used to make copies without carbon paper, also known as *carbonless papers*
- Preprinted papers with chemicals that may contaminate the paper
- Preprinted papers that can be affected by the temperature in the printer fuser
- Preprinted papers that require a registration (the precise location on the page) greater than  $\pm 2.3$  mm ( $\pm 0.9$  in.), such as optical character recognition (OCR) forms. In some cases, registration can be adjusted with a software application to successfully print on these forms.)
- Coated papers (erasable bond), synthetic papers, thermal papers
- Rough-edged, rough or heavily textured surface papers or curled papers
- Recycled papers that fail EN12281:2002 (European testing)
- Paper weighing less than 60 g/m<sup>2</sup> (16 lb)
- Multiple part forms or documents

For more information about Lexmark, visit [www.lexmark.com](http://www.lexmark.com). General sustainability-related information can be found at the **Environmental Sustainability** link.

## Storing paper

Use these paper storage guidelines to help avoid jams and uneven print quality:

- For best results, store paper where the temperature is 21°C (70°F) and the relative humidity is 40%. Most label manufacturers recommend printing in a temperature range of 18 to 24°C (65 to 75°F) with relative humidity between 40 and 60%.
- Store paper in cartons when possible, on a pallet or shelf, rather than on the floor.
- Store individual packages on a flat surface.
- Do not store anything on top of individual paper packages.

## Supported paper sizes, types, and weights

The following tables provide information on standard and optional paper sources and the sizes, types, and weights of paper they support.

**Note:** To use a paper size that is unlisted, configure a Universal paper size.

### Supported paper sizes

Measurements apply to one-sided printing only. For two-sided printing, the minimum size is 139.7 x 210 mm (5.50 x 8.27 in.).

Paper size	Dimensions	Standard 550-sheet tray (Tray 1)	Optional 550-sheet tray	Optional 2,000-sheet tray	Multipurpose feeder	Duplexer
<b>A4</b>	210 x 297 mm (8.27 x 11.7 in.)	✓	✓	✓	✓	✓
<b>A5</b>	148 x 210 mm (5.83 x 8.27 in.)	✓	✓	x	✓	✓
<b>A6</b>	105 x 148 mm (4.13 x 5.83 in.)	x	x	x	✓	x
<b>JIS B5</b>	182 x 257 mm (7.17 x 10.1 in.)	✓	✓	x	✓	✓
<b>Letter</b>	215.9 x 279.4 mm (8.5 x 11 in.)	✓	✓	✓	✓	✓
<b>Legal</b>	215.9 x 355.6 mm (8.5 x 14 in.)	✓	✓	✓	✓	✓
<b>Executive</b>	184.2 x 266.7 mm (7.25 x 10.5 in.)	✓	✓	x	✓	✓
<b>Oficio (México)</b>	215.9 x 340.4 mm (8.5 x 13.4 in.)	✓	✓	x	✓	✓
<b>Folio</b>	215.9 x 330.2 mm (8.5 x 13 in.)	✓	✓	x	✓	✓

<sup>1</sup> This formats the envelope size setting for 215.9 x 355.6 mm (8.5 x 14 in.) unless the size is specified by the application.

Paper size	Dimensions	Standard 550-sheet tray (Tray 1)	Optional 550-sheet tray	Optional 2,000-sheet tray	Multipurpose feeder	Duplexer
<b>Statement</b>	139.7 x 215.9 mm (5.5 x 8.5 in.)	✓	✓	X	✓	✓
<b>Universal</b> <b>Note:</b> Turn off size sensing to support universal sizes that are close to standard media sizes.	76.2 x 76.2 mm (3 x 3 in.) to 215.9 x 355.6 mm (8.5 x 14 in.)	X	X	X	✓	X
	76.2 x 76.2 mm (3 x 3 in.) to 215.9 x 914.4 mm (8.5 x 36 in.)	X	X	X	✓	X
	76.2 x 76.2 mm (3 x 3 in.) to 215.9 x 1219.2 mm (8.5 x 48 in.)	X	X	X	✓	X
<b>7 3/4 Envelope (Monarch)</b>	98.4 x 190.5 mm (3.875 x 7.5 in.)	X	X	X	✓	X
<b>9 Envelope</b>	98.4 x 226.1 mm (3.875 x 8.9 in.)	X	X	X	✓	X
<b>Com 10 Envelope</b>	104.8 x 241.3 mm (4.12 x 9.5 in.)	X	X	X	✓	X
<b>DL Envelope</b>	110 x 220 mm (4.33 x 8.66 in.)	X	X	X	✓	X
<b>C5 Envelope</b>	162 x 229 mm (6.38 x 9.01 in.)	X	X	X	✓	X
<b>B5 Envelope</b>	176 x 250 mm (6.93 x 9.84 in.)	X	X	X	✓	X
<b>Other Envelope<sup>1</sup></b>	85.7 x 165 mm to 215.9 x 355.6 mm (3.375 x 6.50 in. to 8.5 x 14 in.)	X	X	X	✓	X

<sup>1</sup> This formats the envelope size setting for 215.9 x 355.6 mm (8.5 x 14 in.) unless the size is specified by the application.

## Supported paper types and weights

The printer supports 60–176 g/m<sup>2</sup> (16–47 lb) paper weights for one-sided printing. Two-sided printing is supported on 64–176 g/m<sup>2</sup> (17–47 lb) paper weights.

**Note:** Labels, transparencies, envelopes, and card stock always print at reduced speed.

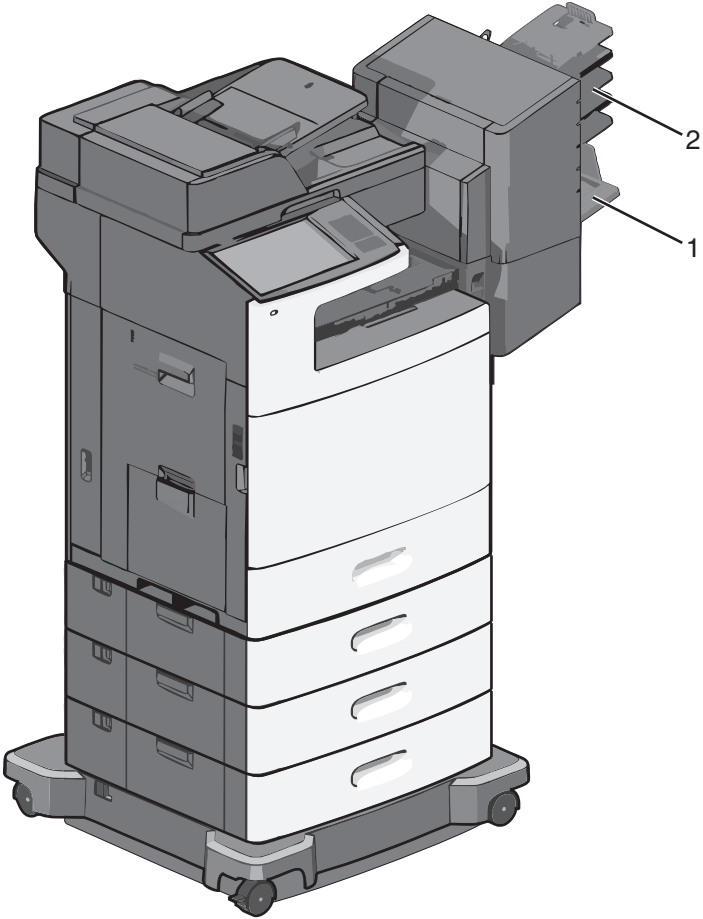


Paper type	Standard 550-sheet tray (Tray 1)	Optional 550-sheet tray	Optional 2,000-sheet tray	Multipurpose feeder	Duplexer
<b>Paper</b> <ul style="list-style-type: none"> <li>• Plain</li> <li>• Recycled</li> <li>• Glossy</li> <li>• Heavy Glossy</li> <li>• Bond</li> <li>• Letterhead</li> <li>• Preprinted</li> <li>• Colored</li> <li>• Light</li> <li>• Heavy</li> <li>• Rough/Cotton</li> <li>• Custom Type [x]</li> </ul>	✓	✓	✓	✓	✓
<b>Card stock</b>	✓	✓	x	✓	✓
<b>Transparencies<sup>1, 2</sup></b>	x	x	x	✓	x
<b>Labels<sup>3</sup></b> <ul style="list-style-type: none"> <li>• Paper</li> <li>• Vinyl</li> </ul>	✓	✓	x	✓	✓
<b>Envelopes<sup>4</sup></b>	x	x	x	✓	x
<sup>1</sup> This media is supported only in the multipurpose feeder. <sup>2</sup> Do not use inkjet or 3M CG3710 transparencies. <sup>3</sup> Paper labels are supported. Other media such as vinyl may show print quality defects in some environments, and prolonged vinyl label usage may reduce fuser life. For more information, see the <i>Card Stock &amp; Label Guide</i> available on the Lexmark Web site at <a href="http://support.lexmark.com">http://support.lexmark.com</a> . <sup>4</sup> Use envelopes that lie flat when individually placed facedown on a table.					

## Supported finishing features

The printer supports the following finishing features:

- 500-Sheet Offset Stacker
- 500-Sheet Staple Finisher
- 500-Sheet Staple, Hole Punch Finisher
- 5-bin mailbox



1	Standard bin
2	Finisher bin

### Standard bin

- The paper capacity is 500 sheets.
- Finishing options are not supported in this bin.
- Envelopes are routed here.

### Finisher bin

- The paper capacity is 500 sheets.
- Envelopes, A5, A6 and statement paper sizes are not supported in this bin.

Paper size	Two-hole punch	Three- or four-hole punch	5-bin mailbox	500-Sheet Staple Finisher
A4	✓	✓	✓	✓
A5	x	x	✓	x
Executive	✓	✓	✓	✓
Folio	✓	x	✓	✓

Paper size	Two-hole punch	Three- or four-hole punch	5-bin mailbox	500-Sheet Staple Finisher
JIS B5	✓	✓	✓	✓
Legal	✓	✓	✓	✓
Letter	✓	✓	✓	✓
Statement	x	x	✓	✓
Universal	x	x	✓	✓
Envelopes (any size)	x	x	✓	x
Oficio	✓	✓	✓	✓

# Printing

The selection and handling of paper and specialty media can affect how reliably documents print. For more information, see [“Avoiding jams” on page 231](#) and [“Storing paper” on page 75](#).

## Printing a document

### Printing a document

- 1 From the printer control panel Paper menu, set the Paper Type and Paper Size to match the loaded paper.
- 2 Send the print job:

#### For Windows users

- a With a document open, click **File > Print**.
- b Click **Properties, Preferences, Options, or Setup**.
- c Adjust settings as necessary.
- d Click **OK > Print**.

#### For Macintosh users

- a Customize the settings as needed in the Page Setup dialog:
  - 1 With a document open, choose **File > Page Setup**.
  - 2 Choose a paper size or create a custom size to match the loaded paper.
  - 3 Click **OK**.
- b Customize the settings as needed in the Print dialog:
  - 1 With a document open, choose **File > Print**.  
If necessary, click the disclosure triangle to see more options.
  - 2 From the Print dialog and pop-up menus, adjust the settings as needed.  
**Note:** To print on a specific paper type, adjust the paper type setting to match the loaded paper, or select the appropriate tray or feeder.
  - 3 Click **Print**.

## Printing in black and white

From the home screen, navigate to:

 > **Settings > Print Settings > Quality Menu > Print Mode > Black Only > Submit**

## Adjusting toner darkness

- 1 Type the printer IP address into the address field of your Web browser.

If you do not know the IP address of the printer, you can:

- View the IP address on the printer control panel in the TCP/IP section under the Networks/Ports menu.
- Print a network setup page or the menu settings pages and locate the IP address in the TCP/IP section.

**2** Click **Settings > Print Settings > Quality Menu > Toner Darkness**.

**3** Adjust the toner darkness setting.

**4** Click **Submit**.

## Printing from a mobile device

For the list of supported mobile devices and to download a compatible mobile printing application, visit <http://lexmark.com/mobile>.

**Note:** Mobile printing applications may also be available from your mobile device manufacturer.

## Printing from a flash drive

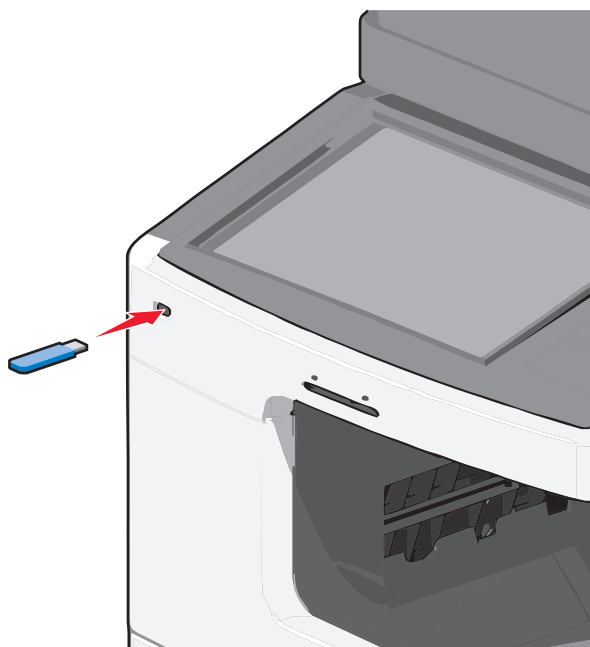
### Printing from a flash drive

#### Notes:

- Before printing an encrypted PDF file, enter the file password from the printer control panel.
- You cannot print files for which you do not have printing permissions.

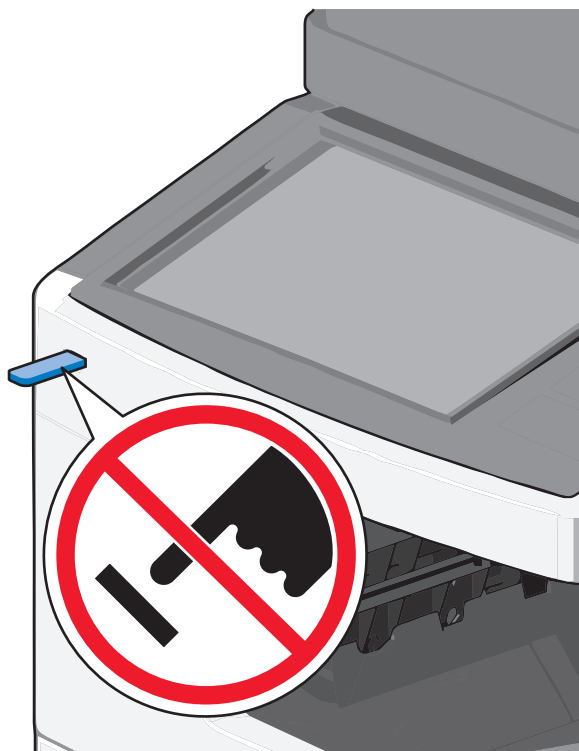
**1** Insert a flash drive into the USB port.

The USB Drive home screen appears.



**Notes:**

- If you insert the flash drive when the printer requires attention, such as when a jam has occurred, then the printer ignores the flash drive.
- If you insert the flash drive while the printer is processing other print jobs, then **Busy** appears. After these print jobs are processed, you may need to view the held jobs list to print documents from the flash drive.



**Warning—Potential Damage:** Do not touch the USB cable, any network adapter, any connector, the memory device, or the printer in the areas shown while actively printing, reading, or writing from the memory device. A loss of data can occur.

- 2 From the printer control panel, touch **Print from USB**, and then select the document you want to print.
- 3 Touch the arrows to increase the number of copies to print, and then touch **Print**.

**Notes:**

- Do not remove the flash drive from the USB port until the document has finished printing.
- If you leave the flash drive in the printer after leaving the initial USB menu screen, then you can still print files from the flash drive as held jobs.

## Supported flash drives and file types

**Notes:**

- High-speed USB flash drives must support the full-speed standard. Low-speed USB devices are not supported.
- USB flash drives must support the File Allocation Table (FAT) system. Devices formatted with New Technology File System (NTFS) or any other file system are not supported.

Recommended flash drives	File type
<ul style="list-style-type: none"> <li>• Lexar FireFly (512MB and 1GB)</li> <li>• SanDisk Cruzer Micro (512MB and 1GB)</li> <li>• Sony (512MB and 1GB)</li> </ul>	<p>Documents:</p> <ul style="list-style-type: none"> <li>• .pdf</li> <li>• .xps</li> </ul> <p>Images:</p> <ul style="list-style-type: none"> <li>• .dcx</li> <li>• .gif</li> <li>• .jpeg or .jpg</li> <li>• .bmp</li> <li>• .pcx</li> <li>• .tiff or .tif</li> <li>• .png</li> </ul>

## Printing on specialty media

### Tips on using letterhead

- Use letterhead designed specifically for laser printers.
- Print samples on the letterhead being considered for use before buying large quantities.
- Before loading letterhead, flex the sheets to prevent them from sticking together.
- Observe proper page orientation.

Source	Print side	Paper orientation
<ul style="list-style-type: none"> <li>– Standard 550-sheet tray</li> <li>– Optional 550-sheet tray</li> <li>– Optional 2000-sheet high-capacity feeder</li> </ul>	Preprinted letterhead design is placed faceup.	The top edge of the sheet with the logo is placed at the left side of the tray.
Duplex (two-sided) printing from trays	Preprinted letterhead design is placed facedown.	The top edge of the sheet with the logo is placed at the right side of the tray.
Multipurpose feeder (simplex printing)	Preprinted letterhead design is placed facedown.	The top edge of the sheet with the logo should enter the multipurpose feeder first.
Multipurpose feeder (duplex printing)	Preprinted letterhead design is placed faceup.	The top edge of the sheet with the logo should enter the multipurpose feeder last.
<b>Note:</b> Check with the manufacturer or vendor to determine whether the chosen preprinted letterhead is acceptable for laser printers.		

### Tips on using transparencies

- Print a test page on the transparencies being considered for use before buying large quantities.
- Feed transparencies from the multipurpose feeder only.
- From the Paper menu, set the MP Feeder Type to Transparency.

- Use transparencies designed specifically for laser printers. Transparencies must be able to withstand temperatures of 230°C (446°F) without melting, discoloring, offsetting, or releasing hazardous emissions.
- To prevent print quality problems, avoid getting fingerprints on the transparencies.
- Before loading transparencies, flex the stack to prevent sheets from sticking together.
- We recommend Lexmark transparencies. For ordering information, see the Lexmark Web site at [www.lexmark.com](http://www.lexmark.com).

## Tips on using envelopes

Print samples on the envelopes being considered for use before buying large quantities.

- Use envelopes designed specifically for laser printers. Check with the manufacturer or vendor to ensure that the envelopes can withstand temperatures up to 220°C (446°F) without sealing, wrinkling, curling excessively, or releasing hazardous emissions.
- For best performance, use envelopes made from 90-g/m<sup>2</sup> (24-lb bond) paper or 25% cotton. All-cotton envelopes must not exceed 70-g/m<sup>2</sup> (20-lb bond) weight.
- Use only new envelopes from undamaged packages.
- To optimize performance and minimize jams, do not use envelopes that:
  - Have excessive curl or twist.
  - Are stuck together or damaged in any way.
  - Have windows, holes, perforations, cutouts, or embossing.
  - Have metal clasps, string ties, or folding bars.
  - Have an interlocking design.
  - Have postage stamps attached.
  - Have any exposed adhesive when the flap is in the sealed or closed position.
  - Have bent corners.
  - Have rough, cockle, or laid finishes.
- Adjust the width guides to fit the width of the envelopes.

**Note:** A combination of high humidity (over 60%) and high printing temperature may wrinkle or seal envelopes.

## Tips on using labels

Print samples on the labels being considered for use before buying large quantities.

**Note:** Paper labels are supported. Other media such as vinyl may show print quality defects in some environments, and prolonged vinyl label usage may reduce fuser life.

For detailed information on label printing, characteristics, and design, see the *Card Stock & Label Guide* available on the Lexmark Web site at <http://support.lexmark.com>.

When printing on labels:

- Use labels designed specifically for laser printers. Check with the manufacturer or vendor to verify that:
  - The labels can withstand temperatures up to 190°C (374°F) without sealing, excessive curling, wrinkling, or releasing hazardous emissions.
  - Label adhesives, face sheet (printable stock), and topcoats can withstand up to 25 psi (172 kPa) pressure without delaminating, oozing around the edges, or releasing hazardous fumes.



- Do not use labels with slick backing material.
- Use full label sheets. Partial sheets may cause labels to peel off during printing, resulting in a jam. Partial sheets also contaminate the printer and the cartridge with adhesive, and could void the printer and cartridge warranties.
- Do not use labels with exposed adhesive.
- Do not print within 1 mm (0.04 in.) of the edge of the label, of the perforations, or between die-cuts of the label.
- Be sure adhesive backing does not reach to the sheet edge. Zone coating of the adhesive at least 1 mm (0.04 in.) away from edges is recommended. Adhesive material contaminates the printer and could void the warranty.
- If zone coating of the adhesive is not possible, remove a 1.6 mm (0.06 in.) strip on the leading and driver edge, and use a non-oozing adhesive.
- Portrait orientation works best, especially when printing bar codes.

## Tips on using card stock

Card stock is heavy, single-ply specialty media. Many of its variable characteristics, such as moisture content, thickness, and texture, can significantly impact print quality. Print samples on the card stock being considered for use before buying large quantities.

When printing on card stock:

- Make sure the Paper Type is Card Stock.
- Select the appropriate Paper Texture setting.
- Be aware that preprinting, perforation, and creasing may significantly affect the print quality and cause jams or other paper-handling problems.
- Check with the manufacturer or vendor to ensure the card stock can withstand temperatures up to 190°C (374°F) without releasing hazardous emissions.
- Do not use preprinted card stock manufactured with chemicals that may contaminate the printer. Preprinting introduces semi-liquid and volatile components into the printer.
- Use grain short card stock when possible.

## Printing confidential and other held jobs

### Storing print jobs in the printer

You can set the printer to store print jobs in the printer memory until you start the print job from the printer control panel.

All print jobs that can be initiated by the user at the printer are called *held jobs*.

**Note:** Confidential, Verify, Reserve, and Repeat print jobs may be deleted if the printer requires extra memory to process additional held jobs.

Print job type	Description
Confidential	Confidential lets you hold print jobs in the computer until you enter the PIN from the control panel. <b>Note:</b> The PIN is set from the computer. It must be four digits, using the numbers 0–9.
Verify	Verify lets you print one copy of a print job while the printer holds the remaining copies. It allows you to examine if the first copy is satisfactory. The print job is automatically deleted from the printer memory once all copies are printed.
Reserve	Reserve allows the printer to store print jobs for printing at a later time. The print jobs are held until deleted from the Help Jobs menu.
Repeat	Repeat prints <i>and</i> stores print jobs in the printer memory for reprinting.

## Printing confidential and other held jobs

**Note:** Confidential and Verify print jobs are automatically deleted from memory after printing. Repeat and Reserve jobs are held in the printer until you choose to delete them.

### For Windows Users

- 1 With a document open, click **File > Print**, and then click **Properties, Preferences, Options**, or **Setup**.
- 2 Click **Other Options > Print and Hold**.
- 3 Select the print job type (Confidential, Repeat, Reserve, or Verify), and then assign a user name. For a confidential print job, also enter a four-digit PIN.
- 4 Click **OK** or **Print**.
- 5 Go to the printer to release the print job.

From the home screen:

- For confidential print jobs, navigate to:  
**Held jobs > your user name > Confidential Jobs > your PIN > your print job name > number of copies > Print**
- For other print jobs, navigate to:  
**Held jobs > your user name > your print job name > number of copies > Print**

### For Macintosh users

- 1 With a document open, choose **File > Print**.  
If necessary, click the disclosure triangle to see more options.
- 2 From the print options or Copies & Pages pop-up menu, choose **Job Routing**.
- 3 Select your print job type (Confidential, Repeat, Reserve, or Verify), and then assign a user name. For a confidential print job, also enter a four-digit PIN.
- 4 Click **OK** or **Print**.
- 5 Go to the printer to release the print job.

From the home screen:

- For confidential print jobs, navigate to:  
**Held jobs** > your user name > **Confidential Jobs** > your PIN > your print job name > number of copies > **Print**
- For other print jobs, navigate to:  
**Held jobs** > your user name > your print job name > number of copies > **Print**

## Printing information pages

### Printing a font sample list

- 1 From the home screen, navigate to:


 > **Reports** > **Print Fonts**

- 2 Touch **PCL Fonts** or **PostScript Fonts**.

### Printing a directory list


A directory list shows the resources stored in a flash memory or on the printer hard disk.


From the home screen, navigate to:

 > **Reports** > **Print Directory**

## Canceling a print job

### Canceling a print job from the printer control panel

- 1 From the printer control panel, touch **Cancel Job** or press  on the keypad.
- 2 Touch the print job you want to cancel, and then touch **Delete Selected Jobs**.

**Note:** If you press  on the keypad, then touch **Resume** to return to the home screen.

### Canceling a print job from the computer

#### For Windows users


- 1 Open the printers folder.

##### In Windows 8

From the Search charm, type **run**, and then navigate to:

Apps list > **Run** > type **control printers** > **OK**

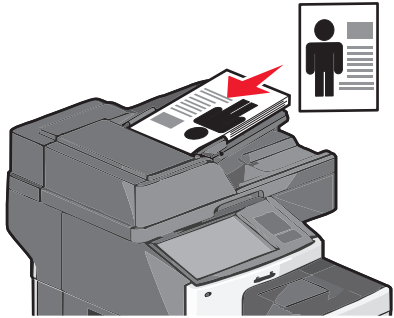
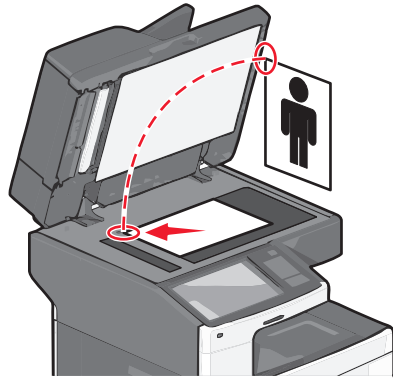
**In Windows 7 or earlier**

- a** Click  or click **Start**, and then click **Run**.
  - b** In the Start Search or Run dialog, type **control printers**.
  - c** Press **Enter**, or click **OK**.
- 2** Double-click the printer icon.
- 3** Select the print job you want to cancel.
- 4** Click **Delete**.

**For Macintosh users**


- 1** From the Apple menu, navigate to either of the following:
  - **System Preferences > Print & Scan > select your printer > Open Print Queue**
  - **System Preferences > Print & Fax > select your printer > Open Print Queue**
- 2** From the printer window, select the print job you want to cancel, and then delete it.

# Copying

Automatic document feeder (ADF)	Scanner glass
	
Use the ADF for multiple-page documents.	Use the scanner glass for single pages, small items (such as postcards or photos), transparencies, photo paper, or thin media (such as magazine clippings).

## Making copies

### Making a quick copy

- 1 Load an original document faceup, short edge first into the ADF or facedown on the scanner glass.  
**Note:** Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF. Place these items on the scanner glass.
- 2 Adjust the paper guides when loading a document into the ADF.  
**Note:** Make sure the size of the original document and the copy paper size are the same. Failure to set the proper size may result to a cropped image.
- 3 From the printer control panel, press  to start copying.



### Copying using the ADF

- 1 Load an original document faceup, short edge first into the ADF.  
**Note:** Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF. Place these items on the scanner glass.
- 2 Adjust the paper guides.
- 3 From the home screen, navigate to:  
**Copy > change the copy settings > Copy It**

## Copying using the scanner glass




- 1 Place an original document facedown on the scanner glass in the upper left corner.
- 2 From the home screen, navigate to:  
**Copy** > change the copy settings > **Copy It**
- 3 If you have more pages to scan, then place the next document on the scanner glass, and then touch **Scan the Next Page**.
- 4 Touch **Finish the Job** to return to the home screen.

## Copying film photos

- 1 Place a photo facedown on the upper left corner of the scanner glass.
- 2 From the home screen, navigate to:  
**Copy** > **Content** > **Photo** >  > **Photo/Film** >  > **Copy It** > **Scan the Next Page** or **Finish the Job**

## Copying on specialty media

### Copying on transparencies

- 1 Load an original document faceup, short edge first into the ADF or facedown on the scanner glass.  
**Note:** Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF. Place these items on the scanner glass.
- 2 If you are loading a document into the ADF, then adjust the paper guides.
- 3 From the home screen, navigate to:  
**Copy** > **Copy from** > size of the original document > 
- 4 Touch **Copy to**, and then select the tray that contains transparencies, or touch **Manual Feeder Size**.
- 5 Load transparencies in the multipurpose feeder.
- 6 From the home screen, navigate to:  
 > select the desired size of the transparencies > **Manual Feeder Type** >  > **Copy It**


### Copying on letterhead

- 1 Load an original document faceup, short edge first into the ADF or facedown on the scanner glass.  
**Note:** Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF. Place these items on the scanner glass.
- 2 If you are loading a document into the ADF, then adjust the paper guides.
- 3 From the home screen, navigate to:  
**Copy** > **Copy from** > size of the original document > **Copy to** > **Manual Feeder**



- 4 Place the letterhead faceup, top edge first in the multipurpose feeder.
- 5 Select the size of the letterhead.
- 6 Navigate to:  
**Continue > Letterhead > Continue > Copy It**

## Customizing copy settings

### Copying in black and white

- 1 Load an original document faceup, short edge first into the ADF or facedown on the scanner glass.  
**Note:** Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF. Place these items on the scanner glass.
- 2 If you are loading a document into the ADF, then adjust the paper guides.
- 3 From the home screen, navigate to:  
**Copy > Allow color copies > Off >  > Submit**

### Copying to a different size

- 1 Load an original document faceup, short edge first into the ADF or facedown on the scanner glass.  
**Note:** Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF. Place these items on the scanner glass.
- 2 If you are loading a document into the ADF, then adjust the paper guides.
- 3 On the home screen, touch **Copy**.
- 4 Touch **Copy from** > select the size of the original document > .
- 5 Touch **Copy to** > select the size of the copy > .
- Note:** The printer will scale the size automatically.
- 6 Touch **Copy It**.

### Making copies using paper from a selected tray

- 1 Load an original document faceup, short edge first into the ADF or facedown on the scanner glass.  
**Note:** Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF. Place these items on the scanner glass.
- 2 If you are loading a document into the ADF, then adjust the paper guides.
- 3 From the home screen, navigate to:  
**Copy > Copy from > size of the original document > Copy to**

- 4 Touch **Manual Feeder** or select the tray that contains the paper type you want to use.

**Note:** If you choose Manual Feeder, then you will also need to select the paper size and type.

- 5 Touch **Copy It**.

## Copying different paper sizes

Use the ADF to copy original documents with different paper sizes. Depending on the paper sizes loaded and the “Copy to” and “Copy from” settings, each copy is either printed on mixed paper sizes (Example 1) or scaled to fit a single paper size (Example 2).



### Example 1: Copying on mixed paper sizes

- 1 Load an original document faceup, short edge first into the ADF or facedown on the scanner glass.

**Note:** Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF. Place these items on the scanner glass.

- 2 If you are loading a document into the ADF, then adjust the paper guides.

- 3 From the home screen, navigate to:

**Copy > Copy from > Mixed Sizes >  > Copy to > Auto Size Match >  > Copy It**

The scanner identifies the different paper sizes as they are scanned. Copies are printed on mixed paper sizes corresponding to the paper sizes of the original document.

### Example 2: Copying on a single paper size

- 1 Load an original document faceup, short edge first into the ADF or facedown on the scanner glass.

**Note:** Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF. Place these items on the scanner glass.

- 2 If you are loading a document into the ADF, then adjust the paper guides.

- 3 From the home screen, navigate to:

**Copy > Copy from > Mixed Sizes >  > Copy to > Letter >  > Copy It**

The scanner identifies the different paper sizes as they are scanned, and then scales the mixed paper sizes to fit on the paper size selected.

## Copying on both sides of the paper (duplexing)

- 1 Load an original document faceup, short edge first into the ADF or facedown on the scanner glass.

**Note:** Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF. Place these items on the scanner glass.


- 2 If you are loading a document into the ADF, then adjust the paper guides.

- 3 On the home screen, touch **Copy**.



- 4 From the Sides (Duplex) area, touch the button for your preferred duplexing method.

The first number represents sides of the original documents; the second number represents sides of the copy. For example, select 1-sided to 2-sided if you have 1-sided original documents and you want 2-sided copies.

- 5 Touch , and then **Copy It**.


## Reducing or enlarging copies

Copies can be reduced to 25% of the original document size or enlarged to 400% of the original document size. The factory default setting for Scale is Auto. If you leave Scale set to Auto, the content of your original document will be scaled to fit the size of the paper onto which you are copying.

To reduce or enlarge a copy:

- 1 Load an original document faceup, short edge first into the ADF or facedown on the scanner glass.  
**Note:** Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF. Place these items on the scanner glass.
- 2 If you are loading a document into the ADF, then adjust the paper guides.
- 3 On the home screen, touch **Copy**.
- 4 From the Scale area, touch the arrows to enlarge or reduce your copies.  
Touching “Copy to” or “Copy from” after setting Scale manually changes the scale value back to Auto.
- 5 Touch **Copy It**.

## Adjusting copy quality

- 1 Load an original document faceup, short edge first into the ADF or facedown on the scanner glass.  
**Note:** Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF. Place these items on the scanner glass.
- 2 If you are loading a document into the ADF, then adjust the paper guides.
- 3 From the home screen, navigate to:  
**Copy > Content**
- 4 Touch the button that best represents the content type of the document you are copying:
  - **Text**—Use when the content of the original document is mostly text or line art.
  - **Graphic**—Use when the original document is mostly business-type graphics such as pie charts, bar charts, and animations.
  - **Text/Photo**—Use when the original document is a mixture of text, graphics, and photos.
  - **Photo**—Use when the original document is mostly a photo or an image.
- 5 Touch .
- 6 Touch the button that best represents the content source of the document you are copying:
  - **Color Laser**—Use when the original document was printed using a color laser printer.
  - **Black/White**—Use when the original document was printed using a black/white laser printer.
  - **Inkjet**—Use when the original document was printed using an inkjet printer.

- **Photo/Film**—Use when the original document is a photo from film.
- **Magazine**—Use when the original document is from a magazine.
- **Newspaper**—Use when the original document is from a newspaper.
- **Press**—Use when the original document was printed using a printing press.
- **Other**—Use when the original document was printed using an alternate or unknown printer.

7 Touch  > **Copy It.**

## Collating copies

If you print multiple copies of a document, then you can choose to print each copy as a set (collated) or to print the copies as groups of pages (not collated).

**Collated**



**Not collated**



By default, Collate is set to On. If you do not want to collate your copies, then change the setting to Off:

- 1 Load an original document faceup, short edge first into the ADF or facedown on the scanner glass.

**Note:** Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF. Place these items on the scanner glass.

- 2 If you are loading a document into the ADF, then adjust the paper guides.
- 3 From the home screen, navigate to:

**Copy** > enter the number of copies > **Collate** > **Off** >  > **Copy It**

## Placing separator sheets between copies

- 1 Load an original document faceup, short edge first into the ADF or facedown on the scanner glass.

**Note:** Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF. Place these items on the scanner glass.

- 2 If you are loading a document into the ADF, then adjust the paper guides.
- 3 From the home screen, navigate to:

**Copy** > **Advanced Options** > **Separator Sheets**

**Note:** Collate must be set to On for the separator sheets to be placed between copies. If Collate is set to Off, then the separator sheets are added to the end of the print job.

- 4 Select one of the following:

- **Between Copies**
- **Between Jobs**

- **Between Pages**
- **None**

5 Touch , and then **Copy It**.

## Copying multiple pages onto a single sheet

In order to save paper, you can copy either two or four consecutive pages of a multiple-page document onto a single sheet of paper.

### Notes:

- The Paper Size must be set to Letter, Legal, A4, or JIS B5.
- The Copy Size must be set to 100%.

1 Load an original document faceup, short edge first into the ADF or facedown on the scanner glass.

**Note:** Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF. Place these items on the scanner glass.

2 If you are loading a document into the ADF, then adjust the paper guides.

3 From the home screen, navigate to:

**Copy > Advanced Options > Paper Saver > select desired output >  > Copy It**

## Creating a custom copy job (job build)

The custom copy job or job build is used to combine one or more sets of original documents into a single copy job. Each set may be scanned using different job parameters. When a copy job is submitted and Custom Job is enabled, the scanner scans the first set of original documents using the supplied parameters, and then it scans the next set with the same or different parameters.

The definition of a set depends on the scan source:

- If you scan a document on the scanner glass, then a set consists of one page.
- If you scan multiple pages using the ADF, then a set consists of all scanned pages until the ADF becomes empty.
- If you scan one page using the ADF, then a set consists of one page.

For example:

1 Load an original document faceup, short edge first into the ADF or facedown on the scanner glass.

**Note:** Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF. Place these items on the scanner glass.

2 If you are loading a document into the ADF, then adjust the paper guides.

3 From the home screen, navigate to:

**Copy > Options > Custom Job > On > Done > Copy It**

When the end of a set is reached, the scan screen appears.


- 4 Load the next document faceup, short edge first into the ADF or facedown on the scanner glass, and then touch **Scan the Automatic Document Feeder** or **Scan the flatbed**.

**Note:** If required, change the job settings.

- 5 If you have another document to scan, then repeat the previous step. Otherwise, touch **Finish the job**.


## Placing information on copies

### Placing the date and time at the top of each page

- 1 Load an original document faceup, short edge first into the ADF or facedown on the scanner glass.  
**Note:** Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF. Place these items on the scanner glass.
- 2 If you are loading a document into the ADF, then adjust the paper guides.
- 3 From the home screen, navigate to:  
**Copy > Advanced Options > Header/Footer**
- 4 Pick an area of the page where you want to place the date and time.
- 5 Touch **Yes** or **No** >  > **Copy It**.

### Placing an overlay message on each page

An overlay message can be placed on each page. The message choices are Urgent, Confidential, Copy, Custom or Draft. To place a message on the copies:

- 1 Load an original document faceup, short edge first into the ADF or facedown on the scanner glass.  
**Note:** Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF. Place these items on the scanner glass.
- 2 If you are loading a document into the ADF, then adjust the paper guides.
- 3 From the home screen, navigate to:  
**Copy > Advanced Options > Overlay > select overlay message > **.
- 4 Touch **Copy It**.

## Canceling a copy job

### Canceling a copy job while the document is in the ADF

When the ADF begins processing a document, the scanning screen appears. To cancel the copy job, touch **Cancel Job** on the touch screen.


A “Canceling scan job” screen appears. The ADF clears all pages in the ADF and cancels the job.


## Canceling a copy job while copying pages using the scanner glass

Touch **Cancel Job** on the touch screen.

A “Canceling scan job” screen appears. Once the job is canceled, the copy screen appears.

## Canceling a copy job while pages are being printed

- 1 From the printer control panel, touch **Cancel Job** or press  on the keypad.
- 2 Touch the job you want to cancel, and then touch **Delete Selected Jobs**.

**Note:** If you press  on the keypad, then touch **Resume** to return to the home screen.

## Understanding the copy screens and options

### Copy from

This option opens a screen where you can enter the paper size of the original document.

- Touch a paper size that matches the original document.
- Touch **Mixed Sizes** to copy an original document that contains mixed paper sizes with the same width.
- Touch **Auto Size Sense** to allow the scanner to automatically determine the size of the original document.

### Copy to

This option opens a screen where you can enter the paper size and type on which your copies will be printed.

- Touch the paper size and type that matches the paper loaded.
- If the settings for “Copy from” and “Copy to” are different, then the printer automatically adjusts the Scale setting to accommodate the difference.
- If the paper type or size that you want to copy onto is not loaded in one of the trays, then touch **Manual Feeder**, and manually load the paper in the multipurpose feeder.
- When “Copy to” is set to Auto Size Match, each copy matches the paper size of the original document. If a matching paper size is not in one of the trays, then **Paper size not found** appears and prompts to load a paper in a tray or multipurpose feeder.

### Copies

This option allows you to set the number of copies to be printed.

## Scale

This option creates an image from your copy that is proportionally scaled anywhere between 25% and 400%. Scale can also be set for you automatically.

- When you want to copy from one size of paper to another, such as from legal-size to letter-size paper, setting the “Copy from” and “Copy to” paper sizes automatically changes the scale to keep all the original document information on your copy.
- Touch the left arrow to decrease the value by 1%; touch the right arrow to increase the value by 1%.
- Hold your finger on an arrow to make a continuous increment change.
- Hold your finger on an arrow for two seconds to cause the pace of the change to accelerate.

## Darkness

This option adjusts how light or dark your copies will turn out in relation to the original document.

## Sides (Duplex)

Use this option to select duplex settings. You can print copies on one or two sides, make two-sided copies (duplex) of two-sided original documents, make two-sided copies from one-sided original documents, or make one-sided copies (simplex) from two-sided original documents.

## Collate

This option keeps the pages of a print job stacked in sequence when printing multiple copies of the document. The factory default setting for Collate is on; the output pages of your copies will be ordered (1,2,3) (1,2,3) (1,2,3). If you want all the copies of each page to remain together, turn Collate off, and your copies will be ordered (1,1,1) (2,2,2) (3,3,3).

## Content

This option lets you set the original document type and source.

Choose content type from Text, Text/Photo, Photo, or Graphics.

- **Text**—Use when the content of the original document is mostly text or line art.
- **Graphics**—Use when the original document is mostly business-type graphics such as pie charts, bar charts, and animations.
- **Text/Photo**—Use when the original document is a mixture of text, graphics, and photos.
- **Photo**—Use when the original document is mostly a photo or an image.

Choose content source from Color Laser, Black/White Laser, Inkjet, Photo/Film, Magazine, Newspaper, Press, or Other.

- **Color Laser**—Use when the original document was printed using a color laser printer.
- **Black/White Laser**—Use when the original document was printed using a mono laser printer.
- **Inkjet**—Use when the original document was printed using an inkjet printer.
- **Photo/Film**—Use when the original document is a photo from film.
- **Magazine**—Use when the original document is from a magazine.
- **Newspaper**—Use when the original document is from a newspaper.

- **Press**—Use when the original document was printed using a printing press.
- **Other**—Use when the original document was printed using an alternate or unknown printer.

## Color

This option enables or disables color for the scanned image.

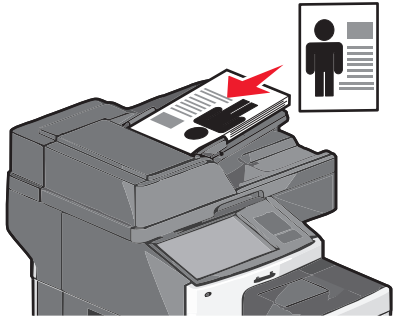
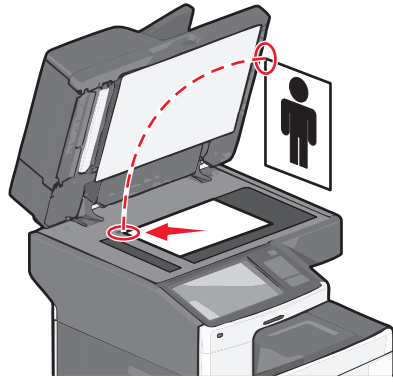
## Using the advanced options

These options, among other things, allow you to customize the advanced imaging settings, combine multiple jobs into one, and clean the edges of the document.

## Save As Shortcut

This option allows the current settings to be saved as a shortcut by assigning a number.

## E-mailing

Automatic document feeder (ADF)	Scanner glass
	
Use the ADF for multiple-page documents.	Use the scanner glass for single pages, small items (such as postcards or photos), transparencies, photo paper, or thin media (such as magazine clippings).

You can use the printer to e-mail scanned documents to one or more recipients. There are three ways to send an e-mail from the printer. You can type the e-mail address, use a shortcut number, or use the address book.

## Getting ready to e-mail

### Setting up the e-mail function

- 1 Type the printer IP address into the address field of your Web browser.  
If you do not know the IP address of the printer, you can:
  - View the IP address on the printer control panel in the TCP/IP section under the Networks/Ports menu.
  - Print a network setup page or the menu settings pages and locate the IP address in the TCP/IP section.
- 2 Click **Settings**.
- 3 Under Default Settings, click **E-mail/FTP Settings**.
- 4 Click **E-mail Settings** > **Setup E-mail Server**.
- 5 Fill in the fields with the appropriate information.
- 6 Click **Submit**.

### Configuring e-mail settings

- 1 Type the printer IP address into the address field of your Web browser.  
If you do not know the IP address of the printer, you can:
  - View the IP address on the printer control panel in the TCP/IP section under the Networks/Ports menu.
  - Print a network setup page or the menu settings pages and locate the IP address in the TCP/IP section.




- 2 Click **Settings** > **E-mail/FTP Settings** > **E-mail Settings**.
- 3 Fill in the fields with the appropriate information.
- 4 Click **Submit**.

## Creating an e-mail shortcut

### Creating an e-mail shortcut using the Embedded Web Server


- 1 Type the printer IP address into the address field of your Web browser.  
If you do not know the IP address of the printer, you can:
  - View the IP address on the printer control panel in the TCP/IP section under the Networks/Ports menu.
  - Print a network setup page or the menu settings pages and locate the IP address in the TCP/IP section.
- 2 Click **Settings**.
- 3 Under Other Settings, click **Manage Shortcuts** > **E-mail Shortcut Setup**.
- 4 Type a unique name for the recipient, and then enter the e-mail address.  
**Note:** If you are entering multiple addresses, then separate each address with a comma (,).
- 5 Select the scan settings (Format, Content, Color, and Resolution).
- 6 Enter a shortcut number, and then click **Add**.  
If you enter a number that is already in use, then you are prompted to select another number.

### Creating an e-mail shortcut using the touch screen



- 1 From the home screen, navigate to:  
**E-mail** > **Recipient** > type an e-mail address  
To create a group of recipients, touch **Next address**, and then type the next recipient's e-mail address.
- 2 Touch .
- 3 Type a unique name for the shortcut, and then touch **Done**.
- 4 Verify that the shortcut name and number are correct, and then touch **OK**.  
If the name or number is incorrect, then touch **Cancel**, and then reenter the information.

## E-mailing a document


### Sending an e-mail using the touch screen

- 1 Load an original document faceup, short edge first into the ADF or facedown on the scanner glass.  
**Note:** Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF. Place these items on the scanner glass.
- 2 If you are loading a document into the ADF, then adjust the paper guides.  
**Note:** Make sure the size of the original document and the copy paper size are the same. Failure to set the proper size may result to a cropped image.
- 3 From the home screen, navigate to:  
**E-mail > Recipient**
- 4 Enter the e-mail address, or press  and then enter the shortcut number.  
To enter additional recipients, touch **Next Address**, and then enter the address or shortcut number you want to add.  
**Note:** You can also enter an e-mail address using the address book.
- 5 Touch **Done > Send It**.

### Sending an e-mail using a shortcut number

- 1 Load an original document faceup, short edge first into the ADF or facedown on the scanner glass.  
**Note:** Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF. Place these items on the scanner glass.
- 2 If you are loading a document into the ADF, then adjust the paper guides.
- 3 Press , enter the shortcut number using the keypad, and then touch .  
To enter additional recipients, touch **Next address**, and then enter the address or shortcut number you want to add.
- 4 Touch **Send It**.

### Sending an e-mail using the address book

- 1 Load an original document faceup, short edge first into the ADF or facedown on the scanner glass.  
**Note:** Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF. Place these items on the scanner glass.
- 2 If you are loading a document into the ADF, then adjust the paper guides.
- 3 From the home screen, navigate to:  
**E-mail > Recipient(s) >  > enter the name of recipient > Browse shortcuts**

- 4 Touch the name of the recipients.

To enter additional recipients, touch **Next address**, and then enter the address or shortcut number you want to add, or search the address book.

- 5 Touch **Done**.

## Customizing e-mail settings


### Adding e-mail subject and message information

- 1 Load an original document faceup, short edge first into the ADF or facedown on the scanner glass.

**Note:** Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF. Place these items on the scanner glass.

- 2 If you are loading a document into the ADF, then adjust the paper guides.
- 3 From the home screen, touch **E-mail**.
- 4 Type an e-mail address.
- 5 Touch **Options > Subject**.
- 6 Type the e-mail subject.
- 7 Touch **Done > Message**.
- 8 Type an e-mail message.
- 9 Touch **Done > E-mail It**.

### Changing the output file type

- 1 Load an original document into the ADF tray or on the scanner glass.
- 2 From the home screen, navigate to:  
**E-mail > Recipient(s) > type the e-mail address > Done > Send as**
- 3 Select the file type you want to send.  
**Note:** If you select Secure PDF, then you will be prompted to enter your password twice.
- 4 Touch  **> Send It**.

## Canceling an e-mail

- When using the ADF, touch **Cancel Job** while **Scanning...** appears.
- When using the scanner glass, touch **Cancel Job** while **Scanning...** appears or while **Scan the Next Page / Finish the Job** appears.

## Understanding the e-mail options

### Recipients

This option lets you enter the destination of your e-mail. You may enter multiple e-mail addresses.

### Subject

This option lets you enter a subject line for your e-mail.

### Message

This option lets you enter a message that will be sent with your scanned attachment.

### File Name

This option lets you customize the attachment file name.

### Original Size

This option opens a screen where you can choose the size of the documents you are going to e-mail.

- Touch a paper size button to select that size as the Original Size setting. The e-mail screen appears with the new setting displayed.
- When “Original Size” is set to Mixed Sizes, you can scan an original document that contains mixed paper sizes.
- When “Original Size” is set to Auto Size Sense, the scanner automatically determines the size of the original document.

### Resolution

Adjusts the output quality of your e-mail. Increasing the image resolution increases the e-mail file size and the time needed to scan your original document. Image resolution can be decreased to reduce the e-mail file size.

### Color

This option sets the output color for the scanned image. Touch to enable or disable color.

### Content

This option lets you specify the content type and source of the original document.

Choose content type from Text, Text/Photo, Photo, or Graphics.

- **Text**—Use when the content of the original document is mostly text or line art.
- **Graphics**—Use when the original document is mostly business-type graphics such as pie charts, bar charts, and animations.

- **Text/Photo**—Use when the original document is a mixture of text, graphics, and photos.
- **Photo**—Use when the original document is mostly a photo or an image.

Choose content source from Color Laser, Black/White Laser, Inkjet, Photo/Film, Magazine, Newspaper, Press, or Other.

- **Color Laser**—Use when the original document was printed using a color laser printer.
- **Black/White Laser**—Use when the original document was printed using a mono laser printer.
- **Inkjet**—Use when the original document was printed using an inkjet printer.
- **Photo/Film**—Use when the original document is a photo from film.
- **Magazine**—Use when the original document is from a magazine.
- **Newspaper**—Use when the original document is from a newspaper.
- **Press**—Use when the original document was printed using a printing press.
- **Other**—Use when the original document was printed using an alternate or unknown printer.

## Darkness

This option adjusts how light or dark your scanned documents will turn out in relation to the original document.

## Send As

This option lets you set the output type for the scan image.

Select one of the following:

- **PDF**—Use this to create a single file with multiple pages. This can be sent as a secured or compressed file.
- **TIFF**—Use this to create multiple files or a single file. If Multi-page TIFF is turned off in the Settings menu of the Embedded Web Server, then TIFF saves one page in each file. The file size is usually larger than an equivalent JPEG.
- **JPEG**—Use this to create and attach a separate file for each page of your original document.
- **XPS**—Use this to create a single XPS file with multiple pages.
- **RTF**—Use this to create a file in editable format.
- **TXT**—Use this to create an ASCII text file with no formatting.

## Page Setup

This option lets you change the Sides (Duplex), Orientation, and Binding.

- **Sides (Duplex)**— Specifies if the original document is simplex (printed on one page) or duplex (printed on both sides). This also identifies what needs to be scanned for inclusion in the e-mail.
- **Orientation**— Specifies the orientation of the original document, and then changes **Sides** and **Binding** to match the orientation.
- **Binding**— Specifies if the original document is bound on the long-edge or short-edge side.

## Scan Preview

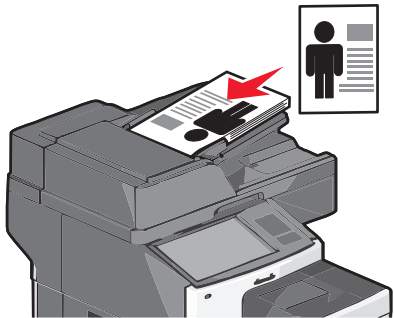
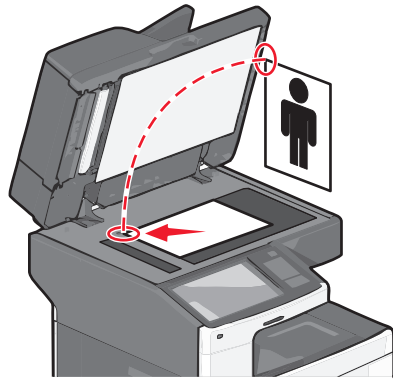
This option displays the first page of the image before it is included in the e-mail. When the first page is scanned, the scanning is paused and a preview image appears.

## Using the advanced options


These options, among other things, allow you to customize advanced imaging settings, combine multiple jobs into one, and clean the edges of a document.

# Faxing

**Note:** Faxing is applicable only in some printer models.

Automatic document feeder (ADF)	Scanner glass
	
Use the ADF for multiple-page documents.	Use the scanner glass for single pages, small items (such as postcards or photos), transparencies, photo paper, or thin media (such as magazine clippings).

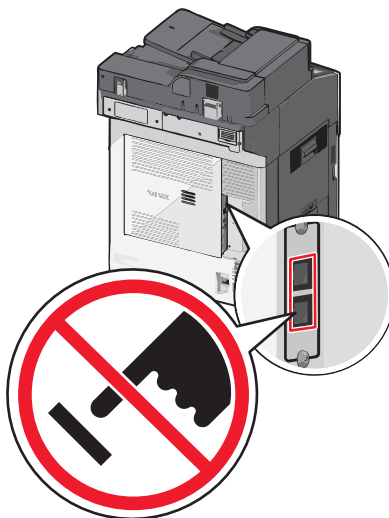
## Getting the printer ready to fax

 **CAUTION—SHOCK HAZARD:** Do not use the fax feature during a lightning storm. Do not set up this product or make any electrical or cabling connections, such as the fax feature, power cord, or telephone, during a lightning storm.

**Notes:**

- The following connection methods are applicable only in some countries or regions.
- During the initial printer setup, clear the fax function check box and any other function you plan to set up later, and then touch **Continue**.
- The indicator light may blink red if the fax function is enabled and not fully set up.

**Warning—Potential Damage:** Do not touch cables or the printer in the area shown while actively sending or receiving a fax.



## Initial fax setup

Many countries and regions require outgoing faxes to contain the following information in a margin at the top or bottom of each transmitted page, or on the first page of the transmission: station name (identification of the business, other entity, or individual sending the message) and station number (telephone number of the sending fax machine, business, other entity, or individual).

To enter your fax setup information, use the printer control panel, or use your browser to access the Embedded Web Server and then enter the Settings menu.

**Note:** If you do not have a TCP/IP environment, then you must use the printer control panel to enter your fax setup information.

## Using the printer control panel for fax setup

When the printer is turned on for the first time or if the printer has been off for an extended time, a series of start-up screens appear. If the printer has fax capabilities, then the following screens appear:

Fax Name or Station Name

Fax Number or Station Number

- 1 When **Fax Name** or **Station Name** appears, enter the name to be printed on all outgoing faxes.
- 2 After entering the Fax Name or Station Name, touch **Submit**.
- 3 When **Fax Number** or **Station Number** appears, enter the printer fax number.
- 4 After entering the Fax Number or Station Number, touch **Submit**.

## Using the Embedded Web Server for fax setup

- 1 Type the printer IP address into the address field of your Web browser.

If you do not know the IP address of the printer, you can:

- View the IP address on the printer control panel in the TCP/IP section under the Networks/Ports menu.
- Print a network setup page or the menu settings pages and locate the IP address in the TCP/IP section.

- 2 Click **Settings > Fax Settings > Analog Fax Setup**.



- 3 In the Fax Name or Station Name field, enter the name to be printed on all outgoing faxes.
- 4 In the Fax Number or Station Number field, enter the printer fax number.
- 5 Click **Submit**.

## Choosing a fax connection


### Notes:

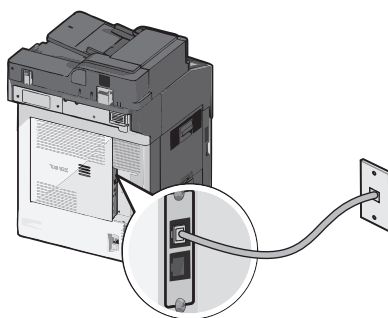
- The printer is an analog device that works best when directly connected to the telephone wall outlet. Other devices (such as a telephone or answering machine) can be successfully attached to pass through the printer, as described in the setup steps.
- If you want a digital connection such as ISDN, DSL, or ADSL, then a third-party device (such as a DSL filter) is required. Contact your DSL provider for a DSL filter. The DSL filter removes the digital signal on the telephone line that can interfere with the ability of the printer to fax properly.
- You *do not* need to attach the printer to a computer, but you *do* need to connect it to an analog telephone line to send and receive faxes.

Equipment and service options	Fax connection setup
Connect directly to the telephone line.	See <a href="#">“Connecting to an analog telephone line” on page 109</a> .
Connect to a Digital Subscriber Line (DSL or ADSL) service.	See <a href="#">“Connecting to a DSL service” on page 110</a> .
Connect to a Private Branch eXchange (PBX) or Integrated Services Digital Network (ISDN) system.	See <a href="#">“Connecting to a PBX or ISDN system” on page 110</a> .
Use a Distinctive Ring service.	See <a href="#">“Connecting to a distinctive ring service” on page 111</a> .
Connect through an adapter used in your area.	See <a href="#">“Connecting to an adapter for your country or region” on page 111</a> .

## Connecting to an analog telephone line


If your telecommunications equipment uses a US-style (RJ11) telephone line, then follow these steps to connect the equipment:

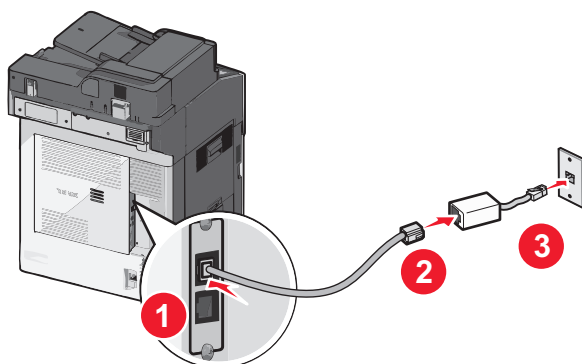
- 1 Connect one end of the telephone cable that came with the printer to the printer LINE port .
- 2 Connect the other end of the telephone cable to an active analog telephone wall jack.



## Connecting to a DSL service


If you subscribe to a DSL service, then contact the DSL provider to obtain a DSL filter and telephone cord, and then follow these steps to connect the equipment:

- 1 Connect one end of the telephone cable that came with the printer to the printer LINE port .
- 2 Connect the other end of the telephone cable to the DSL filter.  
**Note:** Your DSL filter may look different than the one in the illustration.
- 3 Connect the DSL filter cable to an active telephone wall jack.



## Connecting to a PBX or ISDN system

If you use a PBX or ISDN converter or terminal adapter, then follow these steps to connect the equipment:


- 1 Connect one end of the telephone cable that came with the printer to the printer LINE port .
- 2 Connect the other end of the telephone cable to the port designated for fax and telephone use.

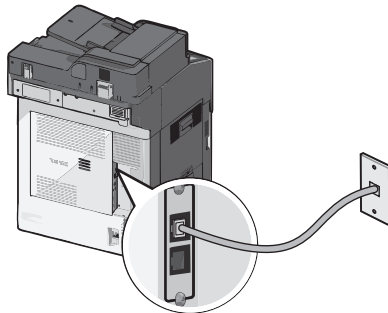
**Notes:**

- Make sure the terminal adapter is set to the correct switch type for your region.
- Depending on the ISDN port assignment, you may have to connect to a specific port.
- When using a PBX system, make sure the call waiting tone is off.
- When using a PBX system, dial the outside line prefix before dialing the fax number.
- For more information on using the fax with a PBX system, see the documentation that came with your PBX system.

## Connecting to a distinctive ring service

A distinctive ring service may be available from your telephone service provider. This service allows you to have multiple telephone numbers on one telephone line, with each telephone number having a different ring pattern. This may be useful for distinguishing between fax and voice calls. If you subscribe to a distinctive ring service, then follow these steps to connect the equipment:

- 1 Connect one end of the telephone cable that came with the printer to the printer LINE port .
- 2 Connect the other end of the telephone cable to an active analog telephone wall jack.



- 3 Change the Distinctive Rings setting to match the setting you want for the printer to answer:

**Note:** The factory default setting for distinctive rings is **On**. This allows the printer to answer single, double, and triple ring patterns.

- a From the home screen, navigate to:

 > **Settings** > **Fax Settings** > **Analog Fax Settings** > **Distinctive Rings**

- b Select the pattern setting you want to change, and then touch **Submit**.


## Connecting to an adapter for your country or region

The following countries or regions may require a special adapter to connect the telephone cable to the active telephone wall jack:

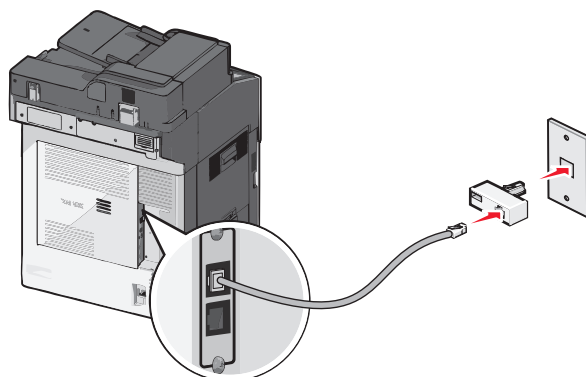
### Country/Region

- Austria
- Cyprus
- Denmark
- Finland
- France
- Germany
- Ireland
- Italy
- New Zealand
- Netherlands
- Norway
- Portugal
- Sweden
- Switzerland
- United Kingdom

For some countries or regions, a telephone line adapter is included in the box. Use this adapter to connect an answering machine, telephone, or other telecommunications equipment to the printer.

- 1 Connect one end of the telephone cable that came with the printer to the printer LINE port .
- 2 Connect the other end of the telephone cable to the adapter, and then connect the adapter to the active telephone wall jack.

**Note:** Your telephone adapter may look different than the one shown. It will fit the wall jack used in your location.



## Setting the outgoing fax or station name and number

- 1 Type the printer IP address into the address field of your Web browser.

If you do not know the IP address of the printer, you can:

- View the IP address on the printer control panel in the TCP/IP section under the Networks/Ports menu.
- Print a network setup page or the menu settings pages and locate the IP address in the TCP/IP section.

- 2 Click **Settings > Fax Settings > Analog Fax Setup**.

- 3 In the Fax Name or Station Name field, enter the name to be printed on all outgoing faxes.

- 4 In the Fax Number or Station Number field, enter the printer fax number.

- 5 Click **Submit**.

## Setting the date and time

You can set the date and time so that they are printed on every fax you send. If there is a power failure, then you may have to reset the date and time.

- 1 Type the printer IP address in the address field of your Web browser.

If you do not know the IP address of the printer, then you can:

- View the IP address on the printer control panel in the TCP/IP section under the Networks/Ports menu.
- Print a network setup page or the menu settings pages and locate the IP address in the TCP/IP section.

- 2 Click **Security > Set Date and Time**.

- 3 In the Set Date & Time field, enter the current date and time.

- 4 Click **Submit**.

**Note:** It is recommended to use the network time.

## Configuring the printer to observe daylight saving time

The printer can be set to automatically adjust for daylight saving time:

- 1 Type the printer IP address in the address field of your Web browser.  
If you do not know the IP address of the printer, then you can:
  - View the IP address on the printer control panel in the TCP/IP section under the Networks/Ports menu.
  - Print a network setup page or the menu settings pages and locate the IP address in the TCP/IP section.
- 2 Click **Security > Set Date and Time**.
- 3 Select the **Automatically Observe DST** checkbox, and then enter the DST start and end dates in the Custom Time Zone Setup section.
- 4 Click **Submit**.

## Creating shortcuts

### Creating a fax destination shortcut using the Embedded Web Server

Instead of entering the entire phone number of a fax recipient on the printer control panel each time you want to send a fax, you can create a permanent fax destination and assign a shortcut number. A shortcut can be created to a single fax number or a group of fax numbers.

- 1 Type the printer IP address into the address field of your Web browser.  
If you do not know the IP address of the printer, you can:
  - View the IP address on the printer control panel in the TCP/IP section under the Networks/Ports menu.
  - Print a network setup page or the menu settings pages and locate the IP address in the TCP/IP section.
- 2 Click **Settings > Manage Shortcuts > Fax Shortcut Setup**.  
**Note:** A password may be required. If you do not have an ID and password, get one from your system support person.
- 3 Type a unique name for the shortcut, and then enter the fax number.  
To create a multiple-number shortcut, enter the fax numbers for the group.  
**Note:** Separate each fax number in the group with a semicolon (;).
- 4 Assign a shortcut number.  
If you enter a number that is already in use, then you are prompted to select another number.
- 5 Click **Add**.

### Creating a fax destination shortcut using the touch screen


- 1 Load an original document faceup, short edge first into the ADF or facedown on the scanner glass.  
**Note:** Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF. Place these items on the scanner glass.
- 2 If you are loading a document into the ADF, then adjust the paper guides.

- 3 From the home screen, navigate to:

**Fax** > enter the fax number

To create a group of fax numbers, touch **Next number**, and then enter the next fax number.

- 4 Navigate to:

 > enter a name for the shortcut > **Done** > **OK** > **Fax It**

## Sending a fax

### Sending a fax using the touch screen

- 1 Load an original document faceup, short edge first into the ADF or facedown on the scanner glass.

**Note:** Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF. Place these items on the scanner glass.

- 2 If you are loading a document into the ADF, then adjust the paper guides.

- 3 From the home screen, touch **Fax**.

- 4 Enter the fax number or a shortcut using the touch screen or keypad.

To add recipients, touch **Next Number** and then enter the recipient's telephone number or shortcut number, or search the address book.

**Note:** To place a dial pause within a fax number, press . The dial pause appears as a comma in the “Fax to” box. Use this feature if you need to dial an outside line first.

- 5 Touch **Fax It**.

### Sending a fax using the computer

The printer driver fax option allows you to “print to fax,” where the printer will send a queued document as a fax rather than print it. The fax option functions as a normal fax machine, but is controlled through the printer driver instead of the printer control panel.

- 1 With a document open, click **File** > **Print**.

- 2 Select the printer, and then navigate to:

**Properties** > **Fax** tab > **Enable fax**

- 3 Enter the recipient fax number(s) in the “Fax number(s)” field.

Fax numbers can be entered manually or by using the Phone Book feature.

- 4 If necessary, enter a prefix in the Dialing prefix field.

- 5 Select the appropriate paper size and page orientation.

- 6 If you want to include a cover page with the fax, then select **Include cover page with fax**, and enter the appropriate information.

- 7 Click **OK**.

**Notes:**

- The Fax option is available for use only with the PostScript driver or the Universal Fax Driver. For information on installing these drivers, see the *Software and Documentation* CD.
- The Fax option must be configured and enabled in the PostScript driver under Configuration tab before it can be used.
- If the **Always display settings prior to faxing** check box is selected, then you will be prompted to verify the recipient information before the fax is sent. If this check box is not selected, then the queued document will be sent automatically as a fax when you click **OK** on the Fax tab.


## Sending a fax using shortcuts

Fax shortcuts are just like the speed dial numbers on a telephone or fax machine. A shortcut number (1–99999) can contain a single recipient or multiple recipients.

- 1 Load an original document faceup, short edge first into the ADF or facedown on the scanner glass.

**Note:** Do not place postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF. Place these items on the scanner glass.

- 2 If you are loading a document into the ADF, then adjust the paper guides.

- 3 Press , and then enter the shortcut number using the keypad.

- 4 Touch **Fax It**.

## Customizing fax settings

### Changing the fax resolution

Settings range from Standard (fastest speed) to Ultra Fine (slowest speed, best quality).

- 1 Load an original document faceup, short edge first into the ADF or facedown on the scanner glass.

**Note:** Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF. Place these items on the scanner glass.

- 2 If you are loading a document into the ADF, then adjust the paper guides.

- 3 From the home screen, navigate to:

**Fax** > enter the fax number > **Options**

- 4 From the Resolution area, touch the arrows to change to the resolution you want.

- 5 Touch **Fax It**.

## Making a fax lighter or darker

- 1 Load an original document faceup, short edge first into the ADF or facedown on the scanner glass.  
**Note:** Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF. Place these items on the scanner glass.
- 2 If you are loading a document into the ADF, then adjust the paper guides.
- 3 From the home screen, navigate to:  
**Fax** > enter the fax number > **Options**
- 4 From the Darkness area, touch the arrows to adjust the darkness of the fax.
- 5 Touch **Fax It**.

## Sending a fax at a scheduled time

- 1 Load an original document faceup, short edge first into the ADF or facedown on the scanner glass.  
**Note:** Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF. Place these items on the scanner glass.
- 2 If you are loading a document into the ADF, then adjust the paper guides.
- 3 From the home screen, navigate to:  
**Fax** > enter the fax number > **Options** > **Advanced Options** > **Delayed Send**  
**Note:** If Fax Mode is set to Fax Server, the Delayed Send button will not appear. Faxes waiting for transmission are listed in the Fax Queue.
- 4 Touch the arrows to adjust the time the fax will be transmitted.  
The time is increased or decreased in increments of 30 minutes. If the current time is shown, the left arrow is unavailable.
- 5 Touch **Fax It**.  
**Note:** The document is scanned and then faxed at the scheduled time.

## Viewing a fax log

- 1 Type the printer IP address into the address field of your Web browser.  
If you do not know the IP address of the printer, you can:
  - View the IP address on the printer control panel in the TCP/IP section under the Networks/Ports menu.
  - Print a network setup page or the menu settings pages and locate the IP address in the TCP/IP section.
- 2 Click **Settings** > **Reports** > **Fax Job Log** or **Fax Call Log**.

## Blocking junk faxes

- 1 Type the printer IP address into the address field of your Web browser.



If you do not know the IP address of the printer, you can:

- View the IP address on the printer control panel in the TCP/IP section under the Networks/Ports menu.
- Print a network setup page or the menu settings pages and locate the IP address in the TCP/IP section.

**2 Click **Settings > Fax Settings > Analog Fax Setup > Block No Name Fax.****

**Notes:**

- This option blocks all incoming faxes that have a private caller ID or no fax station name.
- In the Banned Fax List field, enter the phone numbers or fax station names of specific fax callers you want to block.

## Canceling an outgoing fax

### Canceling a fax while the original documents are still scanning

- When using the ADF, touch **Cancel Job** while **Scanning...** appears.
- When using the scanner glass, touch **Cancel Job** while **Scanning...** appears or while **Scan the Next Page / Finish the Job** appears.

### Canceling a fax after the original documents have been scanned to memory

**1 On the home screen, touch **Cancel Jobs.****

The Cancel Jobs screen appears.

**2 Touch the job or jobs you want to cancel.**

Only three jobs appear on the screen; touch the down arrow until the job you want appears, and then touch the job you want to cancel.

**3 Touch **Delete Selected Jobs.****

The Deleting Selected Jobs screen appears, the selected jobs are deleted, and then the home screen appears.

## Understanding the fax options

### Content

This option lets you specify the content type and source of the original document.

Choose content type from Text, Text/Photo, Photo, or Graphics.

- **Text**—Use when the content of the original document is mostly text or line art.
- **Graphics**—Use when the original document is mostly business-type graphics such as pie charts, bar charts, and animations.
- **Text/Photo**—Use when the original document is a mixture of text, graphics, and photos.
- **Photo**—Use when the original document is mostly a photo or an image.

Choose content source from Color Laser, Black/White Laser, Inkjet, Photo/Film, Magazine, Newspaper, Press, or Other.

- **Color Laser**—Use when the original document was printed using a color laser printer.
- **Black/White Laser**—Use when the original document was printed using a mono laser printer.
- **Inkjet**—Use when the original document was printed using an inkjet printer.
- **Photo/Film**—Use when the original document is a photo from film.
- **Magazine**—Use when the original document is from a magazine.
- **Newspaper**—Use when the original document is from a newspaper.
- **Press**—Use when the original document was printed using a printing press.
- **Other**—Use when the original document was printed using an alternate or unknown printer.

## Resolution

This options increases how closely the scanner examines the document you want to fax. If you are faxing a photo, a drawing with fine lines, or a document with very small text, then increase the Resolution setting. This will increase the amount of time required for the scan and will increase the quality of the fax output.

- **Standard**—Suitable for most documents
- **Fine 200 dpi**—Recommended for documents with small print
- **Super fine 300 dpi**—Recommended for original documents with fine detail
- **Ultra fine 600 dpi**—Recommended for documents with pictures or photos

**Note:** Fine 200 dpi and Super fine 300 dpi is displayed when color printing is selected.

## Darkness

This option adjusts how light or dark your faxes will turn out in relation to the original document.

## Color

This option enables or disables color in faxing.

## Page Setup

This option lets you change the Sides (Duplex), Orientation, and Binding settings.

- **Sides (Duplex)**—Use to specify if the original document is simplex (printed on one page) or duplex (printed on both sides). This also identifies what needs to be scanned for inclusion in the fax.
- **Orientation**—Use to specify the orientation of the original document, and then changes Sides and Binding to match the orientation.
- **Binding**—Use to specify if the original document is bound on the long-edge or short-edge side.

## Scan Preview

This option displays the first page of the image before it is included in the fax. When the first page is scanned, the scanning is paused and a preview image appears.

## Delayed Send

This lets you send a fax at a later time or date.

- 1 Set up your fax.
- 2 From the home screen, navigate to:  
**Delayed Send** > enter the date and time you want to send your fax > **Done**

**Note:** If the printer is turned off when the delayed fax is scheduled to be sent, then the fax is sent the next time the printer is turned on.

This setting can be especially useful in sending information to fax lines that are not readily available during certain hours, or when transmission times are cheaper.

## Using the advanced options

These options, among other things, allow you to customize advanced imaging settings, combine multiple jobs into one, and clean the edges of a document.

## Holding and forwarding faxes

### Holding faxes

This option lets you hold received faxes from printing until they are released. Held faxes can be released manually or at a scheduled day or time.

- 1 Type the printer IP address into the address field of your Web browser.  
If you do not know the IP address of the printer, you can:
  - View the IP address on the printer control panel in the TCP/IP section under the Networks/Ports menu.
  - Print a network setup page or the menu settings pages and locate the IP address in the TCP/IP section.
- 2 Click **Settings** > **Fax Settings** > **Analog Fax Setup** > **Holding Faxes**.
- 3 In the Print Faxes Password field, enter a password.
- 4 From the Held Fax Mode menu, select one of the following:
  - **Off**
  - **Always On**
  - **Manual**
  - **Scheduled**
- 5 If you selected Scheduled, then continue with the following steps:
  - a Click **Fax Holding Schedule**.
  - b From the Action menu, select **Hold faxes**.
  - c From the Time menu, select the time you want the held faxes released.
  - d From the Day(s) menu, select the day you want the held faxes released.
- 6 Click **Add**.

## Forwarding a fax

This option lets you print and forward received faxes to a fax number, e-mail address, FTP site, or LDSS.

- 1 Type the printer IP address into the address field of your Web browser.

If you do not know the IP address of the printer, you can:

- View the IP address on the printer control panel in the TCP/IP section under the Networks/Ports menu.
- Print a network setup page or the menu settings pages and locate the IP address in the TCP/IP section.

- 2 Click **Settings > Fax Settings**.

- 3 From the Fax Forwarding menu, select one of the following:

- **Print**
- **Print and Forward**
- **Forward**

- 4 From the “Forward to” menu, select one of the following:

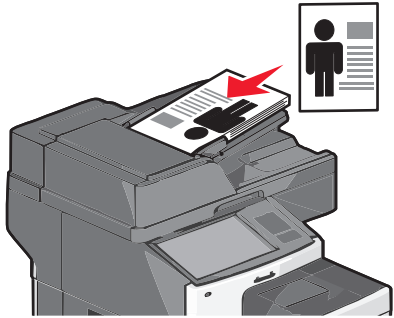
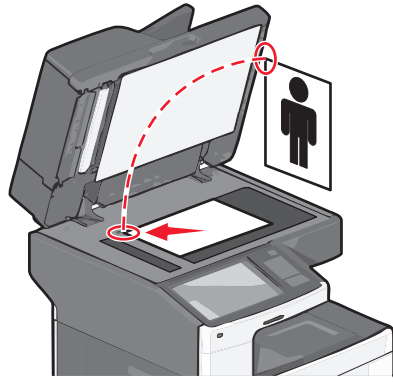
- **Fax**
- **E-mail**
- **FTP**
- **LDSS**
- **eSF**

- 5 In the Forward to Shortcut field, enter the shortcut number where you want the fax forwarded.

**Note:** The shortcut number must be valid for the setting selected in the “Forward to” menu.

- 6 Click **Submit**.

# Scanning

Automatic document feeder (ADF)	Scanner glass
	
Use the ADF for multiple-page documents.	Use the scanner glass for single pages, small items (such as postcards or photos), transparencies, photo paper, or thin media (such as magazine clippings).

The scanner lets you scan documents directly to a File Transfer Protocol (FTP) server. Only one FTP address may be sent to the server at a time.

Once an FTP destination has been configured by your system support person, the name of the destination becomes available as a shortcut number. An FTP destination could also be another printer; for example, a color document can be scanned, and then sent to a color printer.

## Creating shortcuts

Instead of entering the entire FTP site address on the printer control panel each time you want to send a document to an FTP server, you can create a permanent FTP destination and assign a shortcut number. There are two methods for creating shortcut numbers: using the Embedded Web Server and using the printer touch screen.

### Creating an FTP shortcut using the Embedded Web Server

- 1 Type the printer IP address into the address field of your Web browser.  
If you do not know the IP address of the printer, you can:
  - View the IP address on the printer control panel in the TCP/IP section under the Networks/Ports menu.
  - Print a network setup page or the menu settings pages and locate the IP address in the TCP/IP section.
- 2 Click **Settings**.
- 3 Under Other Settings, click **Manage Shortcuts**.  
**Note:** A password may be required. If you do not have an ID and password, get one from your system support person.
- 4 Click **FTP Shortcut Setup**.
- 5 Enter the appropriate information.


- 6 Enter a shortcut number.

If you enter a number that is already in use, then you are prompted to select another number.

- 7 Click **Add**.

## Creating an FTP shortcut using the touch screen

- 1 From the home screen, navigate to:

**FTP** > type the FTP address >  > enter a name for the shortcut > **Done**

- 2 Verify that the shortcut name and number are correct, and then touch **OK**. If the name or number is incorrect, then touch **Cancel**, and then reenter the information.

If you enter a number that is already in use, then you are prompted to select another number.

- 3 Touch **Submit**.

## Scanning to an FTP address

### Scanning to an FTP address using the touch screen

- 1 Load an original document faceup, short edge first into the ADF or facedown on the scanner glass.

**Note:** Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF. Place these items on the scanner glass.

- 2 If you are loading a document into the ADF, then adjust the paper guides.

- 3 From the home screen, navigate to:


**FTP** > **FTP** > type the FTP address > **Send It**

### Scanning to an FTP address using a shortcut number

- 1 Load an original document faceup, short edge first into the ADF or facedown on the scanner glass.

**Note:** Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF. Place these items on the scanner glass.

- 2 If you are loading a document into the ADF, then adjust the paper guides.

- 3 Press , and then enter the FTP shortcut number.


- 4 Touch **Send It**.

### Scanning to an FTP address using the address book

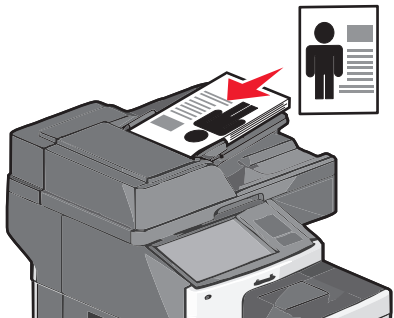
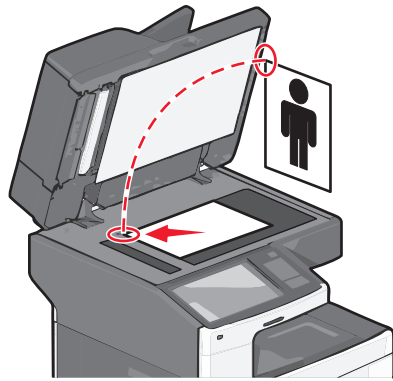
- 1 Load an original document faceup, short edge first into the ADF or facedown on the scanner glass.

**Note:** Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF. Place these items on the scanner glass.

- 2 If you are loading a document into the ADF, adjust the paper guides.

- 3 From the home screen, navigate to:
- FTP > FTP >  > enter the name of recipient > Browse shortcuts > name of recipient > Search**

## Scanning to a computer or flash drive

Automatic document feeder (ADF)	Scanner glass
	
Use the ADF for multiple-page documents.	Use the scanner glass for single pages, small items (such as postcards or photos), transparencies, photo paper, or thin media (such as magazine clippings).

The scanner lets you scan documents directly to a computer or a flash drive. The computer does not have to be directly connected to the printer for you to receive Scan to PC images. You can scan the document back to the computer over the network by creating a scan profile on the computer, and then downloading the profile to the printer.

### Scanning to a computer


- 1 Type the printer IP address into the address field of your Web browser.  
If you do not know the IP address of the printer, you can:
  - View the IP address on the printer control panel in the TCP/IP section under the Networks/Ports menu.
  - Print a network setup page or the menu settings pages and locate the IP address in the TCP/IP section.
- 2 Click **Scan Profile > Create**.
- 3 Select your scan settings, and then click **Next**.
- 4 Select a location on your computer where you want to save the scanned output file.
- 5 Enter a scan name.  
The scan name is the name that appears in the Scan Profile list on the display.
- 6 Click **Submit**.
- 7 Review the instructions on the Scan Profile screen.

A shortcut number was automatically assigned when you clicked **Submit**. You can use this shortcut number when you are ready to scan your documents.

- a Load an original document faceup, short edge first into the ADF or facedown on the scanner glass.

**Note:** Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF. Place these items on the scanner glass.

- b If you are loading a document into the ADF, then adjust the paper guides.

- c Press , and then enter the shortcut number using the keypad, or touch **Held Jobs** on the home screen, and then touch **Profiles**.

- d After entering the shortcut number, the scanner scans and sends the document to the directory or program you specified. If you touched **Profiles** on the home screen, then locate your shortcut on the list.

- 8 Return to the computer to view the file.

The output file is saved in the location or launched in the program you specified.

## Scanning to a flash drive

- 1 Load an original document faceup, short edge first into the ADF or facedown on the scanner glass.

**Note:** Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF. Place these items on the scanner glass.

- 2 If you are loading a document into the ADF, then adjust the paper guides.

- 3 Insert the flash drive into the USB port on the front of the printer.

The USB Drive home screen appears.

- 4 Select the destination folder, and then touch **Scan to USB drive**.

- 5 Adjust the scan settings.

- 6 Touch **Scan It**.

## Using the ScanBack Utility

You can use the Lexmark ScanBack™ Utility instead of the Embedded Web Server to create scan-to-computer profiles. The ScanBack Utility can be downloaded from the Lexmark Web site at <http://support.lexmark.com>.

- 1 Set up your scan-to-computer profile:

- a Launch the ScanBack Utility.

- b Select the printer.

If no printers are listed, then contact your system support person, or click **Setup** to manually search for an IP address or host name.

- c Follow the instructions on your computer screen to define the type of document being scanned and what kind of output you want to create.

- d Assign a file name of your scan profile, and then specify a location on your computer.

- e Click **Finish**.

A dialog box appears with your scan profile information and the status of the received images.

**Note:** You can select **Create Shortcut** to create a shortcut of the scan profile settings to your desktop.



## 2 Scan your original documents:

- a Load all pages into the ADF or on the scanner glass.
- b From the printer control panel, navigate to:  
**Held jobs > Profiles and Solutions >** select your scan profile

**Note:** Your output file is saved in a directory or launched in the application you specified.

# Understanding the FTP options

## FTP

This option lets you enter the IP address for the FTP destination.

**Note:** Addresses should be in dot notation form (for example: **yyy . yyy . yyy . yyy**).

## File Name

This option lets you enter the file name of the scanned document.

## Original Size

This option opens a screen where you can choose the size of the documents for FTP sending.

- Touch a paper size button to select that size as the Original Size setting. The FTP screen appears with the new setting displayed.
- When “Original Size” is set to Mixed Sizes, you can scan an original document that contains mixed paper sizes.
- When “Original Size” is set to Auto Size Sense, the scanner automatically determines the size of the original document.

## Send As

This option lets you set the output type for the scan image.

Select one of the following:

- **PDF**—Use to create a single file with multiple pages. The PDF can be sent as a secured or compressed file.
- **TIFF**—Use to create multiple files or a single file. If Multi-page TIFF is turned off in the Settings menu, then TIFF saves one page in each file. The file size is usually larger than an equivalent JPEG.
- **JPEG**—Use to create and attach a separate file for each page of the original document.
- **XPS**—Use to create a single XPS file with multiple pages.
- **RTF**—Use to create a file in editable format.
- **TXT**—Use to create ASCII text file with no formatting.

## Color

This option enables or disables color for the scanned image.

## Resolution

This option adjusts the output quality of your file. Increasing the image resolution increases the file size and the time needed to scan your original document. Image resolution can be decreased to reduce the file size.

## Darkness

This option adjusts how light or dark your files will turn out in relation to the original document.

## Page Setup

This option lets you change the Sides (Duplex), Orientation, and Binding.

- **Sides (Duplex)**— Specifies if the original document is simplex (printed on one page) or duplex (printed on both sides). This also identifies what needs to be scanned.
- **Orientation**— Specifies the orientation of the original document, and then changes the Sides and Binding settings to match the orientation.
- **Binding**— Specifies if the original document is bound on the long-edge or short-edge side.

## Content

This option tells the printer the original document type and source.

Choose content type from Text, Text/Photo, Photo, or Graphic.

- **Text**—Use when the content of the original document is mostly text or line art.
- **Graphic**—Use when the original document is mostly business-type graphics such as pie charts, bar charts, and animations.
- **Text/Photo**—Use when the original document is a mixture of text, graphics, and photos.
- **Photo**—Use when the original document is mostly a photo or an image.

Choose content source from Color Laser, Black/White Laser, Inkjet, Photo/Film, Magazine, Newspaper, Press or Other.

- **Color Laser**—Use when the original document was printed using a color laser printer.
- **Black/White**—Use when the original document was printed using a black/white laser printer.
- **Inkjet**—Use when the original document was printed using an inkjet printer.
- **Photo/Film**—Use when the original document is a photo from film.
- **Magazine**—Use when the original document is from a magazine.
- **Newspaper**—Use when the original document is from a newspaper.
- **Press**—Use when the original document was printed using a printing press.
- **Other**—Use when the original document was printed using an alternate or unknown printer.

## Scan Preview

This option displays the first page of the original document before it is scanned completely. When the first page is scanned, the scanning is paused and a preview image appears.

## Using the advanced options

These options, among other things, allow you to customize the advanced imaging settings, combine multiple jobs into one, and clean the edges of the document.

# Understanding the printer menus

## Menus list

### Supplies

Replace Supply  
Cyan Cartridge  
Magenta Cartridge  
Yellow Cartridge  
Black Cartridge  
Separator Roll and Pick Assembly  
Waste Toner Bottle  
Fuser  
Transfer Module  
Staples  
Hole Punch Box

### Paper Menu

Default Source  
Paper Size/Type  
Configure MP  
Substitute Size  
Paper Texture  
Paper Weight  
Paper Loading  
Custom Types  
Custom Names  
Custom Scan Sizes  
Custom Bin Names  
Universal Setup  
Bin Setup

### Reports

Menu Settings Page  
Device Statistics  
Network Setup Page  
Network [x] Setup Page  
Shortcut List  
Fax Job Log  
Fax Call Log  
Copy Shortcuts  
E-mail Shortcuts  
Fax Shortcuts  
FTP Shortcuts  
Profiles List  
Print Fonts  
Print Directory  
Print Demo  
Asset Report

### Settings

General Settings  
Copy Settings  
Fax Settings  
E-mail Settings  
FTP Settings  
Flash Drive Menu  
Print Settings

### Security

Edit Security Setups  
Miscellaneous Security Settings  
Confidential Print  
Erase Temporary Data Files  
Security Audit Log  
Set Date and Time

### Network/Ports

Active NIC  
Standard Network or Network [x]<sup>1</sup>  
Standard USB  
Parallel [x]  
Serial [x]  
SMTP Setup

### Help

Print All Guides  
Copy Guide  
E-mail Guide  
Fax Guide  
FTP Guide  
Print Defects Guide  
Information Guide  
Supplies Guide

### Manage Shortcuts

Fax Shortcuts  
E-mail Shortcuts  
FTP Shortcuts  
Copy Shortcuts  
Profile Shortcuts

### Option Card Menu

A list of installed *download emulators* (DLEs) appears.<sup>2</sup>

<sup>1</sup> Depending on the printer setup, this menu appears as Standard Network or Network [x].

<sup>2</sup> This menu appears only when one or more DLEs are installed.

## Supplies menu

Menu item	Description
<b>Replace Supply</b> All photoconductors [x] PC Unit Separator Pick Assembly and Roller	Provides the option to reset the supply counter for the supplies
<b>Cyan Cartridge</b>	View the status of the toner cartridges, which can be any of the following: Early Warning Low Invalid Near End of Life Replace Missing Defective OK Unsupported
<b>Magenta Cartridge</b>	
<b>Yellow Cartridge</b>	
<b>Black Cartridge</b>	
<b>Separator Roll and Pick Assembly</b> OK Replace	Shows the status of the separator roller and pick assembly
<b>Waste Toner Bottle</b> Near Full Replace Missing OK	Shows the status of the waste toner bottle
<b>Fuser</b> Early Warning Low Replace Missing OK	Shows the status of the fuser
<b>Transfer Module</b> Early Warning Low Replace Missing OK	Shows the status of the transfer module
<b>Staple Cartridge</b> Early Warning Low Replace Missing OK	Shows the status of the staple cartridge

Menu item	Description
<b>Hole Punch Box</b> Near Full Replace Missing OK	Shows the status of the hole punch box

## Paper menu

### Default Source menu

Menu item	Description
<b>Default Source</b> Tray [x] MP Feeder Manual Paper Manual Envelope	Sets a default paper source for all print jobs  <b>Notes:</b> <ul style="list-style-type: none"> <li>• Tray 1 (standard tray) is the factory default setting.</li> <li>• From the Paper menu, Configure MP feeder must be set to Cassette for MP feeder to appear as a menu setting.</li> <li>• If the same size and type of paper are in two trays and the Paper Size and Paper Type settings match, then the trays are automatically linked. When one tray is empty, the print job continues using the linked tray.</li> </ul>

### Paper Size/Type menu

Menu item	Description
<b>Tray [x] Size</b> Letter Legal Executive Oficio (Mexico) Folio Statement Universal A4 A5 JIS B5	Specifies the paper size loaded in each tray  <b>Notes:</b> <ul style="list-style-type: none"> <li>• Letter is the US factory default setting. A4 is the international factory default setting.</li> <li>• For trays with automatic size sensing, only the size detected by the hardware appears.</li> <li>• If the same size and type of paper are in two trays and the Paper Size and Paper Type settings match, then the trays are automatically linked. When one tray is empty, the print job uses the linked tray.</li> </ul>
<b>Note:</b> Only installed trays are listed in this menu.	

Menu item	Description
<b>Tray [x] Type</b> Plain Paper Card Stock Transparency Recycled Glossy Heavy Glossy Labels Vinyl Labels Bond Letterhead Preprinted Colored Paper Light Paper Heavy Paper Rough/Cotton Paper Custom Type [x]	Specifies the type of paper loaded in each tray  <b>Notes:</b> <ul style="list-style-type: none"> <li>• Plain Paper is the factory default setting for Tray 1. Custom Type [x] is the factory default setting for all other trays.</li> <li>• If available, a user-defined name will appear instead of Custom Type [x].</li> <li>• Use this menu item to configure automatic tray linking.</li> </ul>
<b>MP Feeder Size</b> Letter Legal Executive Oficio (Mexico) Folio Statement Universal 7 3/4 Envelope 9 Envelope 10 Envelope DL Envelope C5 Envelope B5 Envelope Other Envelope A4 A5 A6 JIS B5	Specifies the paper size loaded in the multipurpose feeder  <b>Notes:</b> <ul style="list-style-type: none"> <li>• Letter is the US factory default setting. A4 is the international factory default setting.</li> <li>• From the Paper menu, Configure MP Feeder must be set to Cassette for MP Feeder to appear as a menu item.</li> </ul>
<b>Note:</b> Only installed trays are listed in this menu.	

Menu item	Description
<b>MP Feeder Type</b> Custom Type [x] Plain Paper Card Stock Transparency Recycled Glossy Heavy Glossy Labels Vinyl Labels Bond Envelope Rough Envelope Letterhead Preprinted Colored Paper Light Paper Heavy Paper Rough/Cotton Paper	Specifies the type of paper loaded in the multipurpose feeder  <b>Notes:</b> <ul style="list-style-type: none"> <li>• Custom Type [x] is the factory default setting.</li> <li>• From the Paper menu, Configure MP Feeder must be set to Cassette for MP Feeder to appear as a menu item.</li> </ul>
<b>Manual Paper Size</b> Letter Legal Executive Oficio (Mexico) Folio Statement Universal A4 A5 A6 JIS B5	Specifies the size of the paper being manually loaded  <b>Note:</b> Letter is the US factory default setting. A4 is the international factory default setting.
<b>Note:</b> Only installed trays are listed in this menu.	



Menu item	Description
<b>Manual Paper Type</b> Plain Paper Card Stock Transparency Recycled Glossy Heavy Glossy Labels Vinyl Labels Bond Letterhead Preprinted Colored Paper Light Paper Heavy Paper Rough/Cotton Paper Custom Type [x]	Specifies the type of paper being manually loaded <b>Note:</b> Plain Paper is the factory default setting.
<b>Manual Envelope Size</b> 10 Envelope DL Envelope C5 Envelope B5 Envelope Other Envelope 7 3/4 Envelope 9 Envelope	Specifies the size of the envelope being manually loaded <b>Note:</b> 10 Envelope is the US factory default setting. DL Envelope is the international factory default setting.
<b>Manual Envelope Type</b> Envelope Rough Envelope Custom Type [x]	Specifies the type of envelope being manually loaded <b>Note:</b> Envelope is the factory default setting.
<b>Note:</b> Only installed trays are listed in this menu.	

## Configure MP menu

Menu item	Description
<b>Configure MP</b> Cassette Manual First	Determines when the printer selects paper from the multipurpose feeder <b>Notes:</b> <ul style="list-style-type: none"> <li>• Cassette is the factory default setting. Cassette configures the multipurpose feeder as the automatic paper source.</li> <li>• Manual sets the multipurpose feeder only for manual feed print jobs.</li> <li>• First configures the multipurpose feeder as the primary paper source.</li> </ul>

## Substitute Size menu

Menu item	Description
<b>Substitute Size</b> All Listed Off Statement/A5 Letter/A4	Substitutes a specified paper size if the requested paper size is not available  <b>Notes:</b> <ul style="list-style-type: none"> <li>• All Listed is the factory default setting. All available size substitutions are allowed.</li> <li>• Off indicates no size substitutions are allowed.</li> <li>• Setting a size substitution lets a print job continue without a Change Paper message appearing.</li> </ul>

## Paper Texture menu

Menu item	Description
<b>Plain Texture</b> Normal Rough Smooth	Specifies the relative texture of the plain paper loaded  <b>Note:</b> Normal is the factory default setting.
<b>Card Stock Texture</b> Normal Rough Smooth	Specifies the relative texture of the card stock loaded  <b>Notes:</b> <ul style="list-style-type: none"> <li>• Normal is the factory default setting.</li> <li>• Settings appear only if card stock is supported.</li> </ul>
<b>Transparency Texture</b> Normal Rough Smooth	Specifies the relative texture of the transparencies loaded  <b>Note:</b> Normal is the factory default setting.
<b>Recycled Texture</b> Normal Rough Smooth	Specifies the relative texture of the recycled paper loaded  <b>Note:</b> Normal is the factory default setting.
<b>Glossy Texture</b> Normal Rough Smooth	Specifies the relative texture of the glossy paper loaded  <b>Note:</b> Normal is the factory default setting.
<b>Heavy Glossy Texture</b> Normal Rough Smooth	Specifies the relative texture of the glossy paper loaded  <b>Note:</b> Normal is the factory default setting.
<b>Labels Texture</b> Normal Rough Smooth	Specifies the relative texture of the labels loaded  <b>Note:</b> Normal is the factory default setting.

Menu item	Description
<b>Vinyl Labels Texture</b> Normal Rough Smooth	Specifies the relative texture of the vinyl labels loaded <b>Note:</b> Normal is the factory default setting.
<b>Bond Texture</b> Rough Smooth Normal	Specifies the relative texture of the bond paper loaded <b>Note:</b> Rough is the factory default setting.
<b>Envelope Texture</b> Normal Rough Smooth	Specifies the relative texture of the envelopes loaded <b>Note:</b> Normal is the factory default setting.
<b>Rough Envelope Texture</b> Rough	Specifies the relative texture of the envelopes loaded <b>Note:</b> Rough is the factory default setting.
<b>Letterhead Texture</b> Normal Rough Smooth	Specifies the relative texture of the letterhead loaded <b>Note:</b> Normal is the factory default setting.
<b>Preprinted Texture</b> Normal Rough Smooth	Specifies the relative texture of the preprinted paper loaded <b>Note:</b> Normal is the factory default setting.
<b>Colored Texture</b> Normal Rough Smooth	Specifies the relative texture of the colored paper loaded <b>Note:</b> Normal is the factory default setting.
<b>Light Texture</b> Normal Rough Smooth	Specifies the relative texture of the paper loaded <b>Note:</b> Normal is the factory default setting.
<b>Heavy Texture</b> Normal Rough Smooth	Specifies the relative texture of the paper loaded <b>Note:</b> Normal is the factory default setting.
<b>Rough/Cotton Texture</b> Rough	Specifies the relative texture of the cotton paper loaded <b>Note:</b> Rough is the factory default setting.
<b>Custom [x] Texture</b> Normal Rough Smooth	Specifies the relative texture of the custom paper loaded <b>Notes:</b> <ul style="list-style-type: none"> <li>• Normal is the factory default setting.</li> <li>• Settings appear only if the custom type is supported.</li> </ul>

## Paper Weight menu

Menu item	Description
<b>Plain Weight</b> Normal Heavy Light	Specifies the relative weight of the plain paper loaded <b>Note:</b> Normal is the factory default setting.
<b>Card Stock Weight</b> Normal Heavy Light	Specifies the relative weight of the card stock loaded <b>Notes:</b> <ul style="list-style-type: none"> <li>• Normal is the factory default setting.</li> <li>• Settings appear only if card stock is supported.</li> </ul>
<b>Transparency Weight</b> Normal Heavy Light	Specifies the relative weight of the transparencies loaded <b>Note:</b> Normal is the factory default setting.
<b>Recycled Weight</b> Normal Heavy Light	Specifies the relative weight of the recycled paper loaded <b>Note:</b> Normal is the factory default setting.
<b>Glossy Weight</b> Normal Heavy Light	Specifies the relative weight of the glossy paper loaded <b>Note:</b> Normal is the factory default setting.
<b>Heavy Glossy Weight</b> Heavy	Specifies the relative weight of the glossy paper loaded <b>Note:</b> Heavy is the factory default setting.
<b>Labels Weight</b> Normal Heavy Light	Specifies the relative weight of the labels loaded <b>Note:</b> Normal is the factory default setting.
<b>Vinyl Labels Weight</b> Normal Heavy Light	Specifies the relative weight of vinyl labels loaded <b>Note:</b> Normal is the factory default setting.
<b>Bond Weight</b> Normal Heavy Light	Specifies the relative weight of the bond paper loaded <b>Note:</b> Normal is the factory default setting.
<b>Envelope Weight</b> Normal Heavy Light	Specifies the relative weight of the envelopes loaded <b>Note:</b> Normal is the factory default setting.

Menu item	Description
<b>Rough Envelope Weight</b> Heavy Light Normal	Specifies the relative weight of the envelopes loaded <b>Note:</b> Heavy is the factory default setting.
<b>Letterhead Weight</b> Normal Heavy Light	Specifies the relative weight of the letterhead loaded <b>Note:</b> Normal is the factory default setting.
<b>Preprinted Weight</b> Normal Heavy Light	Specifies the relative weight of the preprinted paper loaded <b>Note:</b> Normal is the factory default setting.
<b>Colored Weight</b> Normal Heavy Light	Specifies the relative weight of the colored paper loaded <b>Note:</b> Normal is the factory default setting.
<b>Light Weight</b> Light	Specifies the relative weight of the paper loaded <b>Note:</b> Light is the factory default setting.
<b>Heavy Weight</b> Heavy	Specifies the relative weight of the paper loaded <b>Note:</b> Heavy is the factory default setting.
<b>Rough/Cotton Weight</b> Normal Heavy Light	Specifies the relative weight of the cotton paper loaded <b>Note:</b> Normal is the factory default setting.
<b>Custom [x] Weight</b> Normal Heavy Light	Specifies the relative weight of the custom paper loaded <b>Notes:</b> <ul style="list-style-type: none"> <li>• Normal is the factory default setting.</li> <li>• Settings appear only if the custom type is supported.</li> </ul>

## Paper Loading menu

Menu item	Description
<b>Card Stock Loading</b> Off Duplex	Determines whether 2-sided printing occurs for all print jobs that specify Card Stock as the paper type <b>Note:</b> Off is the factory default setting.
<b>Notes:</b> <ul style="list-style-type: none"> <li>• Duplex sets the printer default to 2-sided printing for every print job unless 1-sided printing is selected from Print Properties.</li> <li>• If Duplex is selected, then all print jobs are sent through the duplex unit, including 1-sided print jobs.</li> </ul>	

Menu item	Description
<b>Recycled Loading</b> Off Duplex	Determines whether 2-sided printing occurs for all print jobs that specify Recycled as the paper type <b>Note:</b> Off is the factory default setting.
<b>Glossy Loading</b> Off Duplex	Determines whether 2-sided printing occurs for all print jobs that specify Glossy as the paper type <b>Note:</b> Off is the factory default setting.
<b>Heavy Glossy Loading</b> Off Duplex	Determines whether 2-sided printing occurs for all print jobs that specify Heavy Glossy as the paper type <b>Note:</b> Off is the factory default setting.
<b>Labels Loading</b> Off Duplex	Determines whether 2-sided printing occurs for all print jobs that specify Labels as the paper type <b>Note:</b> Off is the factory default setting.
<b>Vinyl Labels Loading</b> Off Duplex	Determines whether 2-sided printing occurs for all print jobs that specify Vinyl Labels as the paper type <b>Note:</b> Off is the factory default setting.
<b>Bond Loading</b> Off Duplex	Determines whether 2-sided printing occurs for all print jobs that specify Bond as the paper type <b>Note:</b> Off is the factory default setting.
<b>Letterhead Loading</b> Off Duplex	Determines whether 2-sided printing occurs for all print jobs that specify Letterhead as the paper type <b>Note:</b> Off is the factory default setting.
<b>Preprinted Loading</b> Off Duplex	Determines whether 2-sided printing occurs for all print jobs that specify Preprinted as the paper type <b>Note:</b> Off is the factory default setting.
<b>Colored Loading</b> Off Duplex	Determines whether 2-sided printing occurs for all print jobs that specify Colored as the paper type <b>Note:</b> Off is the factory default setting.
<b>Light Loading</b> Off Duplex	Determines whether 2-sided printing occurs for all print jobs that specify Light as the paper type <b>Note:</b> Off is the factory default setting.
<b>Heavy Loading</b> Off Duplex	Determines whether 2-sided printing occurs for all print jobs that specify Heavy as the paper type <b>Note:</b> Off is the factory default setting.
<b>Rough/Cotton Loading</b> Off Duplex	Determines whether 2-sided printing occurs for all print jobs that specify Rough or Cotton as the paper type <b>Note:</b> Off is the factory default setting.
<b>Notes:</b> <ul style="list-style-type: none"> <li>Duplex sets the printer default to 2-sided printing for every print job unless 1-sided printing is selected from Print Properties.</li> <li>If Duplex is selected, then all print jobs are sent through the duplex unit, including 1-sided print jobs.</li> </ul>	

Menu item	Description
<b>Custom [x] Loading</b> Off Duplex	Determines whether 2-sided printing occurs for all print jobs that specify Custom [x] as the paper type  <b>Notes:</b> <ul style="list-style-type: none"> <li>Off is the factory default setting.</li> <li>Custom [x] Loading is available only if the custom paper type is supported.</li> </ul>
<b>Notes:</b> <ul style="list-style-type: none"> <li>Duplex sets the printer default to 2-sided printing for every print job unless 1-sided printing is selected from Print Properties.</li> <li>If Duplex is selected, then all print jobs are sent through the duplex unit, including 1-sided print jobs.</li> </ul>	

## Custom Types menu

Menu item	Description
<b>Custom Type [x]</b> Paper Card Stock Transparency Glossy Rough/Cotton Labels Vinyl Labels Envelope	Associates a paper or specialty media type with a factory default <b>Custom Type [x]</b> name or a user-defined Custom Name created from the Embedded Web Server or from MarkVision™ Professional  <b>Notes:</b> <ul style="list-style-type: none"> <li>Paper is the factory default setting.</li> <li>The custom media type must be supported by the selected tray or multipurpose feeder in order to print from that source.</li> </ul>
<b>Recycled</b> Paper Card Stock Transparency Glossy Rough/Cotton Labels Vinyl Labels Envelope	Specifies a paper type when the Recycled setting is selected in other menus  <b>Notes:</b> <ul style="list-style-type: none"> <li>Paper is the factory default setting.</li> <li>The custom media type must be supported by the selected tray or multipurpose feeder in order to print from that source.</li> </ul>

## Custom Names menu

Menu item	Definition
<b>Custom Name [x]</b> [none]	Specify a custom name for a paper type. This name replaces the <b>Custom Type [x]</b> name in the printer menus.

## Custom Bin Names menu

Menu Item	Description
<b>Standard Bin</b>	Specifies a custom name for the Standard Bin
<b>Bin [x]</b>	Specifies a custom name for Bin [x]

## Custom Scan Sizes menu

Menu item	Description
<b>Custom Scan Size [x]</b> Scan Size Name Width 1–8.5 inches (25–215.9 mm) Height 1–25 inches (25–635 mm) Orientation Portrait Landscape 2 scans per side Off On	Specifies a custom scan size name, scan sizes and options. The custom scan size name replaces <b>Custom Scan Size [x]</b> in the printer menus.  <b>Notes:</b> <ul style="list-style-type: none"> <li>• 8.5 inches is the US factory default setting for Width. 210 millimeters is the international factory default setting for Width.</li> <li>• 14 inches is the US factory default setting for Height. 297 millimeters is the international factory default setting for Height.</li> <li>• Portrait is the factory default setting for Orientation.</li> <li>• Off is the factory default setting for 2 scans per side.</li> </ul>

## Universal Setup menu

Use	To
<b>Units of Measure</b> Inches Millimeters	Specify the unit of measure. <b>Note:</b> Inches is the U.S. factory default setting. Millimeters is the international factory default setting.
<b>Portrait Width</b> 3–48 inches 76–1219 mm	Set the portrait width. <b>Note:</b> 8.5 inches is the U.S. factory default setting. 215.9 mm is the international factory default setting.
<b>Portrait Height</b> 3–48 inches 76–1219 mm	Set the portrait height. <b>Note:</b> 14 inches is the U.S. factory default setting. 355.6 mm is the international factory default setting.
<b>Notes:</b> <ul style="list-style-type: none"> <li>• If the width or height exceeds the maximum, then the printer uses the maximum width or height allowed.</li> <li>• The width or height can be increased in 0.01-inch or in 1-mm increments.</li> </ul>	



## Bin Setup menu

Menu item	Description
<b>Output Bin</b> Standard Bin Bin [x]	Specifies the default output bin <b>Note:</b> Standard Bin is the factory default setting.
<b>Configure Bins</b> Mailbox Link Mail Overflow Link Optional Type Assignment	Specifies configuration options for output bins <b>Note:</b> Mailbox is the factory default setting.
<b>Assign Type/Bin</b> Plain Paper Bin Card Stock Bin Transparency Bin Recycled Bin Glossy Bin Heavy Glossy Bin Labels Bin Vinyl Labels Bin Bond Bin Envelope Bin Rough Envelope Bin Letterhead Bin Preprinted Bin Colored Bin Light Paper Bin Heavy Paper Bin Rough/Cotton Bin Custom [x] Bin	Selects an output bin for each supported paper type Available selections for each type are: Disabled Standard Bin Bin [x] <b>Note:</b> Disabled is the factory default setting.

## Reports menu

### Reports menu

Use	To
<b>Menu Settings Page</b>	Print a report on the current printer menu settings. The report also contains information about the status of the supplies and a list of hardware options that are successfully installed.
<b>Device Statistics</b>	Print a report containing printer statistics, such as supply information and number of printed pages.

Use	To
<b>Network Setup Page</b>	Print a report containing information about the network settings of the printer. <b>Note:</b> This menu item appears only in network printers or printers connected to print servers.
<b>Network [x] Setup Page</b>	Print a report containing information about the network settings of the printer. <b>Note:</b> This menu item appears only in network printers or printers connected to print servers, and when there is more than one network option installed.
<b>Shortcut List</b>	Print a report containing information about configured shortcuts.
<b>Fax Job Log</b>	Print a report containing information about the last 200 completed faxes. <b>Notes:</b> <ul style="list-style-type: none"> <li>• This menu item appears only when Enable Job Log is set to On in the Fax Settings menu.</li> <li>• This menu is supported only in some printer models.</li> </ul>
<b>Fax Call Log</b>	Print a report containing information about the last 100 attempted, received, and blocked calls. <b>Notes:</b> <ul style="list-style-type: none"> <li>• This menu item appears only when Enable Job Log is set to On in the Fax Settings menu.</li> <li>• This menu is supported only in some printer models.</li> </ul>
<b>Copy Shortcuts</b>	Print a report containing information about copy shortcuts.
<b>E-mail Shortcuts</b>	Print a report containing information about e-mail shortcuts.
<b>Fax Shortcuts</b>	Print a report containing information about fax shortcuts.
<b>FTP Shortcuts</b>	Print a report containing information about FTP shortcuts.
<b>Profiles List</b>	Print a list of profiles stored in the printer.
<b>Print Fonts</b>	Print a report of all the fonts available for the printer language currently set in the printer.
<b>Print Directory</b>	Print a list of all the resources stored in an optional flash memory card or printer hard disk. <b>Notes:</b> <ul style="list-style-type: none"> <li>• Job Buffer Size must be set to 100%.</li> <li>• Make sure that the memory card or hard disk is installed and working properly.</li> </ul>
<b>Print Demo</b> Demo Page [list of available demo pages]	Print demo files that are available in the firmware, the flash option, and the disk option.
<b>Asset Report</b>	Print a report containing printer asset information, such as serial number and model name.

## Network/Ports menu

### Active NIC menu

Menu item	Description
<b>Active NIC</b> Auto [list of available network cards]	<b>Notes:</b> <ul style="list-style-type: none"><li>• Auto is the factory default setting.</li><li>• This menu item appears only if an optional network card is installed.</li></ul>

### Standard Network or Network [x] menus

**Note:** Only active ports appear in this menu; all inactive ports are omitted.

Menu item	Description
<b>PCL SmartSwitch</b> On Off	Sets the printer to automatically switch to PCL emulation when a print job requires it, regardless of the default printer language <b>Notes:</b> <ul style="list-style-type: none"><li>• On is the factory default setting.</li><li>• When Off is used, the printer does not examine incoming data. The printer uses PostScript emulation if PS SmartSwitch is set to On. It uses the default printer language specified in the Setup menu if PS SmartSwitch is set to Off.</li></ul>
<b>PS SmartSwitch</b> On Off	Sets the printer to automatically switch to PS emulation when a print job requires it, regardless of the default printer language <b>Notes:</b> <ul style="list-style-type: none"><li>• On is the factory default setting.</li><li>• When Off is used, the printer does not examine incoming data. The printer uses PCL emulation if PCL SmartSwitch is set to On. It uses the default printer language specified in the Setup menu if PCL SmartSwitch is set to Off.</li></ul>
<b>NPA Mode</b> Auto Off	Sets the printer to perform the special processing required for bidirectional communication following the conventions defined by the NPA protocol <b>Notes:</b> <ul style="list-style-type: none"><li>• Auto is the factory default setting.</li><li>• Changing this setting from the printer control panel and then exiting the menus causes the printer to restart. The menu selection is then updated.</li></ul>

Menu item	Description
<b>Network Buffer</b> Auto 3KB to [maximum size allowed]	Sets the size of the network input buffer  <b>Notes:</b> <ul style="list-style-type: none"> <li>• Auto is the factory default setting.</li> <li>• The value can be changed in 1-KB increments.</li> <li>• The maximum size allowed depends on the amount of memory in the printer, the size of the other link buffers, and whether Resource Save is set to On or Off.</li> <li>• To increase the maximum size range for the Network Buffer, disable or reduce the size of the parallel, serial, and USB buffers.</li> <li>• Changing this setting from the printer control panel and then exiting the menus causes the printer to restart. The menu selection is then updated.</li> </ul>
<b>Job Buffering</b> Off On Auto	Temporarily stores print jobs on the printer hard disk before printing. This menu only appears if a formatted disk is installed.  <b>Notes:</b> <ul style="list-style-type: none"> <li>• Off is the factory default setting.</li> <li>• On buffers print jobs on the printer hard disk.</li> <li>• Auto buffers print jobs only if the printer is busy processing data from another input port.</li> <li>• Changing this setting from the printer control panel and then exiting the menus causes the printer to restart. The menu selection is then updated.</li> </ul>
<b>Mac Binary PS</b> Auto On Off	Sets the printer to process Macintosh binary PostScript print jobs  <b>Notes:</b> <ul style="list-style-type: none"> <li>• Auto is the factory default setting.</li> <li>• Off filters print jobs using the standard protocol.</li> <li>• On processes raw binary PostScript print jobs.</li> </ul>
<b>Standard Network Setup</b> Reports Network Card TCP/IP IPv6 Wireless AppleTalk	Displays and sets the printer network settings.  <b>Note:</b> The Wireless menu appears only when the printer is connected to a wireless network.
<b>Network [x] Setup</b> Reports Network Card TCP/IP IPv6 Wireless AppleTalk	

## Network Reports menu

This menu is available from the Network/Ports menu:

**Network/Ports > Standard Network** or **Network [x] > Standard Network Setup** or **Network Setup > Reports** or **Network Reports**

Menu item	Description
<b>Print Setup Page</b>	Prints a report containing information about the network printer settings, such as the TCP/IP address

## Network Card menu

Use	To
<b>View Card Status</b> Connected Disconnected	View the connection status of the network card.
<b>View Card Speed</b>	View the speed of an active network card.
<b>Network Address</b> UAA LAA	View the network addresses.
<b>Job Timeout</b> 0–255 seconds	Set the amount of time it takes for a network print job to be canceled. <b>Notes:</b> <ul style="list-style-type: none"> <li>90 seconds is the factory default setting.</li> <li>A setting value of 0 disables the timeout.</li> <li>If a value of 1–9 is selected, then the setting is saved as 10.</li> </ul>
<b>Banner Page</b> Off On	Enable banner pages. <b>Note:</b> Off is the factory default setting

## TCP/IP menu

To access the menu, navigate to either of the following:

- **Network/Ports > Standard Network > Standard Network Setup > TCP/IP**
- **Network/Ports > Network [x] > Network [x] Setup > TCP/IP**

**Note:** This menu is available only in network models or in printers attached to print servers.

Use	To
<b>Set Hostname</b>	Set the current TCP/IP host name. <b>Note:</b> This can be changed only from the Embedded Web Server.
<b>IP Address</b>	View or change the current TCP/IP address. <b>Note:</b> Manually setting the IP address sets the Enable DHCP and Enable Auto IP settings to Off. It also sets Enable BOOTP and Enable RARP to Off on systems that support BOOTP and RARP.

Use	To
<b>Netmask</b>	View or change the current TCP/IP netmask.
<b>Gateway</b>	View or change the current TCP/IP gateway.
<b>Enable DHCP</b> On Off	Specify the DHCP address and parameter assignment. <b>Note:</b> On is the factory default setting.
<b>Enable RARP</b> On Off	Specify the RARP address assignment setting. <b>Note:</b> Off is the factory default setting.
<b>Enable BOOTP</b> On Off	Specify the BOOTP address assignment setting. <b>Note:</b> On is the factory default setting.
<b>Enable AutoIP</b> Yes No	Specify the Zero Configuration Networking setting. <b>Note:</b> Yes is the factory default setting.
<b>Enable FTP/TFTP</b> Yes No	Enable the built-in FTP server, which lets you send files to the scanner using File Transfer Protocol. <b>Note:</b> Yes is the factory default setting.
<b>Enable HTTP Server</b> Yes No	Enable the built-in Web server (Embedded Web Server). When enabled, the scanner can be monitored and managed remotely using a Web browser. <b>Note:</b> Yes is the factory default setting.
<b>WINS Server Address</b>	View or change the current WINS server address.
<b>Enable DDNS</b> Yes No	View or change the current DDNS setting. <b>Note:</b> Yes is the factory default setting.
<b>Enable mDNS</b> Yes No	View or change the current mDNS setting. <b>Note:</b> Yes is the factory default setting.
<b>DNS Server Address</b>	View or change the current DNS server address.
<b>Backup DNS Server Address</b>	View or change the backup DNS server addresses.
<b>Backup DNS Server Address 2</b>	
<b>Backup DNS Server Address 3</b>	
<b>Enable HTTPS</b> Yes No	View or change the current HTTPS setting. <b>Note:</b> Yes is the factory default setting.

## IPv6 menu

This menu is available from the Network/Ports menu:

**Network/Ports > Standard Network or Network [x] > Standard Network Setup or Network [x] Setup > IPv6**

**Note:** This menu is available only for network models or printers attached to print servers.

Menu item	Description
<b>Enable IPv6</b> On Off	Enables IPv6 in the printer <b>Note:</b> On is the factory default setting.
<b>Auto Configuration</b> On Off	Specifies whether the network adapter accepts the automatic IPv6 address configuration entries provided by a router <b>Note:</b> On is the factory default setting.
<b>Set Hostname</b>	Lets you set the hostname
<b>View Address</b>	<b>Note:</b> These settings can be changed only from the Embedded Web Server.
<b>View Router Address</b>	
<b>Enable DHCPv6</b> On Off	Enables DHCPv6 in the printer <b>Note:</b> On is the factory default setting.

## Wireless menu

Use the following menu items to view or configure the wireless internal print server settings.

**Note:** This menu is available only for models connected to a wireless network.

The Wireless menu is available from the Network/Ports menu:

**Network/Ports > Standard Network or Network [x] > Standard Network Setup or Network [x] Setup > Wireless**

Menu item	Description
<b>WPS PBC Mode</b>	Lets you connect the printer to a wireless network by pressing buttons on both the printer and the access point (wireless router) within a given period of time
<b>WPS PIN Mode</b>	Lets you connect the printer to a wireless network by using a PIN on the printer and entering it into the wireless settings of the access point
<b>WPS Auto Detect</b> Disable Enable	Automatically detects the connection method that an access point with WPS uses— WPS Push Button Configuration (PBC) or WPS Personal Identification Number (PIN) <b>Note:</b> Disable is the factory default setting.
<b>Network Mode</b> Ad hoc Infrastructure	Specifies the network mode <b>Notes:</b> <ul style="list-style-type: none"> <li>Ad hoc is the factory default setting. This configures wireless connection directly between the printer and a computer.</li> <li>Infrastructure lets the printer access a network using an access point.</li> </ul>

Menu item	Description
<b>Compatibility</b> 802.11b/g/n 802.11n 802.11b/g	Specifies the wireless standard for the wireless network <b>Note:</b> The 802.11b/g/n is the factory default setting.
<b>Choose Network</b> [list of available networks]	Lets you select an available network for the printer to use
<b>View Signal Quality</b>	Lets you view the quality of the wireless connection
<b>View Security Mode</b>	Lets you view the encryption method that a wireless network uses

**Note:** *Wi-Fi Protected Setup (WPS)* is a simple and secure configuration that allows you to establish a wireless network and enable network security without requiring prior knowledge of Wi-Fi technology. It is no longer necessary to configure the network name (SSID) and WEP key or WPA passphrase for network devices.

## AppleTalk menu

To access the menu, navigate to either of the following:

- **Network/Ports > Standard Network > Standard Network Setup > AppleTalk**
- **Network/Ports > Network [x] > Network [x] Setup > AppleTalk**

Use	To
<b>Activate</b> Yes No	Enable or disable AppleTalk support. <b>Note:</b> No is the factory default setting.
<b>View Name</b>	Show the assigned AppleTalk name. <b>Note:</b> The AppleTalk name can be changed only from the Embedded Web Server.
<b>View Address</b>	Show the assigned AppleTalk address. <b>Note:</b> The AppleTalk address can be changed only from the Embedded Web Server.
<b>Set Zone</b> [list of zones available on the network]	Provide a list of AppleTalk zones available on the network. <b>Note:</b> The default zone for the network is the factory default setting.



## Standard USB menu

Menu item	Description
<b>PCL SmartSwitch</b> On Off	<p>Sets the printer to automatically switch to PCL emulation when a print job received through a USB port requires it, regardless of the default printer language</p> <p><b>Notes:</b></p> <ul style="list-style-type: none"> <li>On is the factory default setting.</li> <li>When set to Off, the printer does not examine incoming data. The printer uses PostScript emulation if the PS SmartSwitch is set to On. It uses the default printer language specified in the Setup menu if the PS SmartSwitch is set to Off.</li> </ul>
<b>PS SmartSwitch</b> On Off	<p>Sets the printer to automatically switch to PS emulation when a print job received through a USB port requires it, regardless of the default printer language</p> <p><b>Notes:</b></p> <ul style="list-style-type: none"> <li>On is the factory default setting.</li> <li>When set to Off, the printer does not examine incoming data. The printer uses PCL emulation if the PCL SmartSwitch is set to On. It uses the default printer language specified in the Setup menu if the PCL SmartSwitch is set to Off.</li> </ul>
<b>NPA Mode</b> Auto On Off	<p>Sets the printer to perform the special processing required for bidirectional communication following the conventions defined by the NPA protocol</p> <p><b>Notes:</b></p> <ul style="list-style-type: none"> <li>Auto is the factory default setting. Auto sets the printer to examine data, determine the format, and then process it appropriately.</li> <li>Changing this setting from the printer control panel and then exiting the menus causes the printer to restart. The menu selection is then updated.</li> </ul>
<b>USB Buffer</b> Auto 3KB to [maximum size allowed] Disabled	<p>Sets the size of the USB input buffer</p> <p><b>Notes:</b></p> <ul style="list-style-type: none"> <li>Auto is the factory default setting.</li> <li>Disabled turns off job buffering. Any jobs already buffered on the printer hard disk are printed before normal processing resumes.</li> <li>The USB buffer size value can be changed in 1-KB increments.</li> <li>The maximum size allowed depends on the amount of memory in the printer, the size of the other link buffers, and whether Resource Save is set to On or Off.</li> <li>To increase the maximum size range for the USB Buffer, disable or reduce the size of the parallel, serial, and network buffers.</li> <li>Changing this setting from the printer control panel and then exiting the menus causes the printer to restart. The menu selection is then updated.</li> </ul>

Menu item	Description
<b>Job Buffering</b> Off On Auto	Temporarily stores print jobs on the printer hard disk before printing <b>Notes:</b> <ul style="list-style-type: none"> <li>Off is the factory default setting.</li> <li>On buffers jobs on the printer hard disk.</li> <li>Auto buffers print jobs only if the printer is busy processing data from another input port.</li> <li>Changing this setting from the printer control panel and then exiting the menus causes the printer to restart. The menu selection is then updated.</li> </ul>
<b>Mac Binary PS</b> Auto On Off	Sets the printer to process Macintosh binary PostScript print jobs <b>Notes:</b> <ul style="list-style-type: none"> <li>Auto is the factory default setting.</li> <li>On processes raw binary PostScript print jobs.</li> <li>Off filters print jobs using the standard protocol.</li> </ul>
<b>ENA Address</b> YYY.YYY.YYY.YYY	Sets the network address information for an external print server <b>Note:</b> This menu item is available only if the printer is attached to an external print server through the USB port.
<b>ENA Netmask</b> YYY.YYY.YYY.YYY	Sets the netmask information for an external print server <b>Note:</b> This menu item is available only if the printer is attached to an external print server through the USB port.
<b>ENA Gateway</b> YYY.YYY.YYY.YYY	Sets the gateway information for an external print server <b>Note:</b> This menu item is available only if the printer is attached to an external print server through the USB port.

## Parallel [x] menu

Menu item	Description
<b>PCL SmartSwitch</b> On Off	Sets the printer to automatically switch to PCL emulation when a print job received through a serial port requires it, regardless of the default printer language <b>Notes:</b> <ul style="list-style-type: none"> <li>On is the factory default setting.</li> <li>When set to Off, the printer does not examine incoming data. The printer uses PostScript emulation if PS SmartSwitch is set to On. It uses the default printer language specified in the Setup menu if PS SmartSwitch is set to Off.</li> </ul>
<b>PS SmartSwitch</b> On Off	Sets the printer to automatically switch to PS emulation when a print job received through a serial port requires it, regardless of the default printer language <b>Notes:</b> <ul style="list-style-type: none"> <li>On is the factory default setting.</li> <li>When set to Off, the printer does not examine incoming data. The printer uses PCL emulation if PCL SmartSwitch is set to On. It uses the default printer language specified in the Setup menu if PCL SmartSwitch is set to Off.</li> </ul>

Menu item	Description
<b>NPA Mode</b> Auto On Off	Sets the printer to perform the special processing required for bidirectional communication following the conventions defined by the NPA protocol  <b>Notes:</b> <ul style="list-style-type: none"> <li>• Auto is the factory default setting.</li> <li>• Changing this setting from the printer control panel and then exiting the menus causes the printer to restart. The menu selection is then updated.</li> </ul>
<b>Parallel Buffer</b> Auto 3KB to [maximum size allowed] Disabled	Sets the size of the parallel input buffer  <b>Notes:</b> <ul style="list-style-type: none"> <li>• Auto is the factory default setting.</li> <li>• Disabled turns off job buffering. Any print jobs already buffered on the printer hard disk are printed before normal processing resumes.</li> <li>• The parallel buffer size setting can be changed in 1-KB increments.</li> <li>• The maximum size allowed depends on the amount of memory in the printer, the size of the other link buffers, and whether Resource Save is set to On or Off.</li> <li>• To increase the maximum size range for the Parallel Buffer, disable or reduce the size of the USB, serial, and network buffers.</li> <li>• Changing this setting from the printer control panel and then exiting the menus causes the printer to restart. The menu selection is then updated.</li> </ul>
<b>Job Buffering</b> Off On Auto	Temporarily stores print jobs on the printer hard disk before printing  <b>Notes:</b> <ul style="list-style-type: none"> <li>• Off is the factory default setting.</li> <li>• On buffers print jobs on the printer hard disk.</li> <li>• Auto buffers print jobs only if the printer is busy processing data from another input port.</li> <li>• Changing this setting from the printer control panel and then exiting the menus causes the printer to restart. The menu selection is then updated.</li> </ul>
<b>Advanced Status</b> On Off	Enables bidirectional communication through the parallel port  <b>Notes:</b> <ul style="list-style-type: none"> <li>• On is the factory default setting.</li> <li>• Off disables parallel port negotiation.</li> </ul>
<b>Protocol</b> Fastbytes Standard	Specifies the parallel port protocol  <b>Notes:</b> <ul style="list-style-type: none"> <li>• Fastbytes is the factory default setting. It provides compatibility with most existing parallel ports and is the recommended setting.</li> <li>• Standard tries to resolve parallel port communication problems.</li> </ul>

Menu item	Description
<b>Honor Init</b> Off On	Determines if the printer honors printer hardware initialization requests from the computer <b>Notes:</b> <ul style="list-style-type: none"> <li>Off is the factory default setting.</li> <li>The computer requests initialization by activating the Init signal from the parallel port. Many personal computers activate the Init signal each time the computer is turned on.</li> </ul>
<b>Parallel Mode 2</b> On Off	Determines if the parallel port data is sampled on the leading or trailing edge of a strobe <b>Note:</b> On is the factory default setting.
<b>Mac Binary PS</b> Auto On Off	Sets the printer to process Macintosh binary PostScript print jobs <b>Notes:</b> <ul style="list-style-type: none"> <li>Auto is the factory default setting.</li> <li>Off filters print jobs using the standard protocol.</li> <li>On processes raw binary PostScript print jobs.</li> </ul>
<b>ENA Address</b> YYY.YYY.YYY.YYY	Sets the network address information for an external print server <b>Note:</b> This menu item is available only if the printer is attached to an external print server through the USB port.
<b>ENA Netmask</b> YYY.YYY.YYY.YYY	Sets the netmask information for an external print server <b>Note:</b> This menu item is available only if the printer is attached to an external print server through the USB port.
<b>ENA gateway</b> YYY.YYY.YYY.YYY	Sets the gateway information for an external print server <b>Note:</b> This menu item is available only if the printer is attached to an external print server through the USB port.

## Serial [x] menu

Menu item	Description
<b>PCL SmartSwitch</b> On Off	Sets the printer to automatically switch to PCL emulation when a print job received through a serial port requires it, regardless of the default printer language <b>Notes:</b> <ul style="list-style-type: none"> <li>On is the factory default setting.</li> <li>When set to Off, the printer does not examine incoming data. The printer uses PostScript emulation if PS SmartSwitch is set to On. It uses the default printer language specified in the Setup menu if PS SmartSwitch is set to Off.</li> </ul>

Menu item	Description
<b>PS SmartSwitch</b> On Off	<p>Sets the printer to automatically switch to PS emulation when a print job received through a serial port requires it, regardless of the default printer language</p> <p><b>Notes:</b></p> <ul style="list-style-type: none"> <li>On is the factory default setting.</li> <li>When set to Off, the printer does not examine incoming data. The printer uses PCL emulation if PCL SmartSwitch is set to On. It uses the default printer language specified in the Setup menu if PCL SmartSwitch is set to Off.</li> </ul>
<b>NPA Mode</b> Auto On Off	<p>Sets the printer to perform the special processing required for bidirectional communication following the conventions defined by the NPA protocol</p> <p><b>Notes:</b></p> <ul style="list-style-type: none"> <li>Auto is the factory default setting. Auto sets the printer to examine data, determine the format, and then processes it appropriately.</li> <li>When set to On, the printer performs NPA processing. If the data is not in NPA format, it is rejected as bad data.</li> <li>When set to Off, the printer does not perform NPA processing.</li> <li>Changing this setting from the printer control panel and then exiting the menus causes the printer to restart. The menu selection is then updated.</li> </ul>
<b>Serial Buffer</b> Auto 3KB to [maximum size allowed] Disabled	<p>Sets the size of the serial input buffer</p> <p><b>Notes:</b></p> <ul style="list-style-type: none"> <li>Auto is the factory default setting.</li> <li>Disabled turns off job buffering. Any jobs already buffered on the disk are printed before normal processing is resumed.</li> <li>The serial buffer size setting can be changed in 1-KB increments.</li> <li>The maximum size allowed depends on the amount of memory in the printer, the size of the other link buffers, and whether Resource Save is set to On or Off.</li> <li>To increase the maximum size range for the Serial Buffer, disable or reduce the size of the parallel, serial, and network buffers.</li> <li>Changing this setting from the printer control panel and then exiting the menus causes the printer to restart. The menu selection is then updated.</li> </ul>
<b>Job Buffering</b> Off On Auto	<p>Temporarily stores print jobs on the printer hard disk before printing</p> <p><b>Notes:</b></p> <ul style="list-style-type: none"> <li>Off is the factory default setting. The printer does not buffer print jobs on the printer hard disk.</li> <li>On buffers print jobs on the printer hard disk.</li> <li>Auto buffers print jobs only if the printer is busy processing data from another input port.</li> <li>Changing this setting from the printer control panel and then exiting the menus causes the printer to restart. The menu selection is then updated.</li> </ul>

Menu item	Description
<b>Protocol</b> DTR DTR/DSR XON/XOFF XON/XOFF/DTR XONXOFF/DTRDSR	Selects the hardware and software handshaking settings for the serial port <b>Notes:</b> <ul style="list-style-type: none"> <li>• DTR is the factory default setting.</li> <li>• DTR/DSR is a hardware handshaking setting.</li> <li>• XON/XOFF is a software handshaking setting.</li> <li>• XON/XOFF/DTR and XON/XOFF/DTR/DSR are combined hardware and software handshaking settings.</li> </ul>
<b>Robust XON</b> Off On	Determines whether the printer communicates availability to the computer <b>Notes:</b> <ul style="list-style-type: none"> <li>• Off is the factory default setting.</li> <li>• This menu item applies only to the serial port if Serial Protocol is set to XON/XOFF.</li> </ul>
<b>Baud</b> 9600 19200 38400 57600 115200 138200 172800 230400 345600 1200 2400 4800	Specifies the rate at which data can be received through the serial port <b>Notes:</b> <ul style="list-style-type: none"> <li>• 9600 is the factory default setting.</li> <li>• 138200, 172800, 230400, and 345600 baud rates are only displayed in the Standard Serial menu. These settings do not appear in the Serial Option 1, Serial Option 2, or Serial Option 3 menus.</li> </ul>
<b>Data Bits</b> 8 7	Specifies the number of data bits sent in each transmission frame <b>Note:</b> 8 is the factory default setting.
<b>Parity</b> None Ignore Even Odd	Sets the parity for serial input and output data frames <b>Note:</b> None is the factory default setting.
<b>Honor DSR</b> Off On	Determines whether the printer uses the DSR Signal <b>Notes:</b> <ul style="list-style-type: none"> <li>• Off is the factory default setting.</li> <li>• DSR is a handshaking signal used by most serial cables. The serial port uses DSR to distinguish data sent by the computer from data created by electrical noise in the serial cable. The electrical noise can cause stray characters to print. Set this to On to prevent stray characters from printing.</li> </ul>

## SMTP Setup menu

Menu item	Description
<b>Primary SMTP Gateway</b>	Specifies SMTP server gateway and port information <b>Note:</b> 25 is the default SMTP gateway port.
<b>Primary SMTP Gateway Port</b>	
<b>Secondary SMTP Gateway</b>	
<b>Secondary SMTP Gateway Port</b>	
<b>SMTP Timeout</b> 5–30	Specifies the amount of time in seconds before the server stops trying to send an e-mail <b>Note:</b> 30 seconds is the factory default setting.
<b>Reply Address</b>	Specifies a reply address of up to 128 characters in the e-mail sent by the printer
<b>Use SSL</b> Disabled Negotiate Required	Sets the printer to use SSL for increased security when connecting to the SMTP server <b>Notes:</b> <ul style="list-style-type: none"> <li>Disabled is the factory default setting.</li> <li>When the Negotiate setting is used, the SMTP server determines if SSL will be used.</li> </ul>
<b>SMTP Server Authentication</b> No authentication required Login/Plain CRAM-MD5 Digest-MD5 NTLM Kerberos 5	Specifies the type of user authentication required for scan to e-mail privileges <b>Note:</b> “No authentication required” is the factory default setting.
<b>Device-Initiated E-mail</b> None Use Device SMTP Credentials	Specifies what credentials will be used when communicating to the SMTP server. Some SMTP servers require credentials to send an e-mail. <b>Notes:</b> <ul style="list-style-type: none"> <li>None is the factory default setting for Device and User-Initiated E-mail.</li> <li>Device Userid and Device Password are used to log in to the SMTP server when Use Device SMTP Credentials is selected.</li> </ul>
<b>User-Initiated E-mail</b> None Use Device SMTP Credentials Use Session User ID & Password Use Session E-mail address & Password Prompt User	
<b>Device Userid</b>	
<b>Device Password</b>	
<b>Kerberos 5 Realm</b>	
<b>NTLM Domain</b>	

## Security menu

### Edit Security Setups menu

Use	To
<b>Edit Backup Password</b> Use Backup Password Off On Password	Create a backup password.  <b>Notes:</b> <ul style="list-style-type: none"> <li>• Off is the factory default setting for Use Backup Password.</li> <li>• This menu item appears only if a backup password exists.</li> </ul>
<b>Edit Building Blocks</b> Internal Accounts NTLM Simple Kerberos Setup Kerberos Setup Active Directory LDAP LDAP+GSSAPI Password PIN	Edit settings for Internal Accounts, NTLM, Simple Kerberos Setup, Kerberos Setup, Active Directory, LDAP, Password, and PIN.
<b>Edit Security Templates</b> [list of available templates]	Add or edit a security template.
<b>Edit Access Controls</b> Administrative Menus Function Access Apps Configuration Management Solutions Cancel jobs at the Device	Control access to printer menus, firmware updates, held jobs, and other access points.



## Miscellaneous Security Settings menu

Menu item	Description
<b>Login Restrictions</b> Login failures Failure time frame Lockout time Panel Login Timeout Remote Login Timeout	Limits the number and time frames of failed login attempts from the printer control panel before <i>all</i> users are locked out  <b>Notes:</b> <ul style="list-style-type: none"> <li>• “Login failures” specifies the number of failed login attempts before users are locked out. Settings range from 1–10 attempts is the factory default setting.</li> <li>• “Failure time frame” specifies the time frame during which failed login attempts can be made before users are locked out. Settings range from 1–60 minutes. 5 minutes is the factory default setting.</li> <li>• “Lockout time” specifies how long users are locked out after exceeding the login failures limit. Settings range from 1–60 minutes. 5 minutes is the factory default setting. 1 indicates the printer does not impose a lockout time.</li> <li>• “Panel Login Timeout” specifies how long the printer remains idle on the Home screen before automatically logging the user off. Settings range from 1–900 seconds. 30 seconds is the factory default setting.</li> <li>• “Remote Login Timeout” specifies how long a remote interface remains idle before automatically logging the user off. Settings range from 1–120 seconds. 10 minutes is the factory default setting.</li> </ul>
<b>Security Reset Jumper</b> Access controls=“No Security” No Effect Reset factory security defaults	Changes the value of the security settings  <b>Notes:</b> <ul style="list-style-type: none"> <li>• Access controls=“No Security” retains all the security information that the user has defined. “No Security” is the factory default setting.</li> <li>• “No Effect” means the reset has no effect on the device’s security configuration.</li> <li>• “Reset factory security defaults” deletes all security information that the user has defined, and assigns the factory default value to each setting in the Miscellaneous Security Settings section of both the panel and the Web page.</li> </ul>
<b>LDAP Certificate Verification</b> Demand Try Allow Never	Allows the user to request a server certificate  <b>Notes:</b> <ul style="list-style-type: none"> <li>• “Demand” means a server certificate is requested. If a bad certificate is provided or if no certificate is provided, the session is terminated immediately. “Demand” is the factory default setting.</li> <li>• “Try” means a server certificate is requested. If no certificate is provided, the session proceeds normally. If a bad certificate is provided, the session is terminated immediately.</li> <li>• “Allow” means a server certificate is requested. If no certificate is provided, the session proceeds normally. If a bad certificate is provided, it will be ignored and the session proceeds normally.</li> <li>• “Never” means no server certificate is requested.</li> </ul>
<b>Minimum PIN Length</b> 1–16	Limits the digit length of the PIN.  <b>Note:</b> 4 is the is the factory default setting.

## Confidential Print menu

Use	To
<b>Max Invalid PIN</b> Off 2–10	Limit the number of times an invalid PIN can be entered. <b>Note:</b> Once the limit is reached, the print jobs for that user name and PIN are deleted.
<b>Confidential Job Expiration</b> Off 1 hour 4 hours 24 hours 1 week	Limit the amount of time a confidential print job stays in the printer before it is deleted. <b>Notes:</b> <ul style="list-style-type: none"> <li>• If the Confidential Job Expiration setting is changed while confidential print jobs reside in the printer RAM, then the expiration time for those print jobs does not change to the new default value.</li> <li>• If the printer is turned off, then all confidential jobs held in the printer RAM are deleted.</li> </ul>
<b>Repeat Job Expiration</b> Off 1 hour 4 hours 24 hours 1 week	Set a time limit on how long the printer stores print jobs.
<b>Verify Job Expiration</b> Off 1 hour 4 hours 24 hours 1 week	Set a time limit on how long the printer stores print jobs needing verification.
<b>Reserve Job Expiration</b> Off 1 hour 4 hours 24 hours 1 week	Set a time limit on how long the printer stores print jobs for printing at a later time.
<b>Note:</b> Off is the factory default setting.	

## Erase Temporary Data Files menu

Erase Temporary Data Files deletes *only* print job data on the printer hard disk that *are not* currently in use by the file system. All permanent data on the hard disk are preserved, such as downloaded fonts, macros, and held jobs.

**Note:** This menu appears only when a formatted, working hard disk is installed.

Use	To
<b>Wiping Mode</b> Off Auto Manual	Specify the mode for erasing temporary data files. <b>Note:</b> Auto is the factory default setting.

Use	To
<b>Automatic Method</b> Single pass Multi-pass	Specify a method for automatic disk wiping. <b>Notes:</b> <ul style="list-style-type: none"> <li>• Single pass is the factory default setting.</li> <li>• Highly confidential information should be erased using <i>only</i> the Multiple pass method.</li> </ul>
<b>Manual Method</b> Single pass Multi-pass	Specify a method for manual disk wiping. <b>Note:</b> Single pass is the factory default setting.
<b>Scheduled Method</b> Single pass Multi-pass	Specify a method for a scheduled disk wiping. <b>Note:</b> Single pass is the factory default setting.

## Security Audit Log menu

Menu item	Description
<b>Export Log</b>	Enables an authorized user to export the security log <b>Notes:</b> <ul style="list-style-type: none"> <li>• To export the log from the printer control panel, a flash drive must be attached to the printer.</li> <li>• From the Embedded Web Server, the log can be downloaded to a computer.</li> </ul>
<b>Delete Log</b> Yes No	Specifies whether audit logs are deleted <b>Note:</b> Yes is the factory default setting.

Menu item	Description
<b>Configure Log</b> Enable Audit Enable Remote Syslog Remote Syslog Server Remote Syslog Port Remote Syslog Method Remote Syslog Facility Log full behavior Admin's e-mail address Digitally sign exports Severity of events to log Remote Syslog non-logged events E-mail log cleared alert E-mail log wrapped alert E-mail % full alert % full alert level E-mail log exported alert E-mail log settings changed alert Log line endings	Specifies whether and how the audit logs are created <b>Note:</b> Factory default settings enable the security audit log.

## Set Date and Time menu

Menu item	Description
<b>Current Date and Time</b>	Lets you view the current date and time settings for the printer
<b>Manually Set Date and Time</b>	<b>Note:</b> Date/Time is set in YYYY-MM-DD HH:MM:SS format.
<b>Time Zone</b>	<b>Note:</b> GMT is the factory default setting.
<b>Automatically Observe DST</b> On Off	<b>Note:</b> On is the factory default setting and uses the applicable Daylight Saving Time associated with the Time Zone setting.
<b>Custom Time Zone Setup</b> DST Start Week DST Start DayOff DST Start Month DST Start Time DST End Week DST End Day DST End Month DST End Time DST Offset	Enables the user to set up the time zone
<b>Enable NTP</b> On Off	Enables Network Time Protocol, which synchronizes the clocks of devices on a network <b>Note:</b> On is the factory default setting.

Menu item	Description
<b>NTP Server</b>	Lets you view the NTP Server Address
<b>Enable Authentication</b> Off On	Lets you change the authentication setting to on or off <b>Note:</b> Off is the factory default setting.

## Settings menu

### General Settings menu

Use	To
<b>Display Language</b> English Francais Deutsch Italiano Espanol Dansk Norsk Nederlands Svenska Portugues Suomi Russian Polski Greek Magyar Turkce Cesky Simplified Chinese Traditional Chinese Korean Japanese	Set the language of the text appearing on the display. <b>Note:</b> Not all languages are available for all models. You may need to install a special hardware for some languages.
<b>Eco-Mode</b> Off Energy Energy/Paper Paper	Minimize the use of energy, paper, or specialty media. <b>Notes:</b> <ul style="list-style-type: none"> <li>Off is the factory default setting. This resets the printer to its factory default settings.</li> <li>When setting Eco Mode to Energy or Paper, performance may be affected, but print quality is not.</li> </ul>
<b>ADF Loaded Beep</b> Enabled Disabled	Specify whether the ADF sounds a beep when paper is loaded. <b>Note:</b> Enabled is the factory default setting.

Use	To
<b>Quiet Mode</b> Off On	Minimize the printer noise. <b>Note:</b> Off is the factory default setting.
<b>Run Initial setup</b> Yes No	Run the setup wizard.
<b>Keyboard</b> Keyboard Type English Francais Francais Canadien Deutsch Italiano Espanol Greek Dansk Norsk Nederlands Svenska Suomi Portugues Russian Polski Swiss German Swiss French Korean Magyar Turkish Czech Simplified Chinese Traditional Chinese Japanese Custom Key [x]	Specify a language and custom key information for the display keyboard.
<b>Paper Sizes</b> U.S. Metric	Specify the unit of measurement for paper sizes. <b>Notes:</b> <ul style="list-style-type: none"> <li>• U.S. is the factory default setting.</li> <li>• The initial setting is determined by your country or region selection in the initial setup wizard.</li> </ul>
<b>Scan to PC Port Range</b> [port range]	Specify a valid port range for printers behind a port blocking firewall. <b>Note:</b> 9751:12000 is the factory default setting.

Use	To
<b>Displayed Information</b> Left side Right side Custom Text [x]	Specify what is displayed on the upper corners of the home screen. For Left side and Right side, select from the following options: None IP Address Hostname Contact Name Location Date/Time mDNS/DDNS Service Name Zero Configuration Name Custom Text [x] Model Name  <b>Notes:</b> <ul style="list-style-type: none"> <li>• IP Address is the factory default setting for Left side.</li> <li>• Date/Time is the factory default setting for Right side.</li> </ul>
<b>Displayed Information (continued)</b> [x] Toner Waste Toner Bottle Fuser Transfer Module	Customize the displayed information for the parts and supplies. Select from the following options: When to display Do not display Display Message to display Default Alternate Default [text entry] Alternate [text entry]  <b>Notes:</b> <ul style="list-style-type: none"> <li>• Do not display is the factory default setting for When to display.</li> <li>• Default is the factory default setting for Message to display.</li> </ul>

Use	To
<b>Displayed Information (continued)</b> Paper Jam Load Paper Service Errors	Customize the displayed information for certain menus. Select from the following options: When to Display Do not display Alternate Message to display Default Alternate Default [text entry] Alternate [text entry] <b>Notes:</b> <ul style="list-style-type: none"> <li>• Do not display is the factory default setting for Display.</li> <li>• Default is the factory default setting for Message to display.</li> </ul>
<b>Home screen customization</b> Change Language Copy Copy Shortcuts Fax Fax Shortcuts E-mail E-mail Shortcuts FTP FTP Shortcuts Search Held Jobs Held Jobs USB Drive Profiles Bookmarks Jobs by User	Change the icons that appear on the home screen. For each icon, select from the following options: Display Do not display <b>Notes:</b> <ul style="list-style-type: none"> <li>• Display is the factory default setting for Copy, Fax, E-mail, FTP, Search Held Jobs, Held jobs, and USB Drive.</li> <li>• Do not display is the factory default setting for Change language, Copy shortcuts, Fax Shortcuts, E-mail Shortcuts, FTP Shortcuts, Profiles, Bookmarks, and Jobs by User menus.</li> </ul>
<b>Date Format</b> MM-DD-YYYY DD-MM-YYYY YYYY-MM-DD	Format the date. <b>Note:</b> MM-DD-YYYY is the U.S. factory default setting. DD-MM-YYYY is the international factory default setting.
<b>Time Format</b> 12 hour A.M./P.M. 24 hour clock	Format the time. <b>Note:</b> 12 hour A.M./P.M. is the factory default setting.
<b>Screen Brightness</b> 20–100	Specify the brightness of the display. <b>Note:</b> 100 is the factory default setting.



Use	To
<b>Output Lighting</b> Normal/Standby Mode Dim Bright Off	Set the output lighting for the standard bin. <b>Note:</b> Bright is the factory default setting.
<b>Error Lighting</b> On Off	Enable the indicator light to blink red when the printer encounters an error. <b>Note:</b> On is the factory default setting.
<b>Audio Feedback</b> Button Feedback On Off Volume 1–10	Specify the audio volume for the buttons. <b>Notes:</b> <ul style="list-style-type: none"> <li>On is the factory default setting for Button Feedback.</li> <li>5 is the factory default setting for Volume.</li> </ul>
<b>Tactile Touchscreen Feedback</b> On Off	Enable touch-screen sensation feedback. <b>Note:</b> On is the factory default setting.
<b>Show Bookmarks</b> Yes No	Specify whether bookmarks are displayed from the Held Jobs area. <b>Note:</b> Yes is the factory default setting.
<b>Allow Background Removal</b> On Off	Specify whether image background removal is allowed. <b>Note:</b> On is the factory default setting.
<b>Allow Custom Job Scans</b> On Off	Scan multiple jobs to one file. <b>Notes:</b> <ul style="list-style-type: none"> <li>On is the factory default setting.</li> <li>This menu item appears only when a printer hard disk is installed.</li> </ul>
<b>Scanner Jam Recovery</b> Job level Page level	Specify how a scanned job should be reloaded if a paper jam occurs in the ADF. <b>Notes:</b> <ul style="list-style-type: none"> <li>Job level is the factory default setting.</li> <li>If Job level is selected, then the entire job must be rescanned if any pages jam.</li> <li>If Page level is selected, then rescan from the jammed page forward.</li> </ul>
<b>Web Page Refresh Rate</b> 30–300	Specify the number of seconds between Embedded Web Server refreshes. <b>Note:</b> 120 is the factory default setting.
<b>Contact Name</b>	Specify a contact name. <b>Note:</b> The contact name is stored on the Embedded Web Server.

Use	To
<b>Location</b>	Specify the location. <b>Note:</b> The location is stored on the Embedded Web Server.
<b>Alarms</b> Alarm Control Cartridge Alarm Stapler Alarm Hole Punch Alarm	Set an alarm when the printer requires user intervention. For each alarm type, select from the following options: Off Single Continuous  <b>Notes:</b> <ul style="list-style-type: none"> <li>Single is the factory default setting for Alarm Control. This sounds three quick beeps.</li> <li>Off is the factory default setting for Cartridge Alarm, Stapler Alarm, and Hole Punch Alarm.</li> <li>Continuous repeats three beeps every 10 seconds.</li> </ul>
<b>Timeouts</b> Standby Mode 1–240	Set the amount of time before the printer enters a lower power state. <b>Note:</b> 15 minutes is the factory default setting.
<b>Timeouts</b> Sleep Mode Disabled 1–240	Set the amount of time in minutes the printer waits after a job is printed before it goes into a reduced power state. <b>Notes:</b> <ul style="list-style-type: none"> <li>20 is the factory default setting.</li> <li>Disabled appears only when Energy Conserve is set to Off.</li> <li>Lower settings conserve more energy, but may require longer warm-up times.</li> <li>Select a high setting if the printer is in constant use. Under most circumstances, this keeps the printer ready to print with minimum warm-up time.</li> </ul>
<b>Timeouts</b> Hibernate Timeout Disabled 20 minutes 1–3 hours 6 hours 1–3 days 1–2 weeks 1 month	Set the amount of time the printer waits before it enters Hibernate mode. <b>Note:</b> 3 days is the factory default setting.
<b>Hibernate Timeout on Connection</b> Hibernate Do Not Hibernate	Set the printer to Hibernate mode even if there is an active Ethernet connection. <b>Note:</b> Do Not Hibernate is the factory default setting.
<b>Timeouts</b> Screen Timeout 15–300	Set the amount of time in seconds before returning the control panel to a Ready state. <b>Note:</b> 30 is the factory default setting.

Use	To
<b>Timeouts</b> Print Timeout Disabled 1–255	Set the amount of time in seconds the printer waits to receive an end-of-job message before canceling the rest of the job.  <b>Notes:</b> <ul style="list-style-type: none"> <li>• 90 is the factory default setting.</li> <li>• When the timer expires, any partially printed page still in the printer is printed, and then the printer checks to see if any new print jobs are waiting.</li> <li>• Print Timeout is available only when using PCL emulation. This has no effect on PostScript emulation print jobs.</li> </ul>
<b>Timeouts</b> Wait Timeout Disabled 15–65535	Set the amount of time in seconds the printer waits for more data before canceling a print job.  <b>Notes:</b> <ul style="list-style-type: none"> <li>• 40 is the factory default setting.</li> <li>• Wait Timeout is available only when the printer is using PostScript emulation. This setting has no effect on PCL emulation print jobs.</li> </ul>
<b>Timeouts</b> Job Hold Timeout 5–255	Set the amount of time in seconds the printer waits for user intervention before it holds jobs that require unavailable resources and continues to print other jobs in the print queue.  <b>Notes:</b> <ul style="list-style-type: none"> <li>• 30 is the factory default setting.</li> <li>• This menu item appears only when a hard disk is installed.</li> </ul>
<b>Print Recovery</b> Auto Continue Disabled 5–255	Let the printer automatically continue printing from certain offline situations when these are not resolved within the specified time period.  <b>Note:</b> Disabled is the factory default setting.
<b>Print Recovery</b> Jam Recovery On Off Auto	Specify whether the printer reprints jammed pages.  <b>Notes:</b> <ul style="list-style-type: none"> <li>• Auto is the factory default setting. The printer reprints jammed pages unless the memory required to hold the pages is needed for other printer tasks.</li> <li>• On sets the printer to always reprint jammed pages.</li> <li>• Off sets the printer to never reprint jammed pages.</li> </ul>
<b>Print Recovery</b> Page Protect Off On	Successfully print a page that may not have printed otherwise.  <b>Notes:</b> <ul style="list-style-type: none"> <li>• Off is the factory default setting. This prints a partial page when there is not enough memory to print the whole page.</li> <li>• On sets the printer to print the entire page.</li> </ul>

Use	To
<b>Press Sleep Button</b> Do Nothing Sleep Hibernate	Determine how the printer, while in idle state, reacts to a short press of the Sleep button. <b>Note:</b> Sleep is the factory default setting.
<b>Press and Hold Sleep Button</b> Do Nothing Sleep Hibernate	Determine how the printer, while in idle state, reacts to a long press of the Sleep button. <b>Note:</b> Do Nothing is the factory default setting.
<b>Factory Defaults</b> Do Not Restore Restore Now	Use the printer factory default settings except the Network/Ports menu settings. <b>Notes:</b> <ul style="list-style-type: none"> <li>Do Not Restore is the factory default setting.</li> <li>All downloads stored in the RAM are deleted. Downloads stored in the flash memory or on a hard disk are not affected.</li> </ul>
<b>Export Compressed Log Files</b> Export	Export compressed log files to a flash drive.

## Copy Settings menu

Use	To
<b>Content Type</b> Text Graphics Text/Photo Photo	Specify the content of the original document. <b>Note:</b> Text/Photo is the factory default setting.
<b>Content Source</b> Black/White Laser Color Laser Inkjet Photo/Film Magazine Newspaper Press Other	Specify how the original document was produced. <b>Note:</b> Color Laser is the factory default setting.
<b>Color</b> Auto On Off	Specify whether copies are printed in color. <b>Note:</b> On is the factory default setting.

Use	To
<b>Auto Color Detect</b> Color Sensitivity 1–9 Area Sensitivity 1–9	Set the amount of color the printer can detect from the original document. <b>Note:</b> This menu item is applicable only when Color is set to Auto.
<b>Allow color copies</b> On Off	Enable color in copies. <b>Notes:</b> <ul style="list-style-type: none"> <li>• On is the factory default setting.</li> <li>• Setting this to Off hides all color-specific menus.</li> <li>• This setting overrides the Color setting.</li> </ul>
<b>Sides (Duplex)</b> 1 sided to 1 sided 1 sided to 2 sided 2 sided to 1 sided 2 sided to 2 sided	Specify whether an original document is two-sided or one-sided, and then specify whether the copy should be two-sided or one-sided. <b>Note:</b> 1 sided to 1 sided is the factory default setting. This setting is selected when using a one-sided original document for a one-sided copy job.
<b>Paper Saver</b> Off 2 on 1 Portrait 2 on 1Landscape 4 on 1 Portrait 4 on 1Landscape	Copy two or four sheets of a document on one page. <b>Note:</b> Off is the factory default setting.
<b>Print Page Borders</b> On Off	Specify whether a border is printed. <b>Note:</b> Off is the factory default setting.
<b>Collate</b> On [1,2,1,2,1,2] Off [1,1,1,2,2,2]	Stack the pages of a print job in sequence when printing multiple copies. <b>Note:</b> (1,2,3) (1,2,3) is the factory default setting.
<b>Punch</b> Off 2 holes 3 holes 4 holes	Specify the type of hole punch finishing to be used. <b>Notes:</b> <ul style="list-style-type: none"> <li>• Off is the factory default setting.</li> <li>• This menu item appears only when a staple, hole punch finisher is installed.</li> </ul>
<b>Staple</b> Off On	Enable the staple finisher. <b>Notes:</b> <ul style="list-style-type: none"> <li>• Off is the factory default setting.</li> <li>• This menu item appears only when a staple finisher is installed.</li> </ul>

Use	To
<b>Original Size</b> Letter Legal Executive Folio Statement Oficio (Mexico) Universal Auto Size Sense Mixed Sizes A4 A5 A6 JIS B5 Custom Scan Size [x] Book Original Business Card 3 x 5 in. 4 x 6 in. ID Card	Specify the size of the original document.  <b>Note:</b> Letter is the U.S. factory default setting. A4 is the international factory default setting.
<b>Copy To Source</b> Tray [x] Auto Size Match Manual Feeder	Specify the paper source for copy jobs.  <b>Note:</b> Tray 1 is the factory default setting.
<b>Transparency Separators</b> On Off	Place a sheet of paper between transparencies.  <b>Note:</b> On is the factory default setting.
<b>Separator Sheets</b> Off Between Copies Between Jobs Between Pages	Place a sheet of paper between pages, copies, or jobs.  <b>Note:</b> Off is the factory default setting.
<b>Separator Sheet Source</b> Tray [x] Manual Feeder	Specify the paper source for the separator sheet.  <b>Note:</b> Tray 1 is the factory default setting.
<b>Darkness</b> 1–9	Lighten or darken the output.  <b>Note:</b> 5 is the factory default setting.
<b>Output Bin</b> Standard Bin Bin [x]	Specify the output bin.  <b>Note:</b> Standard bin is the factory default setting.
<b>Number of Copies</b> 1–9999	Specify the number of copies for the copy job.  <b>Note:</b> 1 is the factory default setting.

Use	To
<b>Header/Footer</b> [Location] Off Date/Time Page number Custom text Print on All pages First page only All but first page Custom text	Specify header or footer information and its location on the page. Select from the following location options: <ul style="list-style-type: none"> <li>• Top left</li> <li>• Top middle</li> <li>• Top right</li> <li>• Bottom left</li> <li>• Bottom middle</li> <li>• Bottom right</li> </ul> <b>Notes:</b> <ul style="list-style-type: none"> <li>• Off is the factory default setting for the location.</li> <li>• All pages is the factory default setting for Print on.</li> </ul>
<b>Overlay</b> Confidential Copy Draft Urgent Custom Off	Specify the overlay text printed on each page of the copy job. <b>Note:</b> Off is the factory default setting.
<b>Custom Overlay</b>	Specify the custom overlay text.
<b>Allow priority copies</b> On Off	Allow interruption of a print job to copy a page or document. <b>Note:</b> On is the factory default setting.
<b>Custom Job scanning</b> On Off	Scan a document that contains mixed paper sizes into a single copy job. <b>Notes:</b> <ul style="list-style-type: none"> <li>• Off is the factory default setting.</li> <li>• This menu item appears only when a formatted, working hard disk is installed.</li> </ul>
<b>Allow Save as Shortcut</b> On Off	Save custom copy settings as shortcuts. <b>Note:</b> On is the factory default setting.
<b>Background Removal</b> -4 to 4	Adjust the amount of background visible on a copy. <b>Note:</b> 0 is the factory default setting.
<b>Auto Center</b> Off On	Automatically align the content at the center of the page. <b>Note:</b> Off is the factory default setting.
<b>Color Balance</b> Cyan - Red Magenta - Green Yellow - Blue	Enable an equal balance of colors in the output.

Use	To
<b>Color Dropout</b> Color Dropout None Red Green Blue Default Red Threshold 0–255 Default Green Threshold 0–255 Default Blue Threshold 0–255	Specify which color to drop and to adjust the dropout setting for each color threshold.  <b>Notes:</b> <ul style="list-style-type: none"> <li>• None is the factory default setting for Color Dropout.</li> <li>• 128 is the factory default setting for each color threshold.</li> </ul>
<b>Contrast</b> 0–5 Best for content	Specify the contrast of the output.  <b>Note:</b> Best for content is the factory default setting.
<b>Mirror Image</b> Off On	Create a mirror image of the original document.  <b>Note:</b> Off is the factory default setting.
<b>Negative Image</b> Off On	Create a negative image of the original document.  <b>Note:</b> Off is the factory default setting.
<b>Shadow Detail</b> -4 to 4	Adjust the amount of shadow detail visible on a copy.  <b>Note:</b> 0 is the factory default setting.
<b>ADF Skew Fix</b> Off On	Correct the slight skew in the scanned image.  <b>Note:</b> Auto is the factory default setting.
<b>Scan edge to edge</b> Off On	Specify if the original document is scanned edge-to-edge.  <b>Note:</b> Off is the factory default setting.
<b>Sharpness</b> 1–5	Adjust the amount of sharpness of a copy.  <b>Note:</b> 3 is the factory default setting.
<b>Temperature</b> -4 to 4	Specify warm or cool outputs. Cool values generate a bluer output than the default while warm values generate a redder output than the default.  <b>Note:</b> 0 is the factory default setting.
<b>Sample Copy</b> Off On	Create a sample copy of the original document.  <b>Note:</b> Off is the factory default setting.



## Fax Settings menu

### Fax Mode (Analog Fax Setup) menu

Analog Fax Setup mode sends the fax job through a telephone line.

#### General Fax Settings

Use	To
<b>Restore Factory Defaults</b>	Restore the factory defaults of all fax settings.
<b>Optimize Fax Compatibility</b>	Optimize fax compatibility with other fax machines.
<b>Fax Name</b>	Specify the name of the fax in the printer.
<b>Fax Number</b>	Specify the telephone number assigned to the fax.
<b>Fax ID</b> Fax Name Fax Number	Specify how the fax is identified. <b>Note:</b> Fax Number is the factory default setting.
<b>Enable Manual Fax</b> On Off	Set the printer to fax manually, which requires a line splitter and a telephone handset. <b>Notes:</b> <ul style="list-style-type: none"> <li>Off is the factory default setting.</li> <li>Use a regular telephone to answer an incoming fax job and to dial a fax number.</li> <li>Press <b># 0</b> on the numeric keypad to go directly to the Manual Fax function.</li> </ul>
<b>Memory Use</b> All receive Mostly receive Equal Mostly send All send	Define the allocation of non-volatile memory between sending and receiving fax jobs. <b>Note:</b> Equal is the factory default setting.
<b>Cancel Faxes</b> Allow Don't Allow	Specify whether canceling of fax jobs is allowed. <b>Note:</b> Allow is the factory default setting.
<b>Fax number masking</b> Off From left From right	Specify the direction from where digits are masked in an outgoing fax number. <b>Notes:</b> <ul style="list-style-type: none"> <li>Off is the factory default setting.</li> <li>The number of characters masked is determined by the Digits to Mask setting.</li> </ul>
<b>Digits to Mask</b> 0–58	Specify the number of digits to mask in an outgoing fax number. <b>Note:</b> 0 is the factory default setting.

Use	To
<b>Fax Cover Page</b> Fax Cover Page Off by default On by default Never use Always use Include to Field On Off Include from Field On Off From Include Message Field On Off Message Include Logo On Off Include Footer [x] On Off Footer [x]	Configure the fax cover page.  <b>Notes:</b> <ul style="list-style-type: none"> <li>• Off by default is the factory default setting for Fax Cover Page.</li> <li>• Off is the factory default setting for all other menu items.</li> </ul>

### Fax Send Settings

Use	To
<b>Resolution</b> Standard Fine 200 dpi Super Fine 300 dpi Ultra Fine 600 dpi	Specify quality in dots per inch (dpi). A higher resolution gives better print quality, but increases the fax transmission time for outgoing faxes.  <b>Note:</b> Standard is the factory default setting.

Use	To
<b>Original Size</b> Letter Legal Executive Folio Statement Oficio (Mexico) Universal Auto Size Sense Mixed Sizes A4 A5 A6 JIS B5 Custom Scan Size [x] Book Original Business Card 3 x 5 in. 4 x 6 in.	Specify the size of the original document.  <b>Note:</b> Mixed Sizes is the U.S. factory default setting. A4 is the international factory default setting.
<b>Sides (Duplex)</b> Off Long edge Short edge	Specify the orientation of the original documents loaded in the ADF for two-sided scanning.  <b>Note:</b> Off is the factory default setting.
<b>Content Type</b> Text Graphics Text/Photo Photo	Specify the content of the original document.  <b>Note:</b> Text is the factory default setting.
<b>Content Source</b> Black/White Laser Color Laser Inkjet Photo/Film Magazine Newspaper Press Other	Specify how the original document was produced.  <b>Note:</b> Color Laser is the factory default setting.
<b>Darkness</b> 1–9	Lighten or darken the output.  <b>Note:</b> 5 is the factory default setting.
<b>Dial Prefix</b>	Enter a dialing prefix, such as 99. A numeric entry field is provided.
<b>Dialing Prefix Rules</b> Prefix Rule [x]	Establish a dialing prefix rule.

Use	To
<b>Automatic Redial</b> 0–9	Specify the number of times the printer tries to send the fax to a specified number. <b>Note:</b> 5 is the factory default setting.
<b>Redial frequency</b> 1–200	Specify the number of minutes between redials. <b>Note:</b> 3 is the factory default setting.
<b>Behind a PABX</b> Yes No	Enable or disable switchboard blind dialing without a dial tone. <b>Note:</b> No is the factory default setting.
<b>Enable ECM</b> Yes No	Enable or disable Error Correction Mode for fax jobs. <b>Note:</b> Yes is the factory default setting.
<b>Enable Fax Scans</b> On Off	Fax files that are scanned at the printer. <b>Note:</b> On is the factory default setting.
<b>Driver to fax</b> Yes No	Allow the print driver to send fax jobs. <b>Note:</b> Yes is the factory default setting.
<b>Allow Save as Shortcut</b> On Off	Save fax numbers as shortcuts in the printer. <b>Note:</b> On is the factory default setting.
<b>Dial Mode</b> Tone Pulse	Specify the dialing sound. <b>Note:</b> Tone is the factory default setting.
<b>Max Speed</b> 2400 4800 9600 14400 33600	Specify the maximum speed in baud at which faxes are sent. <b>Note:</b> 33600 is the factory default setting.
<b>Custom Job scanning</b> On Off	Scan a document that contains mixed paper sizes into a single file. <b>Notes:</b> <ul style="list-style-type: none"> <li>• Off is the factory default setting.</li> <li>• This menu item appears only when a formatted, working printer hard disk is installed.</li> </ul>
<b>Scan Preview</b> On Off	Show whether a preview appears on the display for scan jobs. <b>Notes:</b> <ul style="list-style-type: none"> <li>• Off is the factory default setting.</li> <li>• This menu item appears only when a formatted, working printer hard disk is installed.</li> </ul>
<b>Background Removal</b> -4 to 4	Adjust the amount of background visible on a scanned image. <b>Note:</b> 0 is the factory default setting.

Use	To
<b>Color Balance</b> Cyan - Red Magenta - Green Yellow - Blue	Enable an equal balance of colors in the scanned image.
<b>Color Dropout</b> Color Dropout None Red Green Blue Default Red Threshold 0–255 Default Green Threshold 0–255 Default Blue Threshold 0–255	Specify which color to drop and to adjust the dropout setting for each color threshold. <b>Notes:</b> <ul style="list-style-type: none"> <li>• None is the factory default setting for Color Dropout.</li> <li>• 128 is the factory default setting for each color threshold.</li> </ul>
<b>Contrast</b> 0–5 Best for content	Specify the contrast in the scanned image. <b>Note:</b> Best for content is the factory default setting.
<b>Mirror Image</b> Off On	Create a mirror image of the original document. <b>Note:</b> Off is the factory default setting.
<b>Negative Image</b> Off On	Create a negative image of the original document. <b>Note:</b> Off is the factory default setting.
<b>Shadow Detail</b> -4 to 4	Adjust the amount of shadow detail visible. <b>Note:</b> 0 is the factory default setting.
<b>ADF Skew Fix</b> Auto Off On	Correct slight skew in the scanned image. <b>Note:</b> Auto is the factory default setting.
<b>Scan edge to edge</b> Off On	Specify whether the original document is scanned edge-to-edge. <b>Note:</b> Off is the factory default setting.
<b>Sharpness</b> 1–5	Adjust the sharpness of a fax. <b>Note:</b> 3 is the factory default setting.
<b>Temperature</b> -4 to 4	Specify warm or cool outputs. Cool values generate a bluer output than the default while warm values generate a redder output than the default. <b>Note:</b> 0 is the factory default setting.

Use	To
<b>Enable Color Fax Scans</b> Off by default On by default Never use Always use	Enable color faxing. <b>Note:</b> Off by default is the factory default setting.
<b>Auto Convert Color Faxes to Mono Faxes</b> On Off	Convert all outgoing faxes to black and white. <b>Note:</b> On is the factory default setting.

### Fax Receive Settings

Use	To
<b>Enable Fax Receive</b> On Off	Allow the printer to receive fax jobs. <b>Note:</b> On is the factory default setting.
<b>Enable Caller ID</b> On Off	Display the caller ID information of an incoming fax. <b>Note:</b> On is the factory default setting.
<b>Fax Job Waiting</b> None Toner Toner and Supplies	Remove fax jobs from the print queue when the job requires specific unavailable resources. <b>Note:</b> None is the factory default setting.
<b>Rings to Answer</b> 1–25	Specify the number of rings before answering an incoming fax job. <b>Note:</b> 3 is the factory default setting.
<b>Auto Reduction</b> On Off	Scale an incoming fax job so that it fits the size of the paper loaded in the designated fax source. <b>Note:</b> On is the factory default setting.
<b>Paper Source</b> Auto Tray [x] Multi-purpose Feeder	Specify the paper source for printing incoming fax jobs. <b>Note:</b> Auto is the factory default setting.
<b>Output Bin</b> Standard Bin Bin [x]	Specify the output bin. <b>Note:</b> Standard bin is the factory default setting.
<b>Sides (Duplex)</b> Off On	Enable two-sided printing for incoming fax jobs. <b>Note:</b> Off is the factory default setting.
<b>Separator Sheets</b> Off Before Job After Job	Enable the printer to include separator sheets for incoming fax jobs. <b>Note:</b> Off is the factory default setting.

Use	To
<b>Separator Source</b> Tray [x] Manual Feeder	Specify the paper source for the separator sheet. <b>Note:</b> Tray 1 is the factory default setting.
<b>Fax Footer</b> On Off	Print the transmission information at the bottom of each page from a received fax. <b>Note:</b> Off is the factory default setting.
<b>Fax Footer Time Stamp</b> Print Time Receive Time	Print the time when the fax was received. <b>Note:</b> Receive Time is the factory default setting.
<b>Max Speed</b> 2400 4800 9600 14400 33600	Specify the maximum speed in baud at which faxes are received. <b>Note:</b> 33600 is the factory default setting.
<b>Fax Forwarding</b> Print Print and Forward Forward	Enable forwarding of received faxes to another recipient. <b>Note:</b> Print is the factory default setting.
<b>Forward to</b> Fax E-mail FTP LDSS eSF	Specify the type of recipient to which faxes are forwarded. <b>Notes:</b> <ul style="list-style-type: none"> <li>Fax is the factory default setting.</li> <li>This menu item is available only from the printer Embedded Web Server.</li> </ul>
<b>Forward to Shortcut</b>	Enter the shortcut number which matches the recipient type (Fax, E-mail, FTP, LDSS, or eSF).
<b>Block No Name Fax</b> Off On	Enable blocking of incoming faxes sent from devices with no station ID or fax ID specified. <b>Note:</b> Off is the factory default setting.
<b>Banned Fax List</b>	Enable the list of blocked fax numbers stored in the printer.
<b>Holding Faxes</b> Held Fax Mode Off Always On Manual Scheduled Fax Holding Schedule	Enable the printer to hold received faxes from printing until they are released. Held faxes can be released manually or at a scheduled day or time. <b>Note:</b> Off is the factory default setting.
<b>Enable Color Fax Receive</b> On Off	Enable the printer to receive fax in color and print it in grayscale. <b>Note:</b> On is the factory default setting.

## Fax Log Settings

Use	To
<b>Transmission Log</b> Print log Do not print log Print only for error	Enable printing of a transmission log after each fax job. <b>Note:</b> Print log is the factory default setting.
<b>Receive Error Log</b> Print Never Print on Error	Enable printing of a received error log. <b>Note:</b> Print Never is the factory default setting.
<b>Auto Print Logs</b> On Off	Enable automatic printing of fax logs. <b>Notes:</b> <ul style="list-style-type: none"> <li>On is the factory default setting.</li> <li>Logs print after every 200 fax jobs.</li> </ul>
<b>Log Paper Source</b> Tray [x] Multipurpose Feeder	Specify the source of the paper used for printing logs. <b>Note:</b> Tray 1 is the factory default setting.
<b>Logs Display</b> Remote Station Name Dialed Number	Specify whether printed logs display the dialed number or the station name or fax name returned. <b>Note:</b> Remote Station Name is the factory default setting.
<b>Enable Job Log</b> On Off	Enable access to the Fax Job log. <b>Note:</b> On is the factory default setting.
<b>Enable Call Log</b> On Off	Enable access to the Fax Call log. <b>Note:</b> On is the factory default setting.
<b>Log Output Bin</b> Standard Bin Bin [x]	Specify the output bin for the printed fax logs. <b>Note:</b> Standard Bin is the factory default setting.

## Speaker Settings

Use	To
<b>Speaker Mode</b> Always Off On until Connected Always On	Specify the mode of the speaker. <b>Note:</b> On until Connected is the factory default setting. A sound is issued until the fax connection is made.
<b>Speaker Volume</b> High Low	Set the speaker volume to high or low. <b>Note:</b> High is the factory default setting.
<b>Ringer Volume</b> Off On	Enable or disable the ringer volume. <b>Note:</b> On is the factory default setting.



**Answer On**

Use	To
All Rings Single Ring Only Double Ring Only Triple Ring Only Single or Double Rings Only Single or Triple Rings Only Double or Triple Rings Only	Specify ring patterns when the printer is answering calls. <b>Note:</b> All Rings is the factory default setting.

**Fax Mode (Fax Server Setup) menu**

Fax Mode sends the fax job to a fax server for transmission.

Use	To
<b>To Format</b>	Enter specific fax information using the control panel.
<b>Reply Address</b>	
<b>Subject</b>	
<b>Message</b>	
<b>SMTP Setup</b>	Specify SMTP setup information.
<b>Primary SMTP Gateway</b>	Specify SMTP server port information.
<b>Secondary SMTP Gateway</b>	
<b>Image Format</b> PDF (.pdf) XPS (.xps) TIFF (.tif)	Specify the image format. <b>Note:</b> PDF (.pdf) is the factory default setting.
<b>Content Type</b> Text Graphics Text/Photo Photo	Specify the content of the original document. <b>Note:</b> Text/Photo is the factory default setting.
<b>Content Source</b> Black/White Laser Color Laser Inkjet Photo/Film Magazine Newspaper Press Other	Specify how the content was originally produced. <b>Note:</b> Color Laser is the factory default setting.

Use	To
<b>Fax Resolution</b> Standard Fine 200 dpi Super Fine 300 dpi Ultra Fine 600 dpi	Specify quality in dots per inch (dpi). <b>Note:</b> Standard is the factory default setting.
<b>Darkness</b> 1–9	Lighten or darken the output. <b>Note:</b> 5 is the factory default setting.
<b>Orientation</b> Portrait Landscape	Specify the orientation of the scanned image. <b>Note:</b> Portrait is the factory default setting.
<b>Original Size</b> Letter Legal Executive Folio Statement Oficio (Mexico) Universal Auto Size Sense Mixed Sizes A4 A5 A6 JIS B5 Custom Scan Size [x] Book Original Business Card 4 x 6 in. 3 x 5 in.	Specify the size of the original document. <b>Note:</b> Mixed Sizes is the U.S. factory default setting. A4 is the international factory default setting.
<b>Use Multi-Page TIFF</b> On Off	Provide a choice between single-page TIFF files and multiple-page TIFF files. For a multiple-page scan-to-fax job, either one TIFF file is created containing all the pages, or multiple TIFF files are created with one file for each page of the scan job. <b>Note:</b> On is the factory default setting.
<b>Enable Analog Receive</b> Off On	Enable receiving of analog faxes. <b>Note:</b> Off is the factory default setting.

## E-mail Settings menu

Use	To
<b>E-mail Server Setup</b> Subject Message File Name	Specify e-mail server information.
<b>E-mail Server Setup</b> Send me a copy Never appears On by default Off by default Always On	Send a copy of the e-mail to the sender. <b>Note:</b> Never appears is the factory default setting.
<b>E-mail Server Setup</b> Max E-mail size 0–65535 KB	Specify the maximum e-mail size. <b>Note:</b> E-mails bigger than the specified maximum size are not sent.
<b>E-mail Server Setup</b> Size Error Message	Send a message when an e-mail is greater than the configured size limit.
<b>E-mail Server Setup</b> Limit destinations	Specify a domain name, such as a company domain name, and then limit e-mail destinations only to that domain name. <b>Notes:</b> <ul style="list-style-type: none"> <li>• E-mail can be sent only to the specified domain.</li> <li>• The limit is one domain.</li> </ul>
<b>E-mail Server Setup</b> Web Link Setup Server Login Password Path File Name Web Link	Define the e-mail server Web link settings. <b>Note:</b> The characters * : ? < >   are invalid entries for a path name.
<b>Format</b> PDF (.pdf) TIFF (.tif) JPEG (.jpg) XPS (.xps)	Specify the file format. <b>Note:</b> PDF (.pdf) is the factory default setting.

Use	To
<b>PDF Settings</b> PDF Version 1.2–1.7 A–1a A–1b PDF Compression Normal High Secure PDF Off On Searchable PDF Off On	Configure the PDF settings.  <b>Notes:</b> <ul style="list-style-type: none"> <li>• 1.5 is the factory default setting for PDF Version.</li> <li>• Normal is the factory default setting for PDF Compression. This menu item appears only when a formatted, working hard disk is installed.</li> <li>• Off is the factory default setting for Secure PDF and Searchable PDF. Secure PDF requires you to enter your password twice.</li> </ul>
<b>Content Type</b> Text Graphics Text/Photo Photo	Specify the content of the original document. <b>Note:</b> Text/Photo is the factory default setting.
<b>Content Source</b> Black/White Laser Color Laser Inkjet Photo/Film Magazine Newspaper Press Other	Specify how the original document was produced. <b>Note:</b> Color Laser is the factory default setting.
<b>Color</b> Off On	Specify whether the printer captures and transmits content in color. <b>Note:</b> On is the factory default setting.
<b>Resolution</b> 75 dpi 150 dpi 200 dpi 300 dpi 400 dpi 600 dpi	Specify the resolution of the scan in dots per inch. <b>Note:</b> 150 dpi is the factory default setting.
<b>Darkness</b> 1–9	Lighten or darken the output. <b>Note:</b> 5 is the factory default setting.
<b>Orientation</b> Portrait Landscape	Specify the orientation of the scanned image. <b>Note:</b> Portrait is the factory default setting.

Use	To
<b>Original Size</b> Letter Legal Executive Folio Statement Oficio (Mexico) Universal Auto Size Sense Mixed Sizes A4 A5 A6 JIS B5 Custom Scan Size [x] Book Original Business Card 3 x 5 in. 4 x 6 in.	Specify the size of the original document.  <b>Note:</b> Letter is the U.S. factory default setting. A4 is the international factory default setting.
<b>Sides (Duplex)</b> Off Long Edge Short Edge	Specify the orientation of the original document loaded in the ADF for two-sided scanning.  <b>Note:</b> Off is the factory default setting.
<b>JPEG Quality</b> Best for content 5–90	Set the quality of a JPEG photo image in relation to file size and quality of the image.  <b>Note:</b> Best for content is the factory default setting.
<b>Text Default</b> 5–90	Set the quality of a text image in relation to file size and quality of the image.  <b>Note:</b> 75 is the factory default setting.
<b>Text/Photo Default</b> 5–90	Set the quality of a text or photo image in relation to file size and the quality of the image.  <b>Note:</b> 75 is the factory default setting.
<b>Photo Default</b> 5–90	Set the quality of a photo image in relation to file size and the quality of the image.  <b>Note:</b> 50 is the factory default setting.
<b>E-mail images sent as</b> Attachment Web Link	Specify how the images are sent.  <b>Note:</b> Attachment is the factory default setting.
<b>Use Multi-Page TIFF</b> On Off	Provide a choice between single-page TIFF files and multiple-page TIFF files. For a multiple-page scan-to-e-mail job, either one TIFF file is created containing all the pages, or multiple TIFF files are created with one file for each page of the job.  <b>Note:</b> On is the factory default setting.

Use	To
<b>TIFF Compression</b> LZW JPEG	Specify the format used in compressing TIFF files. <b>Note:</b> LZW is the factory default setting.
<b>Transmission Log</b> Print log Do not print log Print only for error	Specify whether to print the transmission log. <b>Note:</b> Print log is the factory default setting.
<b>Log Paper Source</b> Tray [x] Multipurpose Feeder	Specify the paper source for printing e-mail logs. <b>Note:</b> Tray 1 is the factory default setting.
<b>Log Output Bin</b> Standard Bin Bin [x]	Specify the output bin for e-mail logs. <b>Note:</b> Standard Bin is the factory default setting.
<b>E-mail Bit Depth</b> 1 bit 8 bit	Enable the Text/Photo mode to produce smaller file sizes by using 1-bit images when Color is set to Off. <b>Note:</b> 8 bit is the factory default setting.
<b>Custom Job scanning</b> On Off	Copy a document that contains mixed paper sizes. <b>Notes:</b> <ul style="list-style-type: none"> <li>Off is the factory default setting.</li> <li>This menu item appears only when a formatted, working printer hard disk is installed.</li> </ul>
<b>Scan Preview</b> On Off	Specify whether a preview appears on the display for scan jobs. <b>Notes:</b> <ul style="list-style-type: none"> <li>Off is the factory default setting.</li> <li>This menu item appears only when a formatted, working printer hard disk is installed.</li> </ul>
<b>Allow Save as Shortcut</b> On Off	Save e-mail addresses as shortcuts. <b>Notes:</b> <ul style="list-style-type: none"> <li>On is the factory default setting.</li> <li>When set to Off, the Save As Shortcut button does not appear on the e-mail Destination screen.</li> </ul>
<b>Background Removal</b> -4 to 4	Adjust the amount of background visible on a scanned image. <b>Note:</b> 0 is the factory default setting.
<b>Color Balance</b> Cyan - Red Magenta - Green Yellow - Blue	Enable an equal balance of colors in the output.

Use	To
<b>Color Dropout</b> Color Dropout None Red Green Blue Default Red Threshold 0–255 Default Green Threshold 0–255 Default Blue Threshold 0–255	Specify which color to drop and to adjust the dropout setting for each color threshold.  <b>Notes:</b> <ul style="list-style-type: none"> <li>• None is the factory default setting for Color Dropout.</li> <li>• 128 is the factory default setting for each color threshold.</li> </ul>
<b>Contrast</b> 0–5 Best for content	Specify the contrast of the output.  <b>Note:</b> Best for content is the factory default setting.
<b>Mirror Image</b> Off On	Create a mirror image of the original document.  <b>Note:</b> Off is the factory default setting.
<b>Negative Image</b> Off On	Create a negative image of the original document.  <b>Note:</b> Off is the factory default setting.
<b>Shadow Detail</b> -4 to 4	Adjust the amount of shadow detail visible on a scanned image.  <b>Note:</b> 0 is the factory default setting.
<b>ADF Skew Fix</b> Off On	Correct slight skew in the scanned image.  <b>Note:</b> Off is the factory default setting.
<b>Scan edge to edge</b> Off On	Specify whether the original document is scanned edge-to-edge.  <b>Note:</b> Off is the factory default setting.
<b>Sharpness</b> 1–5	Adjust the amount of sharpness on a scanned image.  <b>Note:</b> 3 is the factory default setting.
<b>Temperature</b> -4 to 4	Specify warm or cool outputs. Cool values generate a bluer output than the default while warm values generate a redder output than the default.  <b>Note:</b> 0 is the factory default setting.
<b>Use cc:/bcc:</b> Off On	Enable the use of the cc: and bcc: fields.  <b>Note:</b> Off is the factory default setting.

## FTP Settings menu

Use	To
<b>Format</b> PDF (.pdf) TIFF (.tif) JPEG (.jpg) XPS (.xps)	Specify the file format. <b>Note:</b> PDF (.pdf) is the factory default setting.
<b>PDF Settings</b> PDF Version 1.2–1.7 A–1a A–1b PDF Compression Normal High Secure PDF Off On Searchable PDF Off On	Configure the PDF settings. <b>Notes:</b> <ul style="list-style-type: none"> <li>• 1.5 is the factory default setting for PDF Version.</li> <li>• Normal is the factory default setting for PDF Compression. This menu item appears only when a formatted, working hard disk is installed.</li> <li>• Off is the factory default setting for Secure PDF and Searchable PDF. Secure PDF requires you to enter your password twice.</li> </ul>
<b>Content Type</b> Text Graphics Text/Photo Photo	Specify the content of the original document. <b>Note:</b> Text/Photo is the factory default setting.
<b>Content Source</b> Black/White Laser Color Laser Inkjet Photo/Film Magazine Newspaper Press Other	Specify how the original document was produced. <b>Note:</b> Color Laser is the factory default setting.
<b>Color</b> Off On	Specify whether the printer captures and transmits content in color. <b>Note:</b> On is the factory default setting.



Use	To
<b>Resolution</b> 75 dpi 150 dpi 200 dpi 300 dpi 400 dpi 600 dpi	Specify the quality of the scan in dots per inch (dpi). <b>Note:</b> 150 dpi is the factory default setting.
<b>Darkness</b> 1–9	Lighten or darken the output. <b>Note:</b> 5 is the factory default setting.
<b>Orientation</b> Portrait Landscape	Specify the orientation of the scanned image. <b>Note:</b> Portrait is the factory default setting.
<b>Original Size</b> Letter Legal Executive Folio Statement Oficio (Mexico) Universal Auto Size Sense Mixed Sizes A4 A5 A6 JIS B5 Custom Scan Size [x] Book Original Business Card 3 x 5 in. 4 x 6 in.	Specify the size of the original document. <b>Note:</b> Letter is the U.S. factory default setting. A4 is the international factory default setting.
<b>Sides (Duplex)</b> Off Long edge Short edge	Specify the orientation of the original documents loaded in the ADF for two-sided scanning. <b>Note:</b> Off is the factory default setting.
<b>JPEG Quality</b> Best for content 5–90	Set the quality of a JPEG photo image in relation to the file size and quality of the image. <b>Notes:</b> <ul style="list-style-type: none"> <li>• Best for content is the factory default setting.</li> <li>• 5 reduces the file size, but the quality of the image is lessened.</li> <li>• 90 provides the best image quality, but the file size is very large.</li> </ul>

Use	To
<b>Text Default</b> 5–90	Set the quality of the text in relation to the file size and quality of the image. <b>Note:</b> 75 is the factory default setting.
<b>Text/Photo Default</b> 5–90	Set the quality of a text/photo image in relation to the file size and quality of the image. <b>Note:</b> 75 is the factory default setting.
<b>Photo Default</b> 5–90	Set the quality of a photo image in relation to the file size and quality of the image. <b>Note:</b> 50 is the factory default setting.
<b>Use Multi-Page TIFF</b> On Off	Provide a choice between single-page TIFF files and multiple-page TIFF files. For a multiple-page scan-to-FTP job, either one TIFF file is created containing all the pages, or multiple TIFF files are created with one file for each page of the job. <b>Note:</b> On is the factory default setting.
<b>TIFF Compression</b> LZW JPEG	Specify the format used in compressing TIFF files. <b>Note:</b> LZW is the factory default setting.
<b>Transmission Log</b> Print log Do not print log Print only for error	Specify whether to print the transmission log. <b>Note:</b> Print log is the factory default setting.
<b>Log Paper Source</b> Tray [x] Multipurpose Feeder	Specify a paper source when printing FTP logs. <b>Note:</b> Tray 1 is the factory default setting.
<b>Log Output Bin</b> Standard Bin Bin [x]	Specify the output bin for FTP logs. <b>Note:</b> Standard Bin is the factory default setting.
<b>FTP bit Depth</b> 1 bit 8 bit	Enable the Text/Photo mode to have smaller file sizes by using 1-bit images. <b>Note:</b> 8 bit is the factory default setting.
<b>File Name</b>	Type a base file name.
<b>Custom Job Scanning</b> On Off	Copy a document that contains mixed paper sizes into a single scan job. <b>Note:</b> Off is the factory default setting.
<b>Scan Preview</b> On Off	Specify whether a preview appears on the display for scan jobs. <b>Notes:</b> <ul style="list-style-type: none"> <li>Off is the factory default setting.</li> <li>This menu item appears only when a formatted, working printer hard disk is installed.</li> </ul>
<b>Allow Save as Shortcut</b> On Off	Enable shortcut creation for FTP addresses. <b>Note:</b> On is the factory default setting.

Use	To
<b>Background Removal</b> -4 to 4	Adjust the amount of background visible on a copy. <b>Note:</b> 0 is the factory default setting.
<b>Color Balance</b> Cyan-Red Magenta-Green Yellow-Blue	Enable an equal balance of colors in the output.
<b>Color Dropout</b> Color Dropout None Red Green Blue Default Red Threshold 0–255 Default Green Threshold 0–255 Default Blue Threshold 0–255	Specify which color to drop and to adjust the dropout setting for each color threshold. <b>Notes:</b> <ul style="list-style-type: none"> <li>• None is the factory default setting for Color Dropout.</li> <li>• 128 is the factory default setting for each color threshold.</li> </ul>
<b>Contrast</b> 0–5 Best for content	Specify the contrast of the output. <b>Note:</b> Best for content is the factory default setting.
<b>Mirror Image</b> Off On	Create a mirror image of the original document. <b>Note:</b> Off is the factory default setting.
<b>Negative Image</b> Off On	Create a negative image of the original document. <b>Note:</b> Off is the factory default setting.
<b>Shadow Detail</b> -4 to 4	Adjust the amount of shadow detail visible on a scanned image. <b>Note:</b> 0 is the factory default setting.
<b>ADF Skew Fix</b> Off On	Correct slight skew in the scanned image. <b>Notes:</b> <ul style="list-style-type: none"> <li>• Auto is the factory default setting.</li> <li>• This menu item is supported only in some printer models.</li> </ul>
<b>Scan edge to edge</b> Off On	Specify whether the original document is scanned edge-to-edge. <b>Note:</b> Off is the factory default setting.
<b>Sharpness</b> 1–5	Adjust the amount of sharpness of the scanned image. <b>Note:</b> 3 is the factory default setting.
<b>Temperature</b> -4 to 4	Specify warm or cool outputs. Cool values generate a bluer output than the default while warm values generate a redder output than the default. <b>Note:</b> 0 is the factory default setting.

## Flash Drive menu

### Scan Settings

Use	To
<b>Format</b> PDF (.pdf) TIFF (.tif) JPEG (.jpg) XPS (.xps)	Specify the file format. <b>Note:</b> PDF (.pdf) is the factory default setting.
<b>PDF Settings</b> PDF Version 1.2–1.7 A–1a A–1b PDF Compression Normal High Secure PDF Off On Searchable PDF Off On	Configure the PDF settings. <b>Notes:</b> <ul style="list-style-type: none"> <li>• 1.5 is the factory default setting for PDF Version.</li> <li>• Normal is the factory default setting for PDF Compression.</li> <li>• Off is the factory default setting for Secure PDF and Searchable PDF. Secure PDF requires you to enter your password twice.</li> </ul>
<b>Content Type</b> Text Graphics Text/Photo Photo	Specify the content of the original document. <b>Note:</b> Text/Photo is the factory default setting.
<b>Content Source</b> Black/White Laser Color Laser Inkjet Photo/Film Magazine Newspaper Press Other	Specify how the original document was produced. <b>Note:</b> Color Laser is the factory default setting.
<b>Color</b> On Off	Specify whether the printer captures and transmits content in color. <b>Note:</b> On is the factory default setting.

Use	To
<b>Resolution</b> 75 dpi 150 dpi 200 dpi 300 dpi 400 dpi 600 dpi	Specify the resolution of the scan in dots per inch (dpi). <b>Note:</b> 150 dpi is the factory default setting.
<b>Darkness</b> 1–9	Lighten or darken the output. <b>Note:</b> 5 is the factory default setting.
<b>Orientation</b> Portrait Landscape	Specify the orientation of the scanned image. <b>Note:</b> Portrait is the factory default setting.
<b>Original Size</b> Letter Legal Executive Folio Statement Oficio (Mexico) Universal Auto Size Sense Mixed Sizes A4 A5 A6 JIS B5 Custom Scan Size [x] Book Original Business Card 3 x 5 in. 4 x 6 in.	Specify the size of the original document. <b>Note:</b> Letter is the U.S. factory default setting. A4 is the international factory default setting.
<b>Sides (Duplex)</b> Off Long edge Short edge	Specify the orientation of the original documents loaded in the ADF for two-sided scanning. <b>Note:</b> Off is the factory default setting.
<b>JPEG Quality</b> Best for content 5–90	Set the quality of a JPEG photo image in relation to file size and quality. <b>Notes:</b> <ul style="list-style-type: none"> <li>Best for content is the factory default setting.</li> <li>5 reduces the file size, but the quality of the image is lessened.</li> <li>90 provides the best image quality, but the file size is very large.</li> </ul>
<b>Text Default</b> 5–90	Set the quality of the text in relation to file size and the quality of the image. <b>Note:</b> 75 is the factory default setting.

Use	To
<b>Text/Photo Default</b> 5–90	Set the quality of a text/photo image in relation to file size and quality. <b>Note:</b> 75 is the factory default setting.
<b>Photo Default</b> 5–90	Set the quality of a photo image in relation to file size and quality. <b>Note:</b> 50 is the factory default setting.
<b>Use Multi-Page TIFF</b> On Off	Provide a choice between single-page TIFF files and multiple-page TIFF files. For a multiple-page scan-to-FTP job, either one TIFF file is created containing all the pages, or multiple TIFF files are created with one file for each page. <b>Note:</b> On is the factory default setting.
<b>TIFF Compression</b> LZW JPEG	Specify the format used in compressing TIFF files. <b>Note:</b> LZW is the factory default setting.
<b>Scan Bit Depth</b> 1 bit 8 bit	Enable the Text/Photo mode to produce smaller file sizes by using 1-bit images. <b>Note:</b> 8 bit is the factory default setting.
<b>File Name</b>	Type a base file name.
<b>Custom Job Scanning</b> On Off	Copy a document that contains mixed paper sizes. <b>Note:</b> Off is the factory default setting.
<b>Scan Preview</b> On Off	Specify whether a preview appears on the display for scan jobs. <b>Notes:</b> <ul style="list-style-type: none"> <li>Off is the factory default setting.</li> <li>This menu item appears only when a formatted, working printer hard disk is installed.</li> </ul>
<b>Background Removal</b> -4 to 4	Adjust the amount of background visible on a copy. <b>Note:</b> 0 is the factory default setting.
<b>Color Balance</b> Cyan - Red Magenta - Green Yellow - Blue	Enable an equal balance of colors in the output.
<b>Color Dropout</b> Color Dropout None Red Green Blue Default Red Threshold 0–255 Default Green Threshold 0–255 Default Blue Threshold 0–255	Specify which color to drop and to adjust the dropout setting for each color threshold. <b>Notes:</b> <ul style="list-style-type: none"> <li>None is the factory default setting for Color Dropout.</li> <li>128 is the factory default setting for each color threshold.</li> </ul>

Use	To
<b>Contrast</b> 0–5 Best for content	Specify the contrast of the scanned image. <b>Note:</b> Best for content is the factory default setting.
<b>Mirror Image</b> Off On	Create a mirror image of the original document. <b>Note:</b> Off is the factory default setting.
<b>Negative Image</b> Off On	Create a negative image of the original document. <b>Note:</b> Off is the factory default setting.
<b>Shadow Detail</b> -4 to 4	Adjust the amount of shadow detail visible on a scanned image. <b>Note:</b> 0 is the factory default setting.
<b>ADF Skew Fix</b> Off On	Correct slight skew in the scanned image. <b>Note:</b> Auto is the factory default setting.
<b>Scan edge to edge</b> Off On	Specify whether the original document is scanned edge-to-edge. <b>Note:</b> Off is the factory default setting.
<b>Sharpness</b> 1–5	Adjust the amount of sharpness on a scanned image. <b>Note:</b> 3 is the factory default setting.
<b>Temperature</b> -4 to 4	Specify warm or cool outputs. Cool values generate a bluer output than the default while warm values generate a redder output than the default. <b>Note:</b> 0 is the factory default setting.

## Print Settings

<b>Copies</b> 1–999	Specify a default number of copies for each print job. <b>Note:</b> 1 is the factory default setting.
<b>Paper Source</b> Tray [x] MP Feeder Manual Paper Manual Envelope	Set a default paper source for all print jobs. <b>Note:</b> Tray 1 is the factory default setting.
<b>Color</b> Color Black only	Specify whether to print the document in color. <b>Note:</b> Color is the factory default setting.
<b>Collate</b> (1,1,1) (2,2,2) (1,2,3) (1,2,3)	Stack the pages of a print job in sequence when printing multiple copies. <b>Note:</b> (1,2,3) (1,2,3) is the factory default setting.
<b>Sides (Duplex)</b> 1 sided 2 sided	Enable two-sided printing for incoming print jobs. <b>Note:</b> 1 sided is the factory default setting.

<b>Staple</b> On Off	Specify whether prints are stapled.  <b>Notes:</b> <ul style="list-style-type: none"> <li>Off is the factory default setting.</li> <li>This menu appears only when a stapler is installed.</li> </ul>
<b>Hole Punch</b> On Off	Specify whether prints have punched holes.  <b>Notes:</b> <ul style="list-style-type: none"> <li>Off is the factory default setting.</li> <li>This menu appears only when a puncher is installed.</li> </ul>
<b>Hole Punch Mode</b> 2 holes 3 holes 4 holes	Specify the number of holes to be made on the prints.  <b>Notes:</b> <ul style="list-style-type: none"> <li>3 holes is the U.S. factory default setting. 4 holes is the international factory default setting.</li> <li>This menu appears only when a puncher is installed.</li> </ul>
<b>Duplex Binding</b> Long Edge Short Edge	Define binding for two-sided pages in relation to page orientation.  <b>Notes:</b> <ul style="list-style-type: none"> <li>Long Edge is the factory default setting. This assumes binding along the long edge of the page (left edge for portrait and top edge for landscape).</li> <li>Short Edge assumes binding along the short edge of the page (top edge for portrait and left edge for landscape).</li> </ul>
<b>Paper Saver Orientation</b> Auto Landscape Portrait	Specify the orientation of a multiple-page document.  <b>Note:</b> Auto is the factory default setting.
<b>Paper Saver</b> Off 2-Up 3-Up 4-Up 6-Up 9-Up 12-Up 16-Up	Print multiple-page images on one side of the paper.  <b>Note:</b> Off is the factory default setting.
<b>Paper Saver Border</b> None Solid	Print a border on each page image.  <b>Note:</b> None is the factory default setting.
<b>Paper Saver Ordering</b> Horizontal Reverse Horizontal Reverse Vertical Vertical	Specify the positioning of multiple-page images.  <b>Notes:</b> <ul style="list-style-type: none"> <li>Horizontal is the factory default setting.</li> <li>Positioning depends on the number of page images and whether they are in portrait or in landscape orientation.</li> </ul>



<b>Separator Sheets</b> Off Between Copies Between Jobs Between Pages	Specify whether to insert blank separator sheets. <b>Note:</b> Off is the factory default setting.
<b>Separator Sheet Source</b> Tray [x] Manual Feeder	Specify the paper source for separator sheets. <b>Note:</b> Tray 1 is the factory default setting.
<b>Blank Pages</b> Do Not Print Print	Specify whether to insert blank pages in a print job. <b>Note:</b> Do Not Print is the factory default setting.

## OCR Settings menu

Use	To
<b>Auto Rotate</b> On Off	Automatically rotate scanned documents for proper orientation. <b>Note:</b> On is the factory default setting.
<b>Despeckle</b> Off On	Remove specks from a scanned image. <b>Note:</b> Off is the factory default setting.
<b>Inverse Detection</b> On Off	Recognize and make the white text on a black background editable. <b>Note:</b> On is the factory default setting.
<b>Auto Contrast Enhance</b> Off On	Automatically adjust the contrast to improve OCR quality. <b>Note:</b> Off is the factory default setting.
<b>Recognized Languages</b> English French German Spanish Italian Portugues Danish Dutch Norwegian Swedish Finnish Hungarian Polish	Set the language or languages that the OCR can recognize. For each language, select from the following options: Off On <b>Note:</b> The language is enabled by default. If it is set to a value that is not in the list of recognized languages, English is enabled by default.

## Print Settings

### Setup menu

Menu item	Description
<b>Printer Language</b> PS Emulation PCL Emulation	Sets the default printer language  <b>Notes:</b> <ul style="list-style-type: none"> <li>• PS Emulation is the factory default setting. PostScript emulation uses a PS interpreter for processing print jobs.</li> <li>• PCL Emulation uses a PCL interpreter for processing print jobs.</li> <li>• Setting a printer language default does not prevent a software program from sending print jobs that use another printer language.</li> </ul>
<b>Job Waiting</b> Off On	Specifies if print jobs are removed from the print queue when they require unavailable printer options or custom settings. These print jobs are stored in a separate print queue, so other jobs print normally. When the missing information and/or options are obtained, the stored jobs print.  <b>Notes:</b> <ul style="list-style-type: none"> <li>• Off is the factory default setting.</li> <li>• This menu item appears only if a non-read-only printer hard disk is installed. This requirement ensures that stored jobs are not deleted if the printer loses power.</li> </ul>
<b>Print Area</b> Normal Fit to Page Whole Page	Sets the logical and physical printable area  <b>Notes:</b> <ul style="list-style-type: none"> <li>• Normal is the factory default setting. When attempting to print data in the non-printable area defined by the Normal setting, the printer clips the image at the boundary.</li> <li>• Fit to Page fits the page content into the selected paper size.</li> <li>• Whole Page allows the image to be moved into the non-printable area defined by the Normal setting, but the printer clips the image at the Normal setting boundary. This setting affects only pages printed using a PCL 5e interpreter and has no effect on pages printed using the PCL XL or PostScript interpreter.</li> </ul>
<b>Black Only Mode</b> Off On	Sets the printer to print text and graphics using only the black print cartridge  <b>Note:</b> Off is the factory default setting.

Menu item	Description
<b>Download Target</b> RAM Flash Disk	Sets the storage location for downloads  <b>Notes:</b> <ul style="list-style-type: none"> <li>• RAM is the factory default setting. Storing downloads in RAM is temporary.</li> <li>• Storing downloads in flash memory or on a printer hard disk places them in permanent storage. Downloads remain in flash memory or on the printer hard disk even when the printer is turned off.</li> <li>• This menu item appears only if a flash and/or disk option is installed.</li> </ul>
<b>Resource Save</b> Off On	Specifies how the printer handles temporary downloads, such as fonts and macros stored in RAM, when the printer receives a print job that requires more memory than is available  <b>Notes:</b> <ul style="list-style-type: none"> <li>• Off is the factory default setting. Off sets the printer to retain downloads only until memory is needed. Downloads are deleted in order to process print jobs.</li> <li>• On sets the printer to retain downloads during language changes and printer resets. If the printer runs out of memory, <b>38 Memory Full</b> appears, but downloads are not deleted.</li> </ul>
<b>Print All Order</b> Alphabetical Oldest First Newest First	Specifies the order in which held and confidential jobs are printed when Print All is selected  <b>Notes:</b> <ul style="list-style-type: none"> <li>• Alphabetical is the factory default setting.</li> <li>• Print jobs always appear in alphabetical order on the printer control panel.</li> </ul>

## Job Accounting menu

**Note:** This menu item appears only if a formatted, non-defective printer hard disk is installed. The printer hard disk cannot be read/write- or write-protected.

Menu item	Description
<b>Job Accounting Log</b> Off On	Determines if the printer creates a log of the print jobs it receives  <b>Note:</b> Off is the factory default setting.
<b>Job Accounting Utilities</b>	Lets you print and delete log files or export them to a flash drive
<b>Accounting Log Frequency</b> Monthly Weekly	Determines how often a log file is created  <b>Note:</b> Monthly is the factory default setting.

Menu item	Description
<b>Log Action at End of Frequency</b> None E-mail Current Log E-mail & Delete Current Log Post Current Log Post & Delete Current Log	Determines how the printer responds when the frequency threshold expires <b>Note:</b> None is the factory default setting.
<b>Disk Near Full Level</b> 1–99 Off	Specifies the maximum size of the log file before the printer executes the Disk Near Full Action <b>Note:</b> 5MB is the factory default setting.
<b>Disk Near Full Action</b> None E-mail Current Log E-mail & Delete Current Log E-mail & Delete Oldest Log Post Current Log Post & Delete Current Log Post & Delete Oldest Log Delete Current Log Delete Oldest Log Delete All Logs Delete All But Current	Determines how the printer responds when the printer hard disk is nearly full <b>Notes:</b> <ul style="list-style-type: none"> <li>• None is the factory default setting.</li> <li>• The value defined in Disk Near Full Level determines when this action is triggered.</li> </ul>
<b>Disk Full Action</b> None E-mail & Delete Current Log E-mail & Delete Oldest Log Post & Delete Current Log Post & Delete Oldest Log Delete Current Log Delete Oldest Log Delete All Logs Delete All But Current	Determines how the printer responds when disk usage reaches the maximum limit (100MB) <b>Note:</b> None is the factory default setting.
<b>URL to Post Logs</b>	Determines where the printer posts job accounting logs
<b>E-mail Address to Send Logs</b>	Specifies the e-mail address to which the device sends job accounting logs
<b>Log File Prefix</b>	<b>Note:</b> The current host name defined in the TCP/IP menu is used as the default log file prefix.

## Finishing menu

Menu item	Description
<b>Sides (Duplex)</b> 1 sided 2 sided	Specifies whether duplex (2-sided) printing is set as the default for all print jobs  <b>Notes:</b> <ul style="list-style-type: none"> <li>1 sided is the factory default setting.</li> <li>You can set 2-sided printing from the software program. For Windows users, click <b>File &gt; Print</b>, and then click <b>Properties, Preferences, Options</b>, or <b>Setup</b>. For Macintosh users, choose <b>File &gt; Print</b>, and then adjust the settings from the print dialog and pop-up menus.</li> </ul>
<b>Duplex Binding</b> Long Edge Short Edge	Defines the way duplexed pages are bound and how the printing on the back of the page is oriented in relation to the printing on the front of the page  <b>Notes:</b> <ul style="list-style-type: none"> <li>Long Edge is the factory default setting. Long edge assumes binding along the long edge of the page (left edge for portrait and top edge for landscape).</li> <li>Short edge assumes binding along the short edge of the page (top edge for portrait and left edge for landscape).</li> </ul>
<b>Copies</b> 1–999	Specifies the default number of copies for each print job  <b>Note:</b> 1 is the factory default setting.
<b>Blank Pages</b> Do Not Print Print	Specifies whether blank pages are inserted in a print job  <b>Note:</b> Do Not Print is the factory default setting.
<b>Collate</b> On (1,2,1,2,1,2) Off (1,1,1,2,2,2)	Stacks the pages of a print job in sequence when printing multiple copies  <b>Notes:</b> <ul style="list-style-type: none"> <li>On is the factory default setting.</li> <li>On stacks the print job in sequence.</li> </ul>
<b>Separator Sheets</b> Off Between Copies Between Jobs Between Pages	Specifies whether blank separator sheets are inserted  <b>Notes:</b> <ul style="list-style-type: none"> <li>Off is the factory default setting.</li> <li>Between Copies inserts a blank sheet between each copy of a print job if Collate is set to On. If Collate is set to Off, a blank page is inserted between each set of printed pages, such as after all page 1's and after all page 2's.</li> <li>Between Jobs inserts a blank sheet between print jobs.</li> <li>Between Pages inserts a blank sheet between each page of a print job. This setting is useful when printing transparencies or when inserting blank pages in a document.</li> </ul>
<b>Separator Source</b> Tray [x] Manual Feeder	Specifies the paper source for separator sheets  <b>Notes:</b> <ul style="list-style-type: none"> <li>Tray 1 (standard tray) is the factory default setting.</li> <li>From the Paper menu, Configure MP must be set to Cassette for Manual Feeder to appear as a menu setting.</li> </ul>

Menu item	Description
<b>Paper Saver</b> Off 2-Up 3-Up 4-Up 6-Up 9-Up 12-Up 16-Up	Specifies that multiple-page images be printed on one side of a paper <b>Notes:</b> <ul style="list-style-type: none"> <li>Off is the factory default setting.</li> <li>The number selected is the number of page images that will print per side.</li> </ul>
<b>Paper Saver Ordering</b> Horizontal Reverse Horizontal Reverse Vertical Vertical	Specifies the positioning of multiple-page images <b>Notes:</b> <ul style="list-style-type: none"> <li>Horizontal is the factory default setting.</li> <li>Positioning depends on the number of page images and whether they are in portrait or landscape orientation.</li> </ul>
<b>Paper Saver Orientation</b> Auto Landscape Portrait	Specifies the orientation of a multiple-page document <b>Note:</b> Auto is the factory default setting. The printer chooses between portrait and landscape.
<b>Paper Saver Border</b> None Solid	Prints a border on each page image. <b>Note:</b> None is the factory default setting.
<b>Staple Job</b> Off On	Specifies whether prints are stapled <b>Note:</b> This menu appears only when a stapler is installed.
<b>Hole Punch</b> Off On	Specifies whether prints have punched holes <b>Note:</b> This menu appears only when a puncher is installed.
<b>Hole Punch Mode</b> 2 holes 3 holes 4 holes	Determines the type of punch finishing performed on a print <b>Notes:</b> <ul style="list-style-type: none"> <li>3 holes is the US factory default setting. 4 holes is the international factory default setting.</li> <li>This menu appears only when a puncher is installed.</li> </ul>
<b>Offset Pages</b> None Between Copies Between Jobs	Offsets pages at certain instances <b>Notes:</b> <ul style="list-style-type: none"> <li>None is the factory default setting.</li> <li>Between Copies offsets each copy of a print job if Collate is set to On. If Collate is set to Off, each set of printed pages are offset, such as all page 1's and all page 2's.</li> <li>Between Jobs sets the same offset position for the entire print job regardless of the number of copies printed.</li> <li>This menu appears only when a stapler is installed.</li> </ul>

## Quality menu

Use	To
<b>Print Mode</b> Color Black Only	Specify whether to print images in color. <b>Note:</b> Color is the factory default setting.
<b>Color Correction</b> Auto Off Manual	Adjust the color output on the printed page. <b>Note:</b> Auto is the factory default setting.
<b>Print Resolution</b> 1200 dpi 4800 CQ	Specify the output resolution in dots per inch (dpi) or in color quality (CQ). <b>Note:</b> 4800 CQ is the factory default setting.
<b>Toner Darkness</b> 1–5	Lighten or darken the output. <b>Note:</b> 4 is the factory default setting.
<b>Enhance Fine Lines</b> On Off	Enable a print mode preferable for files such as architectural drawings, maps, electrical circuit diagrams, and flow charts. <b>Note:</b> Off is the factory default setting.
<b>Color Saver</b> On Off	Reduce the amount of toner used for graphics and images. <b>Notes:</b> <ul style="list-style-type: none"> <li>Off is the factory default setting.</li> <li>On overrides the Toner Darkness setting.</li> </ul>
<b>RGB Brightness</b> -6 to 6	Adjust the brightness of the output. <b>Note:</b> 0 is the factory default setting.
<b>RGB Contrast</b> 0–5	Adjust the contrast of the output. <b>Note:</b> 0 is the factory default setting.
<b>RGB Saturation</b> 0–5	Adjust saturation in color outputs. <b>Note:</b> 0 is the factory default setting.
<b>Color Balance</b> Cyan -5 to 5 Magenta -5 to 5 Yellow -5 to 5 Black -5 to 5 Reset Defaults	Enable an equal balance of colors in the output. <b>Note:</b> 0 is the factory default setting.

Use	To
<b>Color Samples</b> sRGB Display sRGB Vivid Display—True Black Vivid Off—RGB US CMYK Euro CMYK Vivid CMYK Off—CMYK	Print sample pages for each of the RGB and CMYK color conversion tables used in the printer.
<b>Manual Color</b> RGB Image RGB Text RGB Graphics	Customize the RGB color conversions. Select from the following options: Vivid sRGB Display Display—True Black sRGB Vivid Off <b>Notes:</b> <ul style="list-style-type: none"> <li>• sRGB Display is the factory default setting for RGB Image.</li> <li>• sRGB Vivid is the factory default setting for RGB Text and RGB Graphics.</li> </ul>
<b>Manual Color (continued)</b> CMYK Image CMYK Text CMYK Graphics	Customize the CMYK color conversions. Select from the following options: US CMYK Euro CMYK Vivid CMYK Off <b>Note:</b> US CMYK is the U.S. factory default setting. Euro CMYK is the international factory default setting.
<b>Color Adjust</b>	Initiate a recalibration of color conversion tables and allow the printer to make adjustments for color variations in output.
<b>Spot Color Replacement</b>	Assign specific CMYK values to named spot colors. <b>Note:</b> This menu is available only on the Embedded Web Server.
<b>RGB Replacement</b>	Match the colors of the output with that of the original document. <b>Note:</b> This menu is available only on the Embedded Web Server.



## Utilities menu

Menu item	Description
<b>Remove Held Jobs</b> Confidential Held Not Restored All	Removes confidential and held jobs from the printer hard disk  <b>Notes:</b> <ul style="list-style-type: none"> <li>• Selecting a setting affects only print jobs that are resident in the printer. Bookmarks, print jobs on flash drives, and other types of held jobs are not affected.</li> <li>• Not Restored removes all Print and Hold jobs that are <i>not</i> restored from the printer hard disk or memory.</li> </ul>
<b>Format Flash</b> Yes No	Formats the flash memory  <b>Warning—Potential Damage:</b> Do not turn off the printer while the flash memory is being formatted.  <b>Notes:</b> <ul style="list-style-type: none"> <li>• Yes deletes all data stored in flash memory.</li> <li>• No cancels the format request.</li> <li>• Flash memory refers to the memory added by installing a flash memory option card in the printer.</li> <li>• A flash memory option card must be installed in the printer and operating properly for this menu item to be available.</li> <li>• The flash memory option card must not be read/write- or write-protected.</li> </ul>
<b>Delete Downloads on Disk</b> Delete Now Do Not Delete	Removes downloads from the printer hard disk, including all held jobs, buffered jobs, and parked jobs  <b>Notes:</b> <ul style="list-style-type: none"> <li>• Delete Now configures the printer control panel to return to the originating screen after the deletion process is completed.</li> <li>• Do Not Delete sets the printer control panel to return to the main Utilities menu.</li> </ul>
<b>Activate Hex Trace</b>	Assists in isolating the source of a print job problem  <b>Notes:</b> <ul style="list-style-type: none"> <li>• When activated, all data sent to the printer is printed in hexadecimal and character representation, and control codes are not executed.</li> <li>• To exit or deactivate Hex Trace, turn the printer off or reset the printer.</li> </ul>
<b>Coverage Estimator</b> Off On	Provides an estimate of the percentage coverage of toner on a page. The estimate is printed on a separate page at the end of each print job.  <b>Note:</b> Off is the factory default setting.

## XPS menu

Menu item	Description
<b>Print Error Pages</b> Off On	Prints a page containing information on errors, including XML markup errors <b>Note:</b> Off is the factory default setting.

## PDF menu

Menu item	Description
<b>Scale to Fit</b> No Yes	Scales page content to fit the selected paper size <b>Note:</b> No is the factory default setting.
<b>Annotations</b> Do Not Print Print	Prints annotations in a PDF <b>Note:</b> Do Not Print is the factory default setting.

## PostScript menu

Menu item	Description
<b>Print PS Error</b> Off On	Prints a page containing the PostScript error <b>Note:</b> Off is the factory default setting.
<b>Lock PS Startup Mode</b> Off On	Enables users to disable the SysStart file <b>Note:</b> Off is the factory default setting.
<b>Font Priority</b> Resident Flash/Disk	Establishes the font search order <b>Notes:</b> <ul style="list-style-type: none"> <li>• Resident is the factory default setting.</li> <li>• This menu item is available only if a formatted flash memory option card or printer hard disk is installed and operating properly.</li> <li>• Make sure the flash memory option or printer hard disk is not read/write-, write-, or password-protected.</li> <li>• Job Buffer Size must not be set to 100%.</li> </ul>
<b>Image Smoothing</b> Off On	Enhances the contrast and sharpness of low-resolution images and smooths their color transitions <b>Notes:</b> <ul style="list-style-type: none"> <li>• Off is the factory default setting.</li> <li>• Image Smoothing has no effect on images that are 300 dpi or higher in resolution.</li> </ul>

## PCL Emul menu

Use	To
<b>Font Source</b> Resident Disk Download Flash All	Determine where fonts are downloaded or saved.  <b>Notes:</b> <ul style="list-style-type: none"> <li>• Resident is the factory default setting.</li> <li>• Download appears only if downloaded fonts exist in the printer memory.</li> <li>• Disk appears only if a working, non-read/write protected hard disk that contains fonts is installed.</li> <li>• Flash appears only if a working, non-read protected flash option that contains fonts is installed.</li> </ul>
<b>Font Name</b> R0 Courier	Identify a specific font and the option where it is stored.
<b>Symbol Set</b> 10U PC-8 12U PC-850	Specify the symbol set for each font name. <b>Note:</b> 10U PC-8 is the U.S. factory default setting. 12U PC-850 is the international factory default setting.
<b>PCL Emul Settings</b> Pitch 0.08–100.00	Specify the font pitch for scalable monospaced fonts. <b>Note:</b> 10.00 is the factory default setting.
<b>PCL Emul Settings</b> Orientation Portrait Landscape	Specify the orientation of text and graphics on the page. <b>Note:</b> Portrait is the factory default setting.
<b>PCL Emul Settings</b> Lines per Page 1–255	Specify the number of lines that print on each page. <b>Note:</b> 60 is the U.S. factory default setting. 64 is the international default setting.
<b>PCL Emul Settings</b> A4 Width 198 mm 203 mm	Set the width of the A4-size paper. <b>Note:</b> 198 mm is the factory default setting.
<b>PCL Emul Settings</b> Auto CR after LF On Off	Specify whether the printer automatically performs a carriage return (CR) after a line feed (LF) control command. <b>Note:</b> Off is the factory default setting.
<b>PCL Emul Settings</b> Auto LF after CR On Off	Specify whether the printer automatically performs a line feed (LF) after a carriage return (CR) control command. <b>Note:</b> Off is the factory default setting.

Use	To
<b>Tray Renumber</b> Assign MP Feeder Off None 0–199 Assign Tray [x] Off None 0–199 Assign Manual Paper Off None 0–199 Assign Manual Env Off None 0–199	Configure the printer to work with printer software or programs that use different source assignments for trays and feeders. <b>Note:</b> Off is the factory default setting.
<b>Tray Renumber</b> View Factory Defaults MPF Default = 8 T1 Default = 1 T2 Default = 4 T3 Default = 5 T4 Default = 20 T5 Default = 21 Env Default = 6 MPaper Default = 2 MEnv Default = 3	Display the factory default setting assigned to each tray or feeder.
<b>Tray Renumber</b> Restore Defaults Yes No	Restore default tray and feeder assignments.

## HTML menu

Menu Item		Description
<b>Font Name</b>	Joanna MT	Sets the default font for HTML documents <b>Note:</b> The Times font is used in HTML documents that do not specify a font.
Albertus MT	Letter Gothic	
Antique Olive	Lubalin Graph	
Apple Chancery	Marigold	
Arial MT	MonaLisa Recut	
Avant Garde	Monaco	
Bodoni	New CenturySbk	
Bookman	New York	
Chicago	Optima	
Clarendon	Oxford	
Cooper Black	Palatino	
Copperplate	StempelGaramond	
Coronet	Taffy	
Courier	Times	
Eurostile	TimesNewRoman	
Garamond	Univers	
Geneva	Zapf Chancery	
Gill Sans	NewSansMTCS	
Goudy	NewSansMTCT	
Helvetica	New SansMTJA	
Hoefler Text	NewSansMTKO	
Intl CG Times		
Intl Courier		
Intl Univers		

Menu item	Description
<b>Font Size</b> 1–255 pt	Sets the default font size for HTML documents <b>Notes:</b> <ul style="list-style-type: none"> <li>• 12 pt is the factory default setting.</li> <li>• Font size can be increased in 1-point increments.</li> </ul>
<b>Scale</b> 1–400%	Scales the default font for HTML documents <b>Notes:</b> <ul style="list-style-type: none"> <li>• 100% is the factory default setting.</li> <li>• Scaling can be increased in 1% increments.</li> </ul>
<b>Orientation</b> Portrait Landscape	Sets the page orientation for HTML documents <b>Note:</b> Portrait is the factory default setting.

Menu item	Description
<b>Margin Size</b> 8–255 mm	Sets the page margin for HTML documents  <b>Notes:</b> <ul style="list-style-type: none"> <li>• 19 mm is the factory default setting.</li> <li>• Margin size can be increased in 1-mm increments.</li> </ul>
<b>Backgrounds</b> Print Do Not Print	Specifies whether to print backgrounds on HTML documents  <b>Note:</b> Print is the factory default setting.

## Image menu

Menu item	Description
<b>Auto Fit</b> On Off	Selects the optimal paper size, scaling, and orientation  <b>Note:</b> On is the factory default setting. It overrides scaling and orientation settings for some images.
<b>Invert</b> Off On	Inverts bi-tonal monochrome images  <b>Notes:</b> <ul style="list-style-type: none"> <li>• Off is the factory default setting.</li> <li>• This setting does not apply to GIF or JPEG images.</li> </ul>
<b>Scaling</b> Best Fit Anchor Center Fit Height/Width Fit Height Fit Width Anchor Top Left	Scales the image to fit the selected paper size  <b>Notes:</b> <ul style="list-style-type: none"> <li>• Best Fit is the factory default setting.</li> <li>• When Auto Fit is set to On, Scaling is automatically set to Best Fit.</li> </ul>
<b>Orientation</b> Portrait Landscape Rev Portrait Rev Landscape	Sets the image orientation  <b>Note:</b> Portrait is the factory default setting.

## Help menu

The Help menu consists of a series of Help pages that are stored in the multifunction printer (MFP) as PDF files. They contain information about using the printer and performing various tasks, including copying, scanning, and faxing.

English, French, German, and Spanish translations are stored in the printer. Other translations are available at <http://support.lexmark.com>.

Menu item	Description
Print All Guides	Prints all the guides
Copy Guide	Provides information about making copies and changing settings
Fax Guide	Provides information about sending faxes using fax numbers, shortcut numbers, or the address book, and about changing settings
E-mail Guide	Provides information about sending e-mails using addresses, shortcut numbers, or the address book, and about changing settings
FTP Guide	Provides information about scanning documents directly to an FTP server using an FTP address, shortcut numbers, or the address book, and about changing settings
Print Defects Guide	Provides help in resolving repeating defects in copies or prints
Information Guide	Provides help in locating additional information
Supplies Guide	Provides part numbers for ordering supplies

# Securing the memory before moving the printer

## Statement of Volatility

Your printer contains various types of memory that are capable of storing device and network settings, information from embedded solutions, and user data. The types of memory—along with the types of data stored by each—are described below.

- **Volatile memory**—Your device utilizes standard *Random Access Memory* (RAM) to temporarily buffer user data during simple print and copy jobs.
- **Non-volatile memory**—Your device may utilize two forms of non-volatile memory: EEPROM and NAND (flash memory). Both types are used to store the operating system, device settings, network information, scanner and bookmark settings, and embedded solutions.
- **Hard disk memory**—Some devices have a hard disk drive installed. The printer hard disk is designed for device-specific functionality and cannot be used for long term storage for data that is not print-related. The hard disk does not provide the capability for users to extract information, create folders, create disk or network file shares, or FTP information directly from a client device. The hard disk can retain buffered user data from complex scan, print, copy, and fax jobs, as well as form data, and font data.

There are several circumstances under which you might wish to erase the contents of the memory devices installed in your printer. A partial list includes:

- The printer is being decommissioned
- The printer hard drive is being replaced
- The printer is being moved to a different department or location
- The printer is being serviced by someone from outside your organization
- The printer is being removed from your premises for service
- The printer is being sold to another organization

## Disposing of a hard drive

**Note:** Not all printers have a hard disk installed.

In high-security environments, it may be necessary to take additional steps to ensure that confidential data stored on the printer hard disk cannot be accessed once the printer—or its hard disk—is removed from your premises. While most data can be erased electronically, you may want to consider one or more of the following actions before disposing of a printer or hard disk:

- **Degaussing**—Flushes the hard drive with a magnetic field that erases stored data
- **Crushing**—Physically compresses the hard disk to break component parts and render them unreadable
- **Milling**—Physically shreds the hard disk into small metal bits

**Note:** While most data can be erased electronically, the only way to guarantee that all data is completely erased is to physically destroy each memory device on which data could have been stored.

## Erasing volatile memory

The volatile memory (RAM) installed on your printer requires a power source to retain information. To erase the buffered data, simply power down the device.



## Erasing non-volatile memory

- **Individual settings, device and network settings, security settings, and embedded solutions**—Erase information and settings by selecting Wipe All Settings in the Configuration menu.
- **Fax data**—Erase fax settings and data by selecting Wipe All Settings in the Configuration menu.

1 Turn off the printer.

2 Hold down **2** ABC and **6** MNO while turning the printer on. Release the buttons only when the screen with the progress bar appears.

The printer performs a power-on sequence, and then the Configuration menu appears. When the printer is fully powered up, the touch screen displays a list of functions, instead of the standard home screen icons.

3 Touch **Wipe All Settings**.

The printer will reboot several times during this process.

**Note:** Wipe All Settings securely removes device settings, solutions, jobs, faxes, and passwords on the printer.

4 Touch **Back > Exit Config Menu**.

The printer will power-on reset, and then return to normal operating mode.

## Erasing printer hard disk memory

### Notes:

- Some printer models may not have a printer hard disk installed.
- Configuring Erase Temporary Data Files in the printer menus lets you remove residual confidential material left by print jobs by securely overwriting files that have been marked for deletion.

### Using the printer control panel

1 Turn off the printer.

2 Hold down **2** and **6** while turning the printer on. Release the buttons only when the screen with the progress bar appears.

The printer performs a power-on sequence, and then the Configuration menu appears. When the printer is fully turned on, the touch screen displays a list of functions.

3 Touch **Wipe Disk**, and then touch one of the following:

- **Wipe disk (fast)**—This lets you overwrite the disk with all zeroes in a single pass.
- **Wipe disk (secure)**—This lets you overwrite the disk with random bit patterns several times, followed by a verification pass. A secure overwrite is compliant with the DoD 5220.22-M standard for securely erasing data from a hard disk. Highly confidential information should be wiped using this method.

4 Touch **Yes** to proceed with disk wiping.

### Notes:

- A status bar will indicate the progress of the disk wiping task.
- Disk wiping can take from several minutes to more than an hour, during which the printer will be unavailable for other user tasks.

5 Touch **Back > Exit Config Menu**.

The printer will perform a power-on reset, and then return to normal operating mode.

## Configuring printer hard disk encryption

**Note:** Your printer may not have a hard disk installed.

Enabling hard disk encryption helps prevent the loss of sensitive data in the event your printer or its hard disk is stolen.

### Using the Embedded Web Server

- 1 From the Embedded Web Server, click **Settings > Security > Disk Encryption**.

**Note:** Disk Encryption appears in the Security Menu only when a formatted, non-defective printer hard disk is installed.

- 2 From the Disk encryption menu, select **Enable**.

**Notes:**

- Enabling disk encryption will erase the content of the printer hard disk.
- Disk encryption can take from several minutes to more than an hour, during which the printer will be unavailable for other user tasks.

- 3 Click **Submit**.

### Using the printer control panel

- 1 Turn off the printer.

- 2 Hold down **2 ABC** and **6 MWD** while turning the printer on. Release the buttons only when the screen with the progress bar appears.

The printer performs a power-on sequence, and then the Configuration menu appears. Once the printer is fully powered up, the touch screen displays a list of functions, instead of standard home screen icons such as Copy or Fax.

- 3 Touch **Disk Encryption > Enable**.

**Note:** Enabling disk encryption will erase the contents of the printer hard disk.

- 4 Touch **Yes** to proceed with disk wiping.

A status bar will indicate the progress of the disk wiping task. After the disk has been encrypted, the printer will return to the Enable/Disable screen.

**Notes:**

- Do not turn off the printer during the encryption process. Doing so may result in loss of data.
- Disk encryption can take from several minutes to more than an hour, during which the printer will be unavailable for other user tasks.

- 5 Touch **Back**, and then **Exit Config Menu**.

The printer will power-on reset, and then return to normal operating mode.

# Maintaining the printer

## Cleaning the exterior of the printer

- 1 Make sure that the printer is turned off and unplugged from the wall outlet.



**CAUTION—SHOCK HAZARD:** To avoid the risk of electric shock when cleaning the exterior of the printer, unplug the power cord from the wall outlet and disconnect all cables to the printer before proceeding.

- 2 Remove paper from the standard exit bin.
- 3 Dampen a clean, lint-free cloth with water.

**Warning—Potential Damage:** Do not use household cleaners or detergents, as they may damage the finish of the printer.

- 4 Wipe only the outside of the printer, making sure to include the standard exit bin.

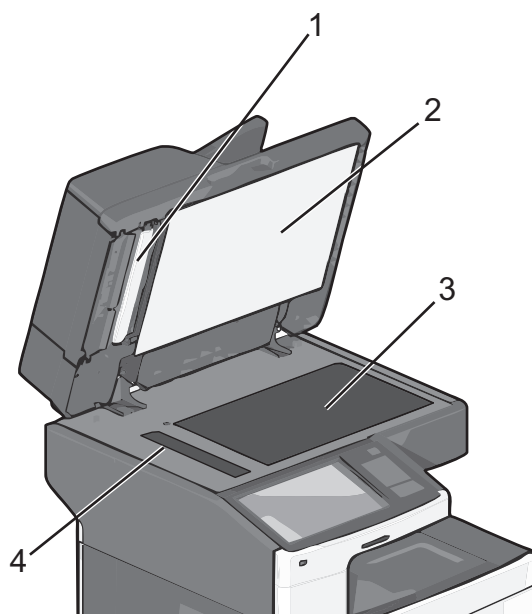
**Warning—Potential Damage:** Using a damp cloth to clean the interior may cause damage to your printer.

- 5 Make sure the paper support and standard exit bin are dry before beginning a new print job.

## Cleaning the scanner glass

Clean the scanner glass if you encounter print quality problems, such as streaks on copied or scanned images.

- 1 Slightly dampen a soft, lint-free cloth or paper towel with water.
- 2 Open the scanner cover.

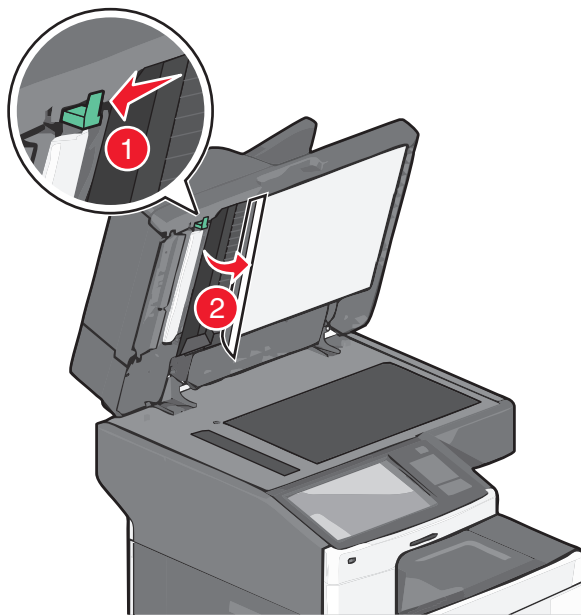


1	White underside of the ADF cover
2	White underside of the scanner cover

3	Scanner glass
4	ADF glass

3 Wipe the areas shown and let them dry.

4 Open the bottom ADF door.



5 Wipe the ADF scanner glass under the ADF door.

6 Close the bottom ADF door.

7 Close the scanner cover.

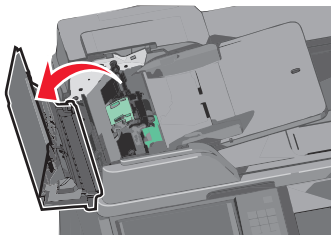
## Cleaning the ADF parts

Clean the ADF parts periodically to maintain optimal printing performance. Residue on the ADF parts may cause print quality issues and false 280–299 paper jam messages.

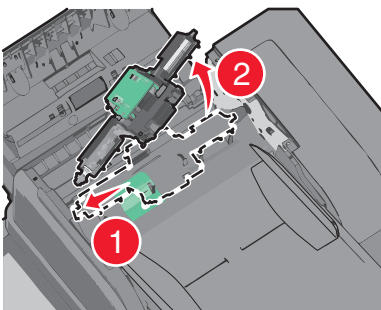
1 Turn the printer off.

2 Slightly dampen a soft, lint-free cloth with water.

3 Open the ADF cover.

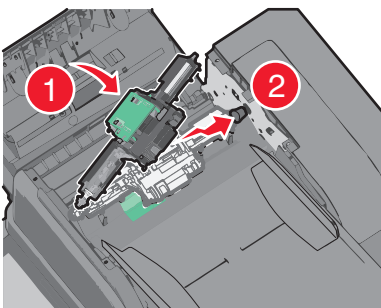


- 4** Remove the pick roller assembly.



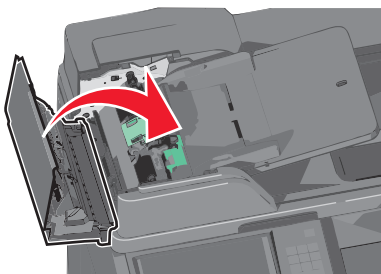
- 5** Wipe the surface of both pick rollers.

- 6** Replace the pick roller assembly.



- 7** Wipe the entire surface under the ADF cover.

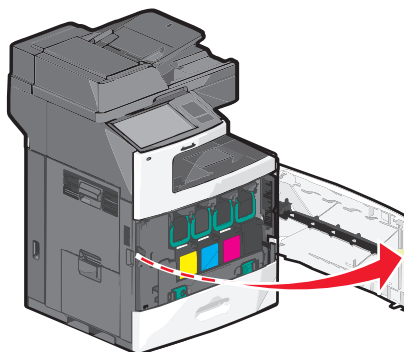
- 8** Close the ADF cover.



## Cleaning the printhead lenses

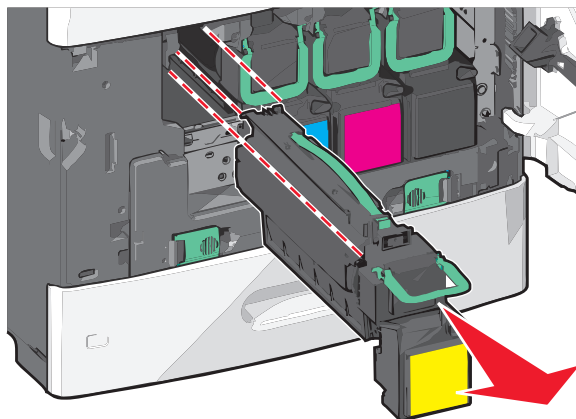
Clean the printhead lenses when you encounter print quality problems.

- 1 Open the front door.

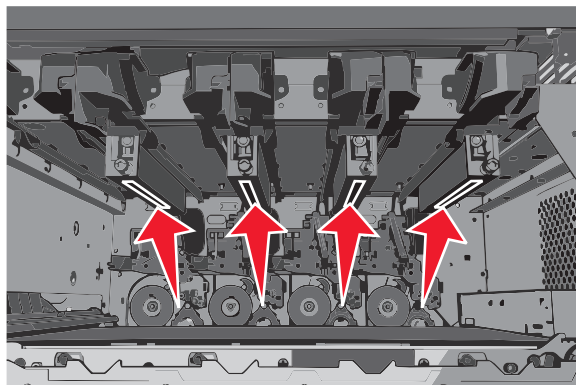


- 2 Remove all print cartridges.

**Warning—Potential Damage:** Do not touch the shiny area on the photoconductor drum. Doing so can damage the photoconductor.



- 3 Locate the four printhead lenses.

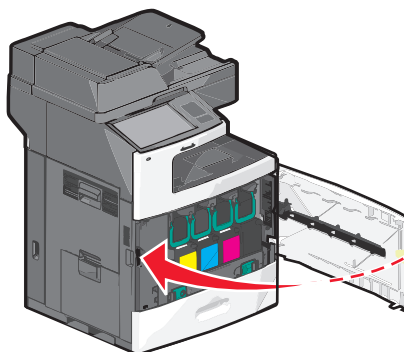


- 4 Clean the lenses using compressed air.

**Warning—Potential Damage:** Do not touch the printhead lenses.

- 5 Reinstall the print cartridges.

6 Close the front door.



## Storing supplies

Choose a cool, clean storage area for the printer supplies. Store supplies right side up in their original packing until you are ready to use them.

Do not expose supplies to:

- Direct sunlight
- Temperatures above 35°C (95°F)
- High humidity above 80%
- Salty air
- Corrosive gases
- Heavy dust

## Checking the status of supplies

A message appears on the display when a replacement supply item is needed or when maintenance is required.

### Checking the status of supplies from the printer control panel

From the home screen, touch **Status/Supplies** > **View Supplies**.

### Checking the status of supplies from a network computer

**Note:** The computer must be connected to the same network as the printer.

1 Type the printer IP address into the address field of your Web browser.

If you do not know the IP address of the printer, you can:

- View the IP address on the printer control panel in the TCP/IP section under the Networks/Ports menu.
- Print a network setup page or the menu settings pages and locate the IP address in the TCP/IP section.

2 Click **Device Status**.

The Device Status page appears, displaying a summary of supply levels.

## Ordering supplies

To order supplies in the U.S., contact Lexmark at 1-800-539-6275 for information about Lexmark authorized supplies dealers in your area. In other countries or regions, go to the Lexmark support Web site at [www.lexmark.com](http://www.lexmark.com) or contact the place where you purchased the printer.

### Notes:

- The toner gauge is an estimate of how much toner is left in your cartridge.
- All life estimates for printer supplies assume printing on letter- or A4-size plain paper.

## Ordering a print cartridge

When **88 [color] cartridge low** or **88 [color] cartridge nearly low** appears, order a new cartridge.

Estimated cartridge yield is based on the ISO/IEC 19798 standard. Extremely low print coverage (less than 1.25%) for extended periods of time may negatively affect actual yield and may cause cartridge parts to fail prior to exhaustion of toner.

Part name	Lexmark Return Program Cartridge	Regular cartridge
Cyan Print Cartridge	C792A1CG	C792A2CG
Cyan Extra High Yield Print Cartridge	C792X1CG	C792X2CG
Magenta Print Cartridge	C792A1MG	C792A2MG
Magenta Extra High Yield Print Cartridge	C792X1MG	C792X2MG
Yellow Print Cartridge	C792A1YG	C792A2YG
Yellow Extra High Yield Print Cartridge	C792X1YG	C792X2YG
Black Print Cartridge	C792A1KG	C792A2KG
Black Extra High Yield Print Cartridge	C792X1KG	C792X2KG

## Ordering a fuser or a transfer module

When **80 Fuser Life Warning** or **83 Transfer Module Life Warning** appears, order a replacement fuser or a transfer module.

When **80 Replace Fuser** or **83 Replace Transfer Module** appears, install the new fuser or the new transfer module. For installation information, see the documentation that came with the part.

Part name	Part number
Fuser	40X7102 (100 volts) 40X7100 (115 volts) 40X7101 (230 volts)
Transfer Module	40X7103

## Ordering a waste toner bottle

When **82 Waste toner bottle nearly full** appears, order a replacement waste toner bottle.



When **82 Replace waste toner bottle** appears, replace the waste toner bottle.

**Note:** Waste toner bottle reuse is not recommended.

Part name	Part number
Waste toner bottle	C792X77G

## Ordering staple cartridges

When **Staples Low** or **Staples Empty** appears, order the specified staple cartridge.

For more information, see the illustrations inside the stapler door.

Part name	Part number
Staple Cartridges—3 pack (Since a pack contains 5,000 staples, a 3-pack contains 15,000 staples.)	25A0013

## Ordering an ADF kit

Order an ADF kit if you experience problems with paper double-feeding or paper failing to feed through the ADF.

Part name	Part number
ADF kit	40X7220

## Ordering a cleaning kit

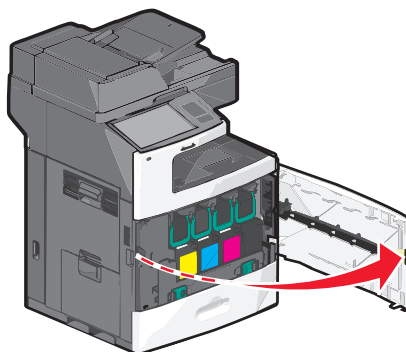
Use the wet and dry wipes from the cleaning kit to clean the touch screen.

Part name	Part number
Cleaning kit (wet and dry wipes)	40X0392

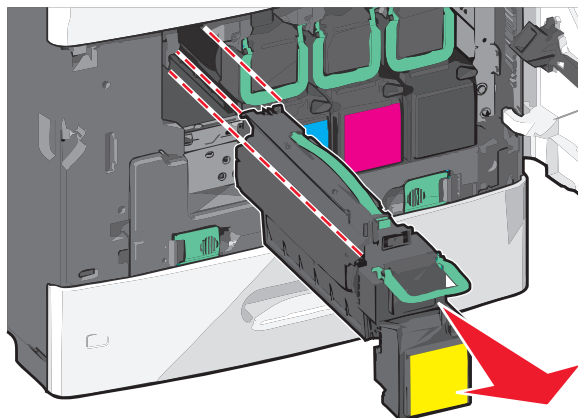
## Replacing supplies

### Replacing a print cartridge

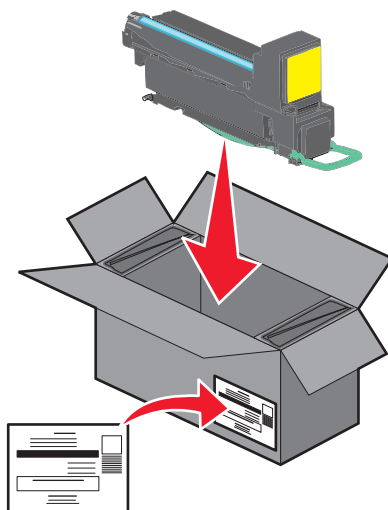
- 1 Open the front door.



- 2 Lift the green handle and pull the print cartridge. Grasp the top handle and lift the cartridge out of the machine.

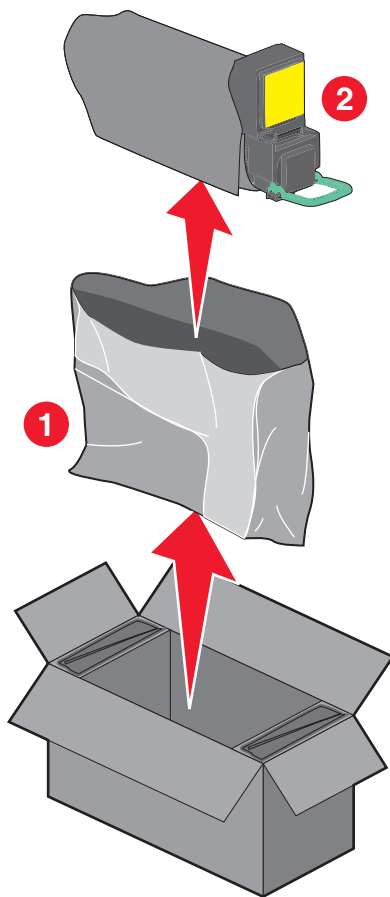
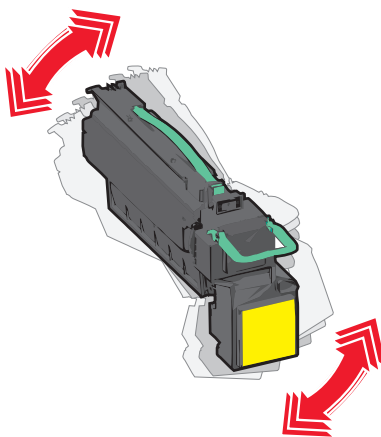


- 3 Place the old cartridge in the replacement cartridge shipping box, and then attach the return label to the box for shipping.

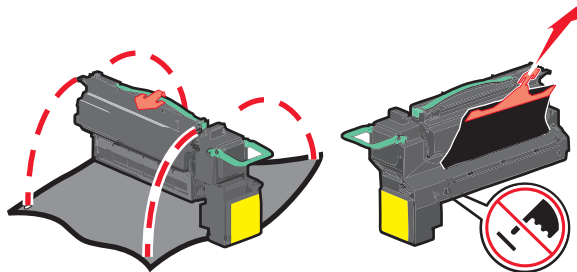


**4** Unpack a new print cartridge.

**Warning—Potential Damage:** Be careful not to touch the photoconductor drum. Doing so may affect the print quality of future print jobs.

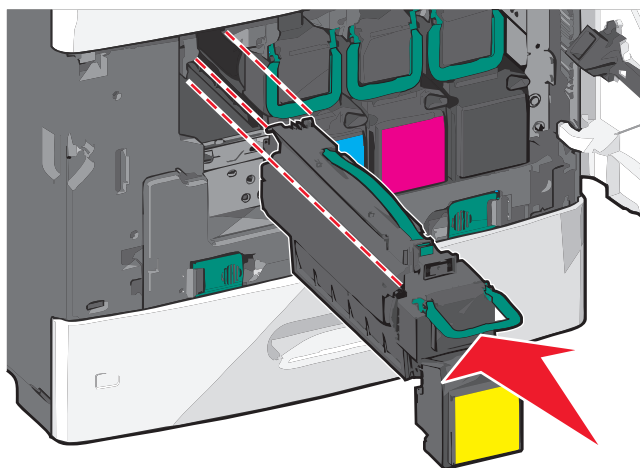
**5** Shake the new cartridge front-to-back and side-to-side to evenly distribute the toner.

- 6 Remove the red packing strip from the new cartridge.

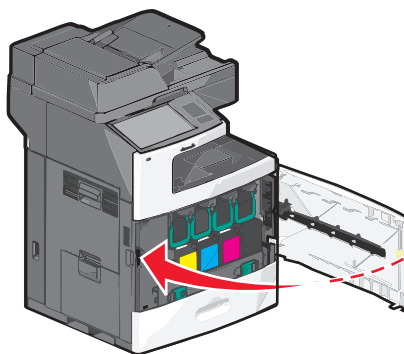


- 7 Insert the new cartridge into the printer, and then push the green handle back in place.

**Note:** Make sure the cartridge is fully pushed in.



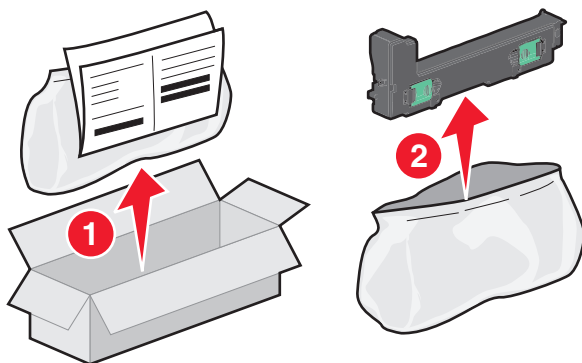
- 8 Close the front door.



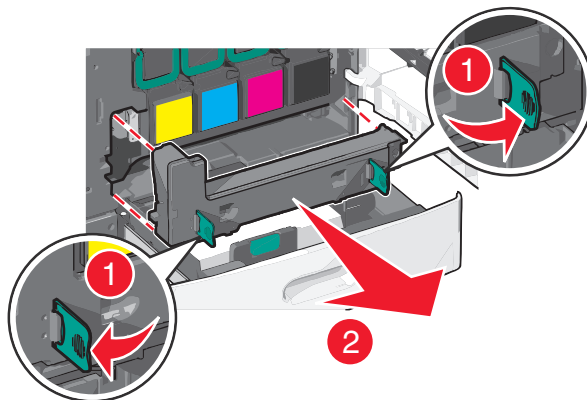
## Replacing the waste toner bottle

Replace the waste toner bottle when **82.xx Replace waste toner bottle** appears. The printer will not continue printing until the waste toner bottle is replaced.

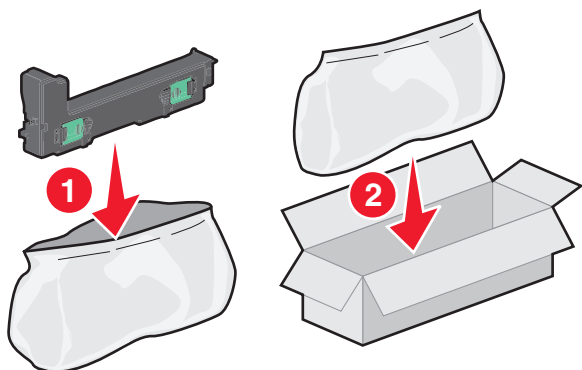
- 1 Remove the replacement waste toner bottle from its shipping box, and then unpack it.



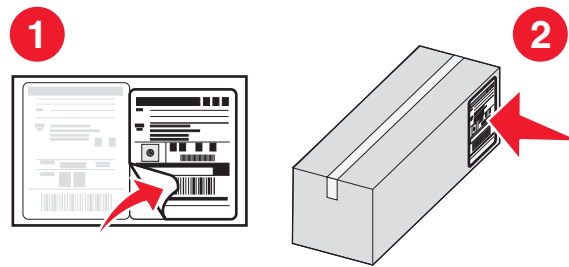
- 2 Open the printer front door, and then open tray 1.
- 3 Pull the green tabs sideways, and then grasp and pull the tabs with both hands to remove the waste toner bottle.



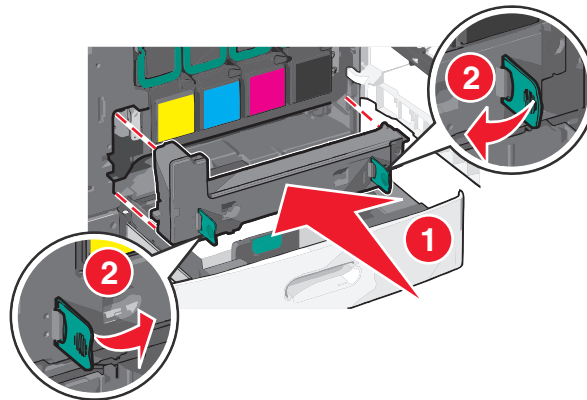
- 4 Place the waste toner bottle in the recycling bag.
- 5 Place the bag into the shipping box you removed the replacement part from.



- 6 Peel the recycling label off, and place it on the shipping box.



- 7 Insert the new waste toner bottle into the printer.



- 8 Close tray 1, and then close the front door.

## Moving the printer

### Before moving the printer

**CAUTION—POTENTIAL INJURY:** The printer weight is greater than 18 kg (40 lb) and requires two or more trained personnel to lift it safely.

**CAUTION—POTENTIAL INJURY:** Before moving the printer, follow these guidelines to avoid personal injury or printer damage:

- Turn the printer off using the power switch, and then unplug the power cord from the wall outlet.
- Disconnect all cords and cables from the printer before moving it.
- Lift the printer off of the optional drawer and set it aside instead of trying to lift the drawer and printer at the same time.

**Note:** Use the handholds located on both sides of the printer to lift it off the optional drawer.

**Warning—Potential Damage:** Damage to the printer caused by improper moving is not covered by the printer warranty.

## **Moving the printer to another location**

The printer and options can be safely moved to another location by following these precautions:

- Any cart used to move the printer must have a surface able to support the full footprint of the printer. Any cart used to move the options must have a surface able to support the dimensions of the options.
- Keep the printer in an upright position.
- Avoid severe jarring movements.

## **Shipping the printer**

When shipping the printer, use the original packaging or call the place of purchase for a relocation kit.

# Administrative support

## Finding advanced networking and administrator information

This chapter covers basic administrative support tasks using the Embedded Web Server. For more advanced system support tasks, see the *Networking Guide* on the *Software and Documentation* CD or the *Embedded Web Server — Security: Administrator's Guide* on the Lexmark support Web site at <http://support.lexmark.com>.

## Using the Embedded Web Server

If the printer is installed on a network, then the Embedded Web Server is available for a range of functions including:

- Viewing a virtual display of the printer control panel
- Checking the status of the printer supplies
- Configuring printer settings
- Configuring network settings
- Viewing reports

To access the Embedded Web Server for your printer:

- 1 Type the printer IP address into the address field of your Web browser.

**Notes:**

- If you do not know the IP address of the printer, then print a network setup page, and then locate the IP address in the TCP/IP section.
- If you are using a proxy server, then temporarily disable it to load the Embedded Web Server correctly.

- 2 Press **Enter**.

## Checking the virtual display

- 1 Open an Embedded Web Server associated with your printer.

Type the printer IP address into the address field of your Web browser.

If you do not know the IP address of the printer, you can:

- View the IP address on the printer control panel in the TCP/IP section under the Networks/Ports menu.
- Print a network setup page or the menu settings pages and locate the IP address in the TCP/IP section.

- 2 Check the virtual display that appears in the top left corner of the screen.

The virtual display works as an actual display would work on a printer control panel, showing printer messages.

## Checking the status of the printer

- 1 Type the printer IP address into the address field of your Web browser.



If you do not know the IP address of the printer, you can:

- View the IP address on the printer control panel in the TCP/IP section under the Networks/Ports menu.
- Print a network setup page or the menu settings pages and locate the IP address in the TCP/IP section.

**2 Click **Device Status**.**

The device status shows the following:

- Paper tray settings
- Level of toner in the print cartridge
- Percentage of life remaining in the maintenance kit
- Capacity measurements of certain printer parts

## Setting up e-mail alerts

Configure the printer to send you e-mail alerts when the supplies are getting low or when the paper needs to be changed or added, or when there is a paper jam.

**1** Type the printer IP address into the address field of your Web browser.

If you do not know the IP address of the printer, you can:

- View the IP address on the printer control panel in the TCP/IP section under the Networks/Ports menu.
- Print a network setup page or the menu settings pages and locate the IP address in the TCP/IP section.

**2** Click **Settings**.

**3** Under Other Settings, click **E-mail Alert Setup**.

**4** Select the items for notification, and type the e-mail addresses.

**5** Click **Submit**.

**Note:** For information on setting up the e-mail server, contact your system support person.

## Viewing reports

You can view some reports from the Embedded Web Server. These reports are useful for assessing the status of the printer, the network, and supplies.

To view reports from a network printer:

**1** Type the printer IP address into the address field of your Web browser.

If you do not know the IP address of the printer you can:

- View the IP address on the printer control panel in the TCP/IP section under the Networks/Ports menu.
- Print a network setup page or the menu settings pages and locate the IP address in the TCP/IP section.

**2** Click **Reports**, and then click the type of report you want to view.

## Restoring factory default settings

If you want to retain a list of the current menu settings for reference, then print a menu settings page before restoring the factory default settings.

**Warning—Potential Damage:** Restoring factory defaults returns most printer settings to the original factory default settings. Exceptions include the display language, custom sizes and messages, and network/port menu settings. All downloads stored in RAM are deleted. Downloads stored in flash memory or on a printer hard disk are not affected.

From the home screen, navigate to:

 > **Settings** > **General Settings** > **Factory Defaults** > **Restore Now** > **Submit**

## Clearing jams

By carefully selecting paper and loading it properly, you can avoid most jams. If jams occur, follow the steps outlined in this chapter.

**Note:** If Jam Recovery is set to On, then the printer prints a new copy of the page that jammed. If Jam Recovery is set to Auto, then the printer reprints the jammed page if enough printer memory is available.

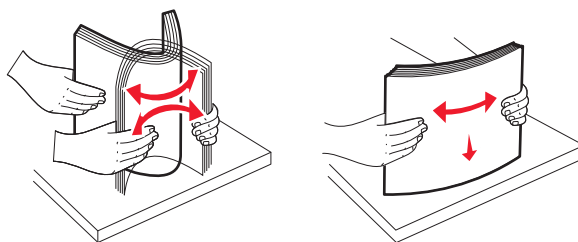
## Avoiding jams

### Paper tray recommendations

- Make sure the paper lies flat in the tray.
- Do not remove a tray while the printer is printing.
- Do not load a tray while the printer is printing. Load it prior to printing, or wait for a prompt to load it.
- Do not load too much paper. Make sure the stack height does not exceed the indicated maximum height.
- Make sure the guides in the tray or the multipurpose feeder are properly positioned and are not pressing too tightly against the paper or envelopes.
- Push the tray in firmly after loading paper.

### Paper recommendations

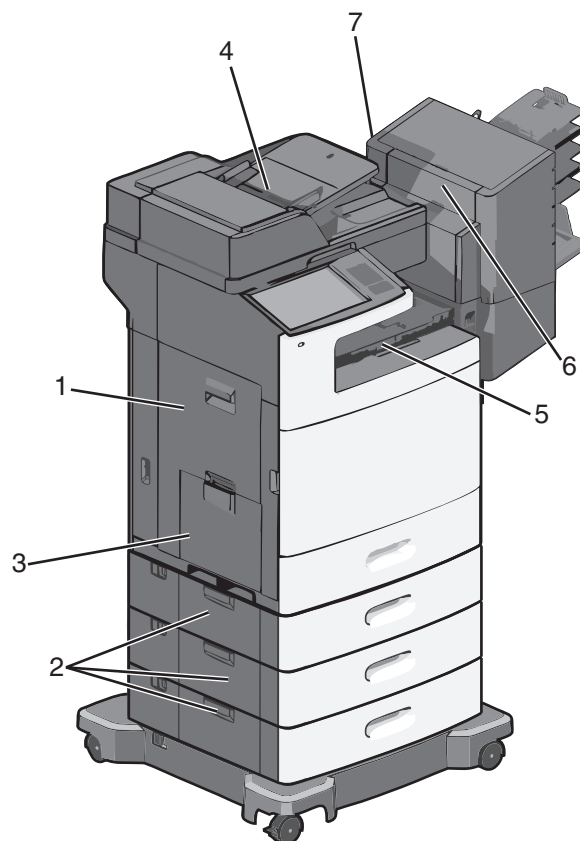
- Use only recommended paper or specialty media.
- Do not load wrinkled, creased, damp, bent, or curled paper.
- Flex and straighten paper before loading it.



- Do not use paper that has been cut or trimmed by hand.
- Do not mix paper sizes, weights, or types in the same stack.
- Make sure all sizes and types are set correctly in the printer control panel menus.
- Store paper per manufacturer recommendations.

## Understanding jam numbers and locations


When a jam occurs, a message indicating the jam location appears on the display. Open doors and covers and remove trays to access jam locations. To resolve any paper jam message, you must clear all jammed paper from the paper path.



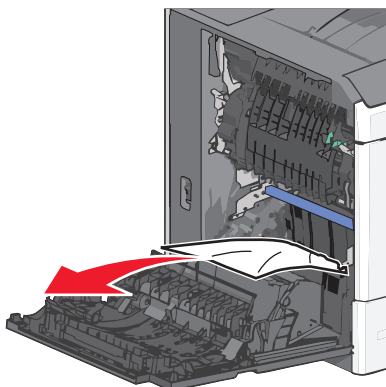
Area	Jam numbers	What to do
1	200–239	Open side door, and then remove the jammed paper.
2	24x	Open side door of the specified tray, and then remove the jammed paper.
3	250	Remove all paper from the multipurpose feeder, and then remove the jammed paper.
4	280–289	Remove all paper from the ADF, and then remove the jammed paper.
	290–292	Close the ADF cover.
5	400–403 460–461	Open the paper transport unit door, and then remove the jammed paper.
6	431–438	Push the button to slide the finisher to the right, open the finisher door, and then remove the jammed paper.
7	455	Open staple door, remove the staple cartridge, and then remove the jammed staple.

## 200 paper jam

- 1 Open the side door of the printer.

 **CAUTION—HOT SURFACE:** The inside of the printer might be hot. To reduce the risk of injury from a hot component, allow the surface to cool before touching.

- 2 Firmly grasp the jammed paper, and then gently pull it out.




**Note:** Make sure all paper fragments are removed.

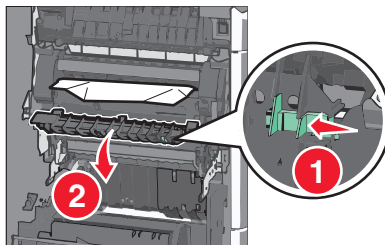
- 3 Close the side door of the printer.
- 4 From the printer control panel, touch **Continue, jam cleared**.

## 201 paper jam

- 1 Open the side door of the printer.

 **CAUTION—HOT SURFACE:** The inside of the printer might be hot. To reduce the risk of injury from a hot component, allow the surface to cool before touching.

- 2 Determine where the jam is located, and then remove it:
  - a If paper is inside the fuser unit, then open the fuser access door.



- b Firmly grasp the jammed paper on each side, and then gently pull it out.

**Warning—Potential Damage:** Do not touch the center of the fuser unit. Doing so will damage the fuser.

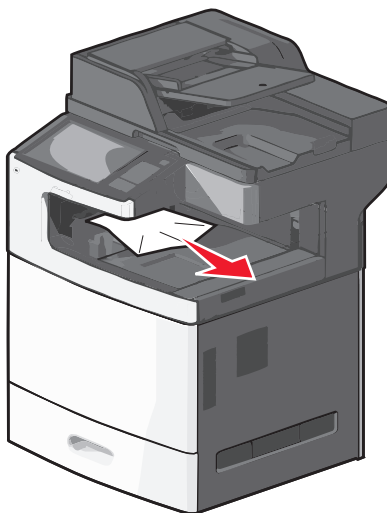
**Note:** Make sure all paper fragments are removed.

- 3 Close the side door of the printer.
- 4 From the printer control panel, touch **Continue, jam cleared**.

## 202–203 paper jams

If paper is visible in the standard exit bin, then firmly grasp the paper on each side, and then gently pull it out.

**Note:** Make sure all paper fragments are removed.



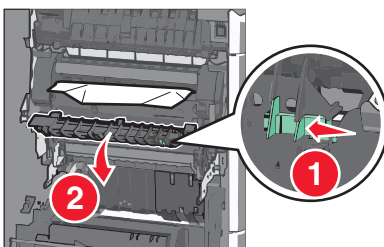
### Paper jam in the fuser

- 1 Open the side door of the printer.



**CAUTION—HOT SURFACE:** The inside of the printer might be hot. To reduce the risk of injury from a hot component, allow the surface to cool before touching.

- 2 If paper is visible inside the fuser unit, then open the fuser access door.



- 3 Firmly grasp the jammed paper on each side, and then gently pull it out.

**Warning—Potential Damage:** Do not touch the center of the fuser unit. Doing so will damage the fuser.

**Note:** Make sure all paper fragments are removed.

- 4 Close the side door.

## Paper jam under the fuser

- 1 Open the side door of the printer.



**CAUTION—HOT SURFACE:** The inside of the printer might be hot. To reduce the risk of injury from a hot component, allow the surface to cool before touching.

- 2 If paper is visible under the fuser, then firmly grasp the jammed paper on each side, and then gently pull it out.

**Note:** Make sure all paper fragments are removed.

- 3 Close the side door of the printer.
- 4 From the printer control panel, touch **Continue, jam cleared**.

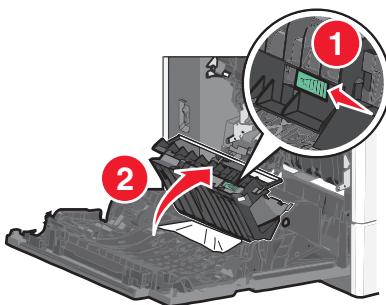
## 230 paper jam

- 1 Open the side door of the printer.



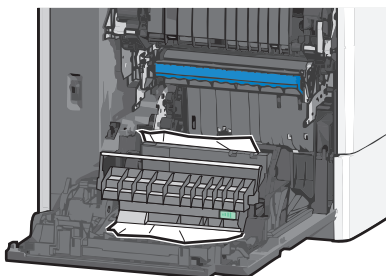
**CAUTION—HOT SURFACE:** The inside of the printer might be hot. To reduce the risk of injury from a hot component, allow the surface to cool before touching.

- 2 Slide the latch to open the duplex cover.



- 3 Grasp the jammed paper, and then gently pull it out.

**Note:** Make sure all paper fragments are removed.



- 4 Close the duplex cover.
- 5 Close the side door of the printer.
- 6 From the printer control panel, touch **Continue, jam cleared**.

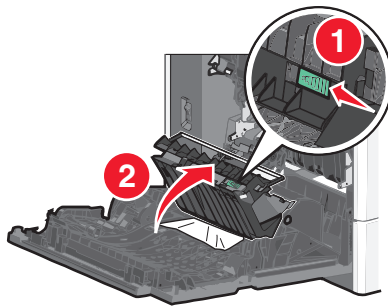
## 231–239 paper jams

- 1 Open the side door of the printer.



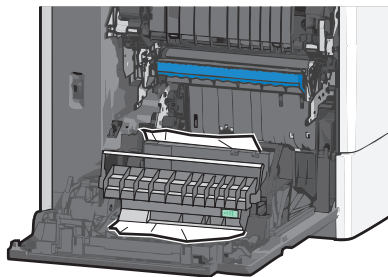
**CAUTION—HOT SURFACE:** The inside of the printer might be hot. To reduce the risk of injury from a hot component, allow the surface to cool before touching.

- 2 Slide the latch to open the duplex cover.



- 3 Grasp the jammed paper, and then gently pull it out.

**Note:** Make sure all paper fragments are removed.



- 4 Close the duplex cover.
- 5 Close the side door of the printer.
- 6 From the printer control panel, touch **Continue, jam cleared**.

## 24x paper jam

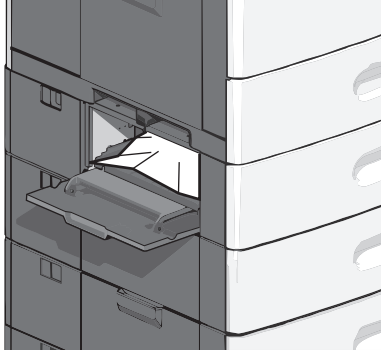
### Paper jam in Tray 1

- 1 Open the side door.
- 2 Grasp the jammed paper on each side, and then gently pull it out.
- 3 Close the side door.
- 4 From the printer control panel, touch **Continue, jam cleared**.



## Paper jam in the optional trays

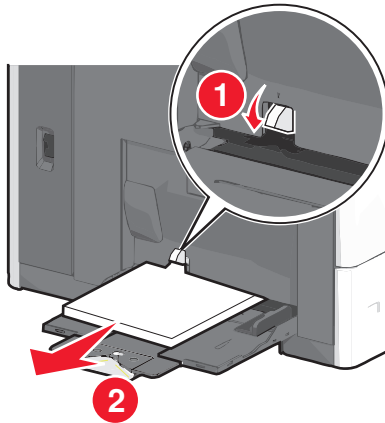
- 1 Open the side door of the specified optional tray.
- 2 Grasp the jammed paper on each side, and then gently pull it out.



- 3 Close the side door.
- 4 From the printer control panel, touch **Continue, jam cleared**.

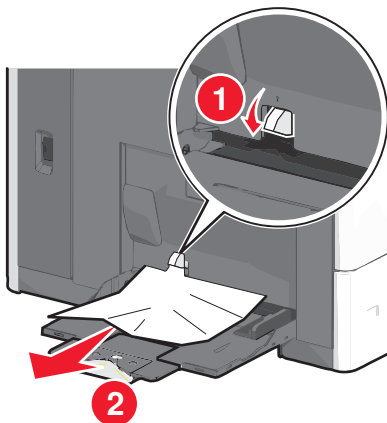
## 250 paper jam

- 1 Push the paper pick tab, and then remove all paper from the multipurpose feeder.



**Warning—Potential Damage:** Pulling the paper out, without pushing the paper pick tab first, may cause the paper pick tab to break.

- 2 Grasp the jammed paper on each side, and then gently pull it out.

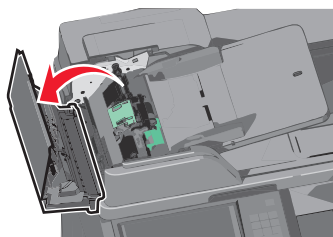


**Note:** Make sure all paper fragments are removed.

- 3 Reload paper into the multipurpose feeder, and then adjust the paper guides.
- 4 From the printer control panel, touch **Continue, jam cleared**.

## 280–289 paper jams

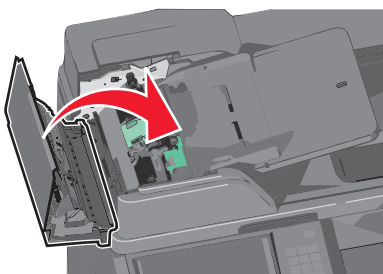
- 1 Remove all original documents from the ADF.
- 2 Open the ADF cover.



- 3 Grasp the jammed paper on each side, and then gently pull it out.

**Note:** Make sure all paper fragments are removed.

- 4 Close the ADF cover.



- 5 Reload original documents into the ADF, straighten the stack, and then adjust the paper guide.
- 6 From the printer control panel, touch **Continue, jam cleared**.

## 290–292 paper jams

### 290 paper jam

Close the ADF cover.

### 291 paper jam

Close the scanner glass cover.

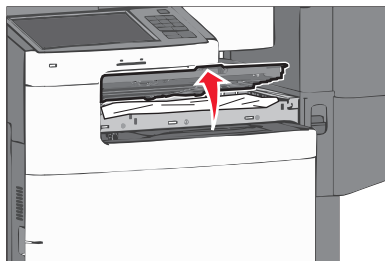
### 292 paper jam

Try one of more of the following:

- Close the ADF cover.
- Close the scanner cover.
- Contact your system support system person.

## 400–403 and 460–461 paper jams

- 1 Open the paper transport unit door.



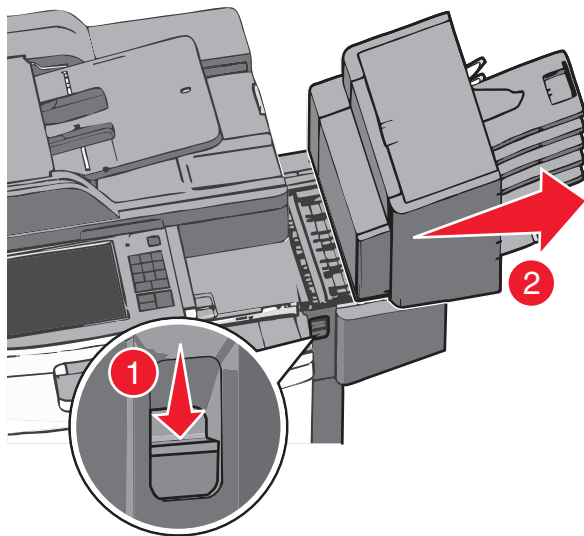
- 2 Firmly grasp the jammed paper, and then gently pull it out.

**Note:** Make sure all paper fragments are removed.

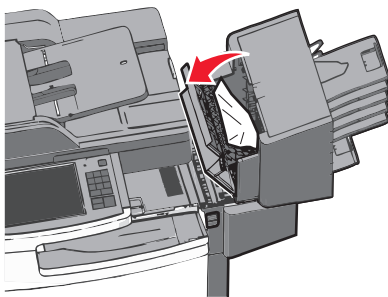
- 3 Close the paper transport unit door.
- 4 From the printer control panel, touch **Continue, jam cleared**.

## 431–438 paper jams

- 1 Push down the button to slide the output finisher to the right.



- 2 Open the finisher door, and then removed the jammed paper.



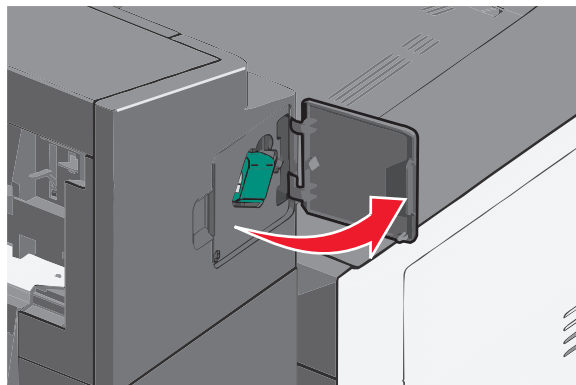
**Note:** Make sure all paper fragments are removed.

- 3 Close the finisher door.
- 4 Slide the finisher back until it *clicks* in place.
- 5 From the printer control panel, touch **Continue, jam cleared**.

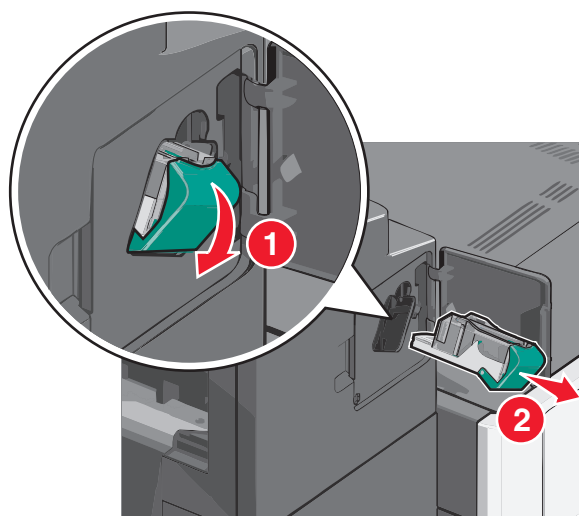
## 455 staple jam

- 1 Press the latch to open the stapler door.

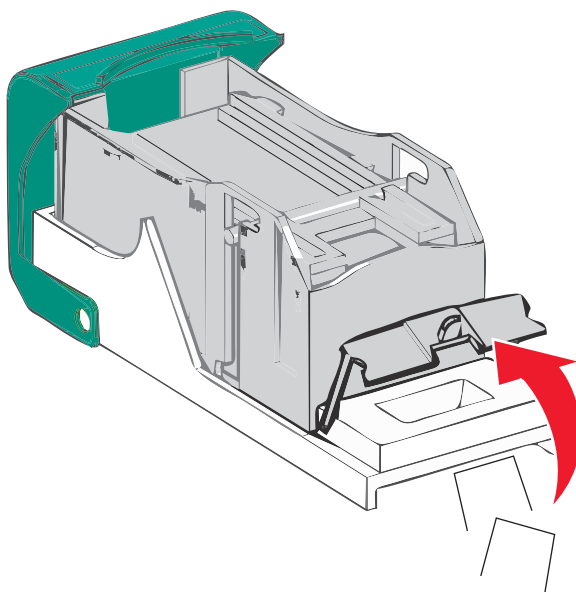
**Note:** The stapler door is located behind the finisher.



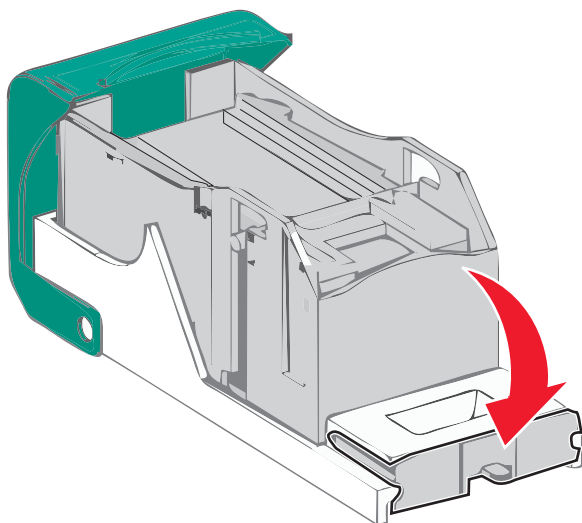
- 2** Lower the latch of the staple cartridge holder, and then pull the staple cartridge holder out of the printer.



- 3** Use the metal tab to lift the staple guard, and then remove any jammed or loose staples.

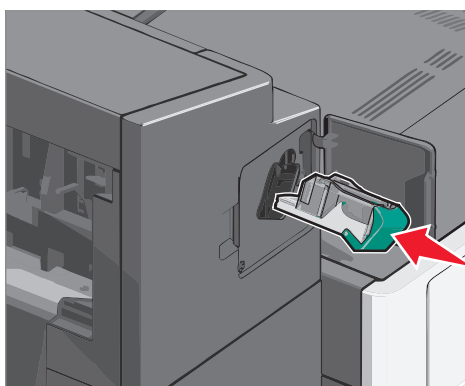


- 4 Close the staple guard.



- 5 Press down on the staple guard until it *clicks* into place.

- 6 Push the staple cartridge holder firmly back into the stapler unit until the staple cartridge holder *clicks* into place.



- 7 Close the stapler door.

- 8 From the printer control panel, touch **Continue, jam cleared**.

# Troubleshooting

## Solving basic printer problems

If there are basic printer problems, or the printer is unresponsive, make sure:

- The power cord is plugged into the printer and a properly grounded electrical outlet.
- The electrical outlet is not turned off by any switch or breaker.
- The printer is not plugged into any surge protectors, uninterrupted power supplies, or extension cords.
- Other electronic equipment plugged into the outlet is working.
- The printer is turned on. Check the printer power switch.
- The printer cable is securely attached to the printer and the host computer, print server, option, or other network device.
- All options are properly installed.
- The printer driver settings are correct.

Once you have checked each of these possibilities, turn the printer off, wait for about 10 seconds, and then turn the printer back on. This often fixes the problem.

## Understanding the printer messages

### Adjusting color

Wait for the process to complete.

### An error has occurred with the USB drive. Please remove and reinsert drive.

Try one or more of the following:

- Remove and reinsert the flash drive.
- If the error message remains, the flash memory may be defective and require replacement.

### Change [paper source] to [custom type name]

Try one or more of the following:

- Touch **Use current [paper source]** to ignore the message and print from the selected tray.
- Load the correct paper size and type in the tray, verify the paper size and type settings are specified in the printer control panel Paper menu, and then touch **Paper changed, continue**.
- Touch **Cancel job** to cancel the print job.

## Change [paper source] to [custom type name] load [orientation]

Try one or more of the following

- Touch **Use current [paper source]** to ignore the message and print from the selected tray.
- Load the correct paper size and type in the tray, verify the paper size and type settings are specified in the printer control panel Paper menu, and then touch **Paper changed, continue.**
- Touch **Cancel job** to cancel the print job.

## Change [paper source] to [custom string]

Try one or more of the following:

- Touch **Use current [paper source]** to ignore the message and print from the selected tray.
- Load the correct paper size and type in the tray, verify the paper size and type settings are specified in the printer control panel Paper menu, and then touch **Paper changed, continue.**
- Touch **Cancel job** to cancel the print job.

## Change [paper source] to [custom string] load [orientation]

Try one or more of the following:

- Touch **Use current [paper source]** to ignore the message and print from the selected tray.
- Load the correct paper size and type in the tray, verify the paper size and type settings are specified in the printer control panel Paper menu, and then touch **Paper changed, continue.**
- Touch **Cancel job** to cancel the print job.

## Change [paper source] to [paper size] [paper type]

Try one or more of the following:

- Touch **Use current [paper source]** to ignore the message and print from the selected tray.
- Load the correct paper size and type in the tray, verify the paper size and type settings are specified in the printer control panel Paper menu, and then touch **Paper changed, continue.**
- Touch **Cancel job** to cancel the print job.

## Change [paper source] to [paper size] [paper type] load [orientation]

Try one or more of the following:

- Touch **Use current [paper source]** to ignore the message and print from the selected tray.
- Load the correct paper size and type in the tray, verify the paper size and type settings are specified in the printer control panel Paper menu, and then touch **Paper changed, continue.**
- Touch **Cancel job** to cancel the print job.

## Close paper transport cover

Close the paper transport unit cover or door.



## Close left side door

Close the left side door of the printer.

## Close [tray] door

Close the specified tray door.

## Close finisher side door

Close the side door of the finisher.

## Close finisher top cover

Close the top cover of the finisher.

## Close front door

Close the front door of the printer.

## Close top access cover

Close the specified door or cover.

## Disk corrupted

The printer attempted a hard disk recovery on a corrupted hard disk, and the hard disk cannot be repaired. The hard disk must be reformatted.

Touch **Format disk** to reformat the printer hard disk and clear the message.

**Note:** Formatting deletes all the files stored on the printer hard disk.

## Disk near full. Securely clearing disk space.

Try one or more of the following:

- Touch **Continue** to clear the message and continue printing.
- Delete fonts, macros, and other data stored on the printer hard disk.
- Install a hard disk with higher capacity.

## Disk problem

The printer hard disk must be reformatted.

Touch **Format disk** to reformat the printer hard disk and clear the message.

**Note:** Formatting deletes all the files stored on the printer hard disk.

## Empty the hole punch box

- 1 Empty the hole punch box.

For instructions on emptying the hole punch box, from the printer control panel touch **More Information**.

- 2 Reinsert the hole punch box into the finisher, and then touch **Continue** to clear the message.

## Error reading USB drive. Remove USB.

An unsupported USB device has been inserted. Remove the USB device, and then install a supported one.

## Fax partition inoperative. Contact system administrator.

The fax partition appears to be corrupted. Try one or more of the following:

- Touch **Continue** to clear the message.
- Turn the printer off and then back on to reset the printer. If the message appears again, then contact your system support person.

## Fax server 'To Format' not set up. Contact system administrator.

The printer is in Fax Server mode, but the Fax Server setup has not been completed.

Try one or more of the following:

- Touch **Continue** to clear the message.
- Complete the Fax Server setup. If the message appears again, contact your system support person.

## Fax Station Name not set up

The Fax Station Name has not been entered. Sending and receiving faxes is disabled until fax is configured properly.

Try one or more of the following:

- Touch **Continue** to clear the message.
- Complete the Analog Fax Setup. If the message appears again, contact your system support person.

## Fax Station Number not set up

The Fax Station Number has not been entered. Sending and receiving faxes is disabled until fax is configured properly.

Try one or more of the following:

- Touch **Continue** to clear the message.
- Complete the Analog Fax Setup. If the message appears again, contact your system support person.

## Install bin [x]

Try one or more of the following:

- Install the specified bin:
  - 1 Turn the printer off.
  - 2 Unplug the power cord from the wall outlet.
  - 3 Install the specified bin.
  - 4 Connect the power cord to a properly grounded electrical outlet.
  - 5 Turn the printer back on.
- Cancel the print job.

## Install Tray [x]

Try one or more of the following:

- Install the specified tray:
  - 1 Turn the printer off.
  - 2 Unplug the power cord from the wall outlet.
  - 3 Install the specified tray.
  - 4 Connect the power cord to a properly grounded electrical outlet.
  - 5 Turn the printer back on.
- Cancel the print job.

## Insert the hole punch box

Insert the hole punch box into the finisher, and then touch **Continue** to clear the message.

## Insert Tray [x]

Insert the specified tray into the printer.

## Insert staple cartridge

Try one or more of the following:

- Insert a staple cartridge.
- Touch **Continue** to clear the message and print without using the staple finisher.

## Install envelope feeder

Try one or more of the following:

- Install the envelope feeder:
  - 1 Turn the printer off.
  - 2 Unplug the power cord from the wall outlet.
  - 3 Install the envelope feeder.

- 4 Connect the power cord to a properly grounded electrical outlet.
  - 5 Turn the printer back on.
- Cancel the print job.

## Load [src] with [custom type name]

Try one or more of the following:

- Load the specified paper in the tray or feeder.
- Touch **Paper loaded, continue** to clear the message and continue printing.

If the printer finds a tray that has the correct paper type and size, it feeds from that tray. If the printer cannot find a tray with the correct paper type and size, it prints from the default paper source.

- Cancel the print job.

## Load [src] with [custom string]

Try one or more of the following:

- Load the specified paper in the tray or feeder.
- Touch **Paper loaded, continue** to clear the message and continue printing.

If the printer finds a tray that has the correct paper type and size, it feeds from that tray. If the printer cannot find a tray with the correct paper type and size, it prints from the default paper source.

- Cancel the print job.

## Load [src] with [size]

Try one or more of the following:

- Load the specified paper in the tray or feeder.
- Touch **Paper loaded, continue** to clear the message and continue printing.

If the printer finds a tray that has the correct paper type and size, it feeds from that tray. If the printer cannot find a tray with the correct paper type and size, it feeds from the default paper source.

- Cancel the print job.

## Load [src] with [type] [size]

Try one or more of the following:

- Load the specified paper in the tray or feeder.
- Touch **Paper loaded, continue** to clear the message and continue printing.

If the printer finds a tray that has the correct paper type and size, it feeds from that tray. If the printer cannot find a tray with the correct paper type and size, it feeds from the default paper source.

- Cancel the print job.

## Load Manual Feeder with [custom type name]

Try one or more of the following:

- Load the specified paper in the manual feeder.
- Touch **Prompt each page, paper loaded** or **Do not prompt, paper loaded** to clear the message and continue printing.
- Touch **Automatically select paper** to use the paper loaded in the tray.
- Cancel the print job.

## Load Manual Feeder with [custom string]

Try one or more of the following:

- Load the specified paper in the manual feeder.
- Touch **Prompt each page, paper loaded** or **Do not prompt, paper loaded** to clear the message and continue printing.
- Touch **Automatically select paper** to use the paper loaded in the tray.
- Cancel the print job.

## Load Manual Feeder with [paper size]

Try one or more of the following:

- Load the specified paper in the manual feeder.
- Touch **Prompt each page, paper loaded** or **Do not prompt, paper loaded** to clear the message and continue printing.
- Touch **Automatically select paper** to use the paper loaded in the tray.
- Cancel the print job.

## Load Manual Feeder with [paper type] [paper size]

Try one or more of the following:

- Load the specified paper in the manual feeder.
- Touch **Prompt each page, paper loaded** or **Do not prompt, paper loaded** to clear the message and continue printing.
- Touch **Automatically select paper** to use the paper loaded in the tray.
- Cancel the print job.

## Load staples

Try one or more of the following:

- Replace the specified staple cartridge in the finisher.
- Touch **Continue** to clear the message and continue printing.

**Note:** The print job will be stapled if the staple cartridge is replaced or inserted.

- Touch **Cancel job** to cancel the print job.

## Memory full, cannot print faxes

There is not enough memory to print the fax job.

Touch **Continue** to clear the message without printing. Held faxes will attempt to print after the printer has been restarted.

## Reattach bin [x]

Try one or more of the following:

- Turn the printer off and then back on.
- Reattach the specified bin:
  - 1 Turn the printer off.
  - 2 Unplug the power cord from the wall outlet.
  - 3 Remove the specified bin.
  - 4 Reattach the bin.
  - 5 Connect the power cord to a properly grounded electrical outlet.
  - 6 Turn the printer back on.
- Remove the specified bin:
  - 1 Turn the printer off.
  - 2 Unplug the power cord from the wall outlet.
  - 3 Remove the specified bin.
  - 4 Contact Customer Support.
- Touch **Continue** to clear the message and print without using the specified bin.

## Reattach bin [x] – [y]

Try one or more of the following:

- Turn the printer off and then back on.
- Reattach the specified bins:
  - 1 Turn the printer off.
  - 2 Unplug the power cord from the wall outlet.
  - 3 Remove the specified bins.
  - 4 Reattach the bins.
  - 5 Connect the power cord to a properly grounded electrical outlet.
  - 6 Turn the printer back on.
- Remove the specified bins:
  - 1 Turn the printer off.
  - 2 Unplug the power cord from the wall outlet.
  - 3 Remove the specified bins.
  - 4 Contact Customer Support.
- Touch **Continue** to clear the message and print without using the specified bins.

## Remove packaging material, [area name]

Remove any remaining packaging material from the specified location.

## Remove paper from standard output bin

Remove the stack of paper from the standard exit bin.

## Remove paper from bin [x]

Remove the paper from the specified bin. The printer automatically senses paper removal and resumes printing.

If removing the paper does not clear the message, then touch **Continue**.

## Remove paper from all bins

Output bins have reached their capacity. Remove paper from all output bins to clear the message and continue printing.

## Remove paper from [linked set bin name]

Remove paper from the specified bin. The printer automatically detects paper removal and resumes printing.

If removing the paper does not clear the message, then touch **Continue**.

## Restore held jobs?

Try one or more of the following:

- Touch **Restore** to restore all held jobs stored on the printer hard disk.
- Touch **Do not restore** if you do not want any print jobs to be restored.

## Scanner automatic feeder cover open

Close the ADF cover.

## Slide finisher to the left

Slide the mailbox or finisher to the left until it *clicks* into place.

## Some held jobs were not restored

Touch **Continue** to delete the specified job.

**Note:** Held jobs that are not restored stay on the hard disk and are inaccessible.

## Supply needed to complete job

A supply needed to complete the job is missing. Touch **Cancel** to clear the message.

## Tray [x] paper size unsupported

The paper size in the specified tray is unsupported. Replace it with a supported paper size.

## Unsupported disk

An unsupported disk has been inserted. Remove the unsupported disk, and then install a supported one.

## 31.xx Missing or defective [color] cartridge

Try one or more of the following:

- 1 Remove and reinstall the specified print cartridge.  
For instructions on removing a print cartridge, touch **More Information**.
- 2 Touch **Continue** to clear the message.  
**Note:** If the message is not cleared, then replace the defective print cartridge.

## 32.xx [color] cartridge part number unsupported by device

- 1 Remove the unsupported print cartridge, and then install a supported one.  
For instructions on removing a print cartridge, touch **More Information**.
- 2 Touch **Continue** to clear the message.

## 34 Incorrect paper size, open [src]

Try one or more of the following:

- Load the appropriate paper or specialty media in the proper tray.
- Confirm that the wheel on tray 1 is set to the paper size loaded in the tray. Make sure this size is the size you are trying to print.
- Touch **Continue** to clear the message and print using a different tray.
- Check length and width guides of the tray and make sure the paper is properly loaded in the tray.
- Make sure the Print Properties or Print dialog settings have the correct paper size and type.
- Check that the paper size is correctly set. For example, if the MP Feeder Size is set to Universal, make sure the paper is large enough for the data being printed.
- Cancel the print job.

## 35 Insufficient memory to support Resource Save feature

Try one or more of the following:

- Touch **Continue** to disable Resource Save and continue printing.
- To enable Resource Save after receiving this message, make sure the link buffers are set to Auto, and then exit the menus to activate the link buffer changes. When **Ready** appears, enable Resource Save.
- Install additional memory.



### 37 Insufficient memory to collate job

Try one or more of the following:

- Touch **Continue** to print the portion of the job already stored and begin collating the rest of the print job.
- Cancel the current print job.

### 37 Insufficient memory for Flash Memory Defragment operation

Try one or more of the following:

- Touch **Continue** to stop the defragment operation and continue printing.
- Delete fonts, macros, and other data in printer memory.
- Install additional printer memory.

### 37 Insufficient memory, some Held Jobs were deleted

The printer deleted some held jobs in order to process current jobs.

Touch **Continue** to clear the message.

### 37 Insufficient memory, some held jobs will not be restored

The printer was unable to restore some or all of the confidential or held jobs on the printer hard disk.

Touch **Continue** to clear the message.

### 38 Memory full

Try one or more of the following:

- Touch **Continue** to clear the message.
- Cancel the current print job.
- Install additional printer memory.

### 39 Complex page, some data may not have printed

Try one or more of the following:

- Touch **Continue** to clear the message and continue printing.
- Cancel the current print job.
- Install additional printer memory.

### 40 [color] invalid refill, change cartridge

Replace the specified cartridge to continue printing.

## 51 Defective flash detected

Try one or more of the following:

- Touch **Continue** to clear the message and continue printing.
- Cancel the current print job.

## 52 Not enough free space in flash memory for resources

Try one or more of the following:

- Touch **Continue** to clear the message and continue printing.  
Downloaded fonts and macros not previously stored in flash memory are deleted.
- Delete fonts, macros, and other data stored in flash memory.
- Upgrade to a larger capacity flash memory card.

## 53 Unformatted flash detected

Try one or more of the following:

- Touch **Continue** to stop the defragment operation and continue printing.
- Format the flash memory. If the error message remains, the flash memory may be defective and require replacing.

## 54 Network [x] software error

Try one or more of the following:

- Touch **Continue** to continue printing.
- Turn the printer off, wait for about 10 seconds, and then turn the printer back on.
- Upgrade (flash) the network firmware in the printer.

## 54 Serial option [x] error

Try one or more of the following:

- Check that the serial cable is connected properly and is the correct one for the serial port.
- Check that the serial interface parameters (protocol, baud, parity, and data bits) are set correctly on the printer and on the host computer.
- Touch **Continue** to continue printing.
- Turn the printer power off and then back on to reset the printer.

## 54 Standard network software error

Try one or more of the following:

- Touch **Continue** to continue printing.
- Turn the printer off and then back on to reset the printer.
- Upgrade (flash) the network firmware in the printer or print server.

## 55 Unsupported option in slot [x]

- 1 Turn the printer off.
- 2 Unplug the power cord from the wall outlet.
- 3 Remove the unsupported option card from the printer system board, and then replace it with a supported card.
- 4 Connect the power cord to a properly grounded electrical outlet.
- 5 Turn the printer back on.

## 56 Parallel port [x] disabled

Try one or more of the following:

- Touch **Continue** to clear the message.  
The printer discards any data received through the parallel port.
- Make sure the Parallel Buffer menu item is not set to Disabled.

## 56 Serial port [x] disabled

Try one or more of the following:

- Touch **Continue** to clear the message.  
The printer discards any data received through the serial port.
- Make sure the Serial Buffer menu is not set to Disabled.

## 56 Standard USB port disabled

Try one or more of the following:

- Touch **Continue** to clear the message.  
The printer discards any data received through the USB port.
- Make sure the USB Buffer menu item is not set to Disabled.

## 56 Standard parallel port disabled

Try one or more of the following:

- Touch **Continue** to clear the message.  
The printer discards any data received through the parallel port.
- Make sure the Parallel Buffer menu item is not set to Disabled.

## 56 USB port [x] disabled

Try one or more of the following:

- Touch **Continue** to clear the message.  
The printer discards any data received through the USB port.
- Make sure the USB Buffer menu is not set to Disabled.

## 57 Configuration change, some held jobs were not restored

Something has changed in the printer to invalidate the held jobs. Possible changes include:

- The printer firmware has been updated.
- Paper input options needed for the print job were removed.
- The print job was created using data from a device in the USB port and the device is no longer in the USB port.
- The printer hard disk contains print jobs that were stored while installed in a different printer model.

Touch **Continue** to clear the message.

## 58 Too many bins attached

- 1 Turn the printer off.
- 2 Unplug the power cord from the wall outlet.
- 3 Remove the additional bins.
- 4 Connect the power cord to a properly grounded electrical outlet.
- 5 Turn the printer back on.

## 58 Too many disks installed

- 1 Turn the printer off.
- 2 Unplug the power cord from the wall outlet.
- 3 Remove the excess disks.
- 4 Connect the power cord to a properly grounded electrical outlet.
- 5 Turn the printer back on.

## 58 Too many flash options installed

- 1 Turn the printer off.
- 2 Unplug the power cord from the wall outlet.
- 3 Remove the excess flash memory.
- 4 Connect the power cord to a properly grounded outlet.
- 5 Turn the printer back on.

## 58 Too many trays attached

- 1 Turn the printer off.
- 2 Unplug the power cord from the wall outlet.
- 3 Remove the additional trays.

- 4 Connect the power cord to a properly grounded outlet.
- 5 Turn the printer back on.

## 58 Input config error

- 1 Turn the printer off.
- 2 Unplug the power cord from the wall outlet.
- 3 Check if all tray configurations are correct. Remove unnecessary trays if needed.
- 4 Connect the power cord to a properly grounded electrical outlet.
- 5 Turn the printer back on.

## 59 Incompatible output bin [x]

Try one or more of the following:

- Remove the specified output bin.
- Touch **Continue** to clear the message and continue printing without using the specified output bin.

## 61 Remove defective disk

Try one or more of the following:

- Remove the defective printer hard disk.
- Install a different printer hard disk before performing any operations that require a printer hard disk.

## 62 Disk full

Try one or more of the following:

- Touch **Continue** to clear the message and continue processing.
- Delete fonts, macros, and other data stored on the printer hard disk.
- Install a printer hard disk with larger capacity.

## 80.xx Fuser near life warning

- 1 Order a replacement fuser immediately.
- 2 When print quality is reduced, install the new fuser, following the instruction sheet that came with the replacement part.
- 3 Touch **Continue** to clear the message and continue printing.

## 80.xx Fuser life warning

- Order a replacement fuser immediately. When print quality is reduced, install the new fuser, following the instruction sheet that came with the replacement part.
- Touch **Continue** to clear the message and continue printing.

## 80.xx Replace fuser

Replace the fuser using the instruction sheet that came with the replacement part.

## 80.xx Fuser missing

- 1 Replace the fuser, following the instruction sheet that came with the replacement part.
- 2 Touch **Continue** to clear the message and continue printing.

## 82.xx Replace waste toner bottle

- 1 Replace the waste toner bottle.  
For instructions on replacing the waste toner bottle, from the printer control panel touch **More Information**.
- 2 Touch **Continue** to clear the message and continue printing.

## 82.xx Waste toner bottle missing

Reinsert the waste toner bottle into the printer.

## 82.xx Waste toner bottle nearly full

Order a replacement waste toner bottle immediately.

- 1 Replace the waste toner bottle.  
For instructions on installing the waste toner bottle, from the printer control panel touch **More Information**.
- 2 Touch **Continue** to clear the message and continue printing.

## 83.xx Replace transfer module

Replace the transfer module, following the instruction sheet that came with the replacement part.

## 83.xx Transfer module life warning

- 1 Replace the transfer module, following the instruction sheet that came with the replacement part.
- 2 Touch **Continue** to clear the message and continue printing.

## 83.xx Transfer module missing

Insert the transfer module into the printer.

## 88.xx [color] cartridge nearly low

Order a replacement for the specified print cartridge.

## 88.xx [color] cartridge low

- 1 Remove the specified cartridge.

**Warning—Potential Damage:** Be careful not to touch the photoconductor drum. Doing so may affect the print quality of future print jobs.

- 2 Firmly shake the cartridge side-to-side and front-to-back several times to redistribute the toner.
- 3 Reinsert the cartridge, and then touch **Continue** to clear the message and continue printing.

### Notes:

- Repeat this procedure multiple times until the print remains faded. When the print remains faded, replace the cartridge.
- Have a new cartridge available when the current one no longer prints satisfactorily.

## 88.xx [Color] cartridge very low

The specified print cartridge is very low.

- 1 For instructions on replacing a print cartridge, from the printer control panel touch **More Information**.
- 2 Touch **Continue** to clear the message and continue printing.

## 88.xx [Color] cartridge critically low

The specified print cartridge is critically low.

- 1 For instructions on replacing a print cartridge, from the printer control panel touch **More Information**.
- 2 Touch **Continue** to clear the message and continue printing.

## 840.01 Scanner disabled by admin

Print without the scanner or contact your system support person.

## 840.02 Scanner disabled. Contact system administrator if problem persists.

The printer identified a problem with the scanner and automatically disabled it. Try one or more of the following:

- 1 Remove all pages from the ADF.
- 2 Turn the printer off.
- 3 Wait for 15 seconds, and then turn the printer on.

**Note:** If turning the printer off and then on again does not clear the message, then touch **Continue with scanner disabled** to return to the home screen, and then contact your system support person.

- 4 Place the document in the ADF, and then adjust the paper guides.
- 5 From the home screen, touch **Copy**, or use the keypad to enter the number of copies.
- 6 Change the copy settings as needed.
- 7 Touch **Copy It**.

## 1565 Emulation error, load emulation option

The printer automatically clears the message in 30 seconds and then disables the download emulator on the firmware card.

To fix this, download the correct download emulator version from the Lexmark Web site at [www.lexmark.com](http://www.lexmark.com).

## Solving printing problems

### Multiple-language PDF files do not print

The PDF files may contain unavailable fonts.

- 1 Open the document you want to print in Adobe Acrobat.
- 2 Click the printer icon > **Advanced** > **Print as image** > **OK** > **OK**.

### Printer control panel display is blank or displays only diamonds

The printer self test failed. Turn the printer off, wait about 10 seconds, and then turn the printer on.

If **Ready** does not appear, then turn the printer off and contact Customer Support.

### Error message about reading USB drive appears

Make sure the flash drive is supported.

### Print jobs do not print

Try one or more of the following:

#### **MAKE SURE THERE IS NO PROBLEM WITH YOUR PRINTER**

From the printer control panel, check the status. If necessary, follow the recovery instructions.

#### **MAKE SURE THE PRINTER IS READY TO PRINT**

Make sure **Ready** appears on the display before sending a print job.

#### **CHECK IF A SUPPLY IS MISSING OR NEEDS REPLACEMENT**

Remove and then reinstall or replace the supply.

#### **CHECK IF THE STANDARD EXIT BIN IS FULL**

Remove the paper stack from the standard exit bin.

#### **CHECK IF THE PAPER TRAY IS EMPTY**

Load paper in the tray.



**MAKE SURE THE CORRECT PRINTER SOFTWARE IS INSTALLED**

- Verify that you are using the correct printer software.
- If the printer is connected to your computer through a USB port, then make sure you are running a supported operating system and using a compatible printer software.

**MAKE SURE THE INTERNAL PRINT SERVER IS WORKING PROPERLY**

- Make sure the internal print server is properly installed and that the printer is connected to the network.
- Print a network setup page and check that the status shows **Connected**. If the status is **Not Connected**, then check the network cables, and then try printing the network setup page again. Contact your system support person to make sure the network is functioning correctly.

The printer software is available on the Lexmark Web site at <http://support.lexmark.com>.

**MAKE SURE YOU ARE USING A RECOMMENDED USB, SERIAL, OR ETHERNET CABLE**

For more information, visit the Lexmark Web site at <http://support.lexmark.com>.

**MAKE SURE PRINTER CABLES ARE SECURELY CONNECTED**

Check the cable connections to the printer and print server to make sure they are secure.

For more information, see the setup documentation that came with the printer.

**Confidential and other held jobs do not print**

These are possible solutions. Try one or more of the following:

**PARTIAL JOB, NO JOB, OR BLANK PAGE PRINTS**

The print job may contain a formatting error or invalid data.

- Delete the print job, and then print it again.
- For PDF documents, recreate the PDF and then print it again.

If you are printing from the Internet, then the printer may be reading multiple job titles as duplicates and deleting all jobs except the first one.

- For Windows users, open Print Properties. From the Print and Hold dialog, select the "Keep duplicate documents" check box under the User name text box before entering a PIN number.
- For Macintosh users, save each print job, naming each job differently, and then send the individual jobs to the printer.

**MAKE SURE THE PRINTER HAS SUFFICIENT MEMORY**

Free up additional printer memory by scrolling through the list of held jobs and deleting some of them.

## Print job takes longer than expected

Try one or more of the following:

### REDUCE THE COMPLEXITY OF THE PRINT JOB

Eliminate the number and size of fonts, the number and complexity of images, and the number of pages in the print job.

### TURN OFF THE PAGE PROTECT SETTING

From the home screen, navigate to:

 > Settings > General Settings > Print Recovery > Page Protect > Off > 

### CHANGE THE ENVIRONMENTAL SETTINGS

When using Eco-Mode or Quiet Mode settings, you may notice a reduction in performance.

## Job prints from the wrong tray or on the wrong paper

### CHECK THE PAPER TYPE SETTING

Make sure the paper type setting matches the paper loaded in the tray:

- 1 From the printer control panel Paper menu, check the Paper Type setting.
- 2 Before sending the job to print, specify the correct type setting:
  - For Windows users, specify the type from Print Properties.
  - For Macintosh users, specify the type from the Print dialog.

## Incorrect characters print

- Make sure the printer is not in Hex Trace mode. If **Ready Hex** appears on the display, you must exit Hex Trace mode before you can print your job. Turn the printer off and back on to exit Hex Trace mode.
- Make sure the SmartSwitch settings are set to On in the Network and USB menus.

## Tray linking does not work

These are possible solutions. Try one or more of the following:

### LOAD THE SAME SIZE AND TYPE OF PAPER

- Load the same size and type of paper in each tray to be linked.
- Move the paper guides to the correct positions for the paper size loaded in each tray.

## USE THE SAME PAPER SIZE AND PAPER TYPE SETTINGS

- Print a menu settings page and compare the settings for each tray.
- If necessary, adjust the settings from the Paper Size/Type menu.

**Note:** The standard 550-sheet tray and the multipurpose feeder do not automatically sense the paper size. You must set the size from the Paper Size/Type menu.

## Large jobs do not collate

These are possible solutions. Try one or more of the following:

### MAKE SURE COLLATE IS SET TO ON

From the Finishing menu or Print Properties, set Collate to On.

**Note:** Setting Collate to Off in the software overrides the setting in the Finishing menu.

### REDUCE THE COMPLEXITY OF THE PRINT JOB


Reduce the complexity of the print job by eliminating the number and size of fonts, the number and complexity of images, and the number of pages in the job.

### MAKE SURE THE PRINTER HAS ENOUGH MEMORY

Add printer memory or an optional hard disk.

## Unexpected page breaks occur

### INCREASE THE PRINT TIMEOUT VALUE

- 1 From the home screen, navigate to:  
 > **Settings** > **General Settings** > **Timeouts**
- 2 Touch the left or right arrow next to **Print Timeout** until the desired value appears.
- 3 Touch **Submit**.

## Solving copy problems

### Copier does not respond

These are possible solutions. Try one or more of the following:

### CHECK THE DISPLAY FOR ERROR MESSAGES

Clear any error messages.

## CHECK THE POWER

Make sure the printer is plugged in, the power is on, and **Ready** appears.

## Scanner unit does not close

Make sure there are no obstructions:

- 1 Lift the scanner unit.
- 2 Remove any obstruction keeping the scanner unit open.
- 3 Lower the scanner unit.

## Poor copy quality

These are some examples of poor copy quality:

- Blank pages
- Checkerboard pattern
- Distorted graphics or pictures
- Missing characters
- Faded print
- Dark print
- Skewed lines
- Smudges
- Streaks
- Unexpected characters
- White lines in print

Try one or more of the following:

## CLEAR ANY ERROR MESSAGES

Check the display and clear any error messages.

## REPLACE THE TONER OR PRINT CARTRIDGE

When the print remains faded, replace the toner or print cartridge.

## CLEAN THE SCANNER GLASS

The scanner glass may be dirty. Clean the scanner glass with a clean, lint-free cloth dampened with water.

For more information, see [“Cleaning the scanner glass” on page 215](#).

## ADJUST THE TONER DARKNESS OF THE COPY

Adjust the toner darkness from the Copy menus.

## MAKE SURE THE QUALITY OF THE ORIGINAL DOCUMENT IS SATISFACTORY

Check the quality of the original document.

## PLACE THE ORIGINAL DOCUMENT PROPERLY



Make sure the document or photo is loaded facedown on the scanner glass in the upper left corner.

## MAKE SURE TO USE THE APPROPRIATE COPY SETTINGS

When patterns (moiré) appear in the output:

- On the Copy screen make sure the Content Type and Source settings are appropriate for the document being scanned.
- From the Copy screen, navigate to:  
**Advanced Options > Advanced Imaging > Sharpness** > lower the Sharpness setting
- On the Copy screen, make sure no scaling is being selected.

When the text is light or disappearing:

- From the Copy screen, navigate to:  
**Content > Text** >  > select the appropriate source for the original document being copied > 
- From the Copy screen, navigate to:  
**Advanced Options > Advanced Imaging > Sharpness** > increase the current setting
- From the Copy screen, navigate to:  
**Advanced Options > Advanced Imaging > Background removal**, and then reduce the current setting
- From the Copy screen, navigate to:  
**Advanced Options > Advanced Imaging > Contrast** > increase the current setting
- From the Copy screen, navigate to:  
**Advanced Options > Advanced Imaging > Shadow detail** > reduce the current setting

When the output appears washed out or overexposed:

- On the Copy screen make sure the Content Type and Source settings are appropriate for the document being scanned.
- From the Copy screen, adjust the Darkness setting.
- From the Copy screen, navigate to:  
**Advanced Options > Advanced Imaging > Shadow detail** > reduce the current setting
- From the Copy screen, navigate to:  
**Advanced Options > Advanced Imaging > Background removal** > reduce the current setting

## Partial document or photo copies

These are possible solutions. Try one or more of the following:

### CHECK THE DOCUMENT PLACEMENT

Make sure the document or photo is loaded facedown on the scanner glass in the upper left corner.

## CHECK THE PAPER SIZE SETTING

Make sure the paper size setting matches the paper loaded in the tray:

- 1 From the printer control panel, check the Paper Size setting from the Paper menu.
- 2 Before sending the job to print, specify the correct size setting:
  - For Windows users, specify the size from Print Properties.
  - For Macintosh users, specify the size from the Page Setup dialog.

# Solving scanner problems

## Checking an unresponsive scanner

If your scanner is not responding, then make sure:

- The printer is turned on.
- The printer cable is securely attached to the printer and the host computer, print server, option, or other network device.
- The power cord is plugged into the printer and a properly grounded electrical outlet.
- The electrical outlet is not turned off by any switch or breaker.
- The printer is not plugged into any surge protectors, uninterruptible power supplies, or extension cords.
- Other electrical equipment plugged into the outlet is working.

Once you have checked each of these possibilities, turn the printer off and then back on. This often fixes the problem with the scanner.

## Scan was not successful

These are possible solutions. Try one or more of the following:

### CHECK THE CABLE CONNECTIONS

Make sure the network or USB cable is securely connected to the computer and the printer.

### AN ERROR MAY HAVE OCCURRED IN THE PROGRAM

Turn off and then restart the computer.

## Scanning takes too long or freezes the computer

These are possible solutions. Try one or more of the following:

### OTHER SOFTWARE PROGRAMS MAY BE INTERFERING WITH SCANNING

Close all programs not being used.

**THE SCAN RESOLUTION MAY BE SET TOO HIGH**

Select a lower scan resolution.

**Poor scanned image quality**

These are possible solutions. Try one or more of the following:

**CHECK THE DISPLAY FOR ERROR MESSAGES**

Clear any error messages.

**THE SCANNER GLASS MAY BE DIRTY**

Clean the scanner glass with a clean, lint-free cloth dampened with water. For more information, see [“Cleaning the scanner glass” on page 215](#).

**ADJUST THE SCAN RESOLUTION**

Increase the resolution of the scan for a higher quality output.

**CHECK THE QUALITY OF THE ORIGINAL DOCUMENT**

Make sure the quality of the original document is satisfactory.

**CHECK THE DOCUMENT PLACEMENT**

Make sure the document or photo is loaded facedown on the scanner glass in the upper left corner.

**Partial document or photo scans**

These are possible solutions. Try one or more of the following:

**CHECK THE DOCUMENT PLACEMENT**

Make sure the document or photo is loaded facedown on the scanner glass in the upper left corner.

**CHECK THE PAPER SIZE SETTING**

Make sure the paper size setting matches the paper loaded in the tray:

- 1 From the printer control panel, check the Paper Size setting from the Paper menu.
- 2 Before sending the job to print, specify the correct size setting:
  - For Windows users, specify the size from Print Properties.
  - For Macintosh users, specify the size from the Page Setup dialog.

## Cannot scan from a computer

These are possible solutions. Try one or more of the following:

### CHECK THE DISPLAY FOR ERROR MESSAGES

Clear any error messages.

### CHECK THE POWER

Make sure the printer is plugged in, the power is on, and **Ready** appears.

### CHECK THE CABLE CONNECTIONS

Make sure the network or USB cable is securely connected to the computer and the printer.

## Solving fax problems

### Fax and e-mail functions are not set up

The indicator light blinks red until you set up fax and e-mail. To set up fax and e-mail, follow these steps:

**Note:** Before completing these instructions for a printer on a network, make sure the fax cables are connected.

1 From the home screen, navigate to:

 > **General Settings** > **Run initial setup** > **Yes** > **Submit**

2 Turn the printer off, and then turn it back on.

3 From the printer control panel, touch your language.

4 Touch your country or region, and then touch **Continue**.

5 Select your time zone, and then touch **Continue**.

6 Touch **Fax** and **E-mail** to clear the icons, and then touch **Continue**.

**Note:** You can use these same steps to disable fax and e-mail.

### Caller ID is not shown

Contact your telecommunications company to verify that your telephone line is subscribed to the caller ID service.

If your region supports multiple caller ID patterns, you may have to change the default setting. There are two settings available: FSK (pattern 1) and DTMF (pattern 2). The availability of these settings by way of the Fax menu depends on whether your country or region supports multiple caller ID patterns. Contact your telecommunications company to determine which pattern or switch setting to use.



## Cannot send or receive a fax

These are possible solutions. Try one or more of the following:

### CHECK THE DISPLAY FOR ERROR MESSAGES

Clear any error messages.

### CHECK THE POWER

Make sure the printer is plugged in, the power is on, and **Ready** appears.

### CHECK THE PRINTER CONNECTIONS

Make sure the cable connections for the following hardware are secure, if applicable:

- Telephone
- Handset
- Answering machine

### CHECK THE TELEPHONE WALL JACK

- 1 Plug a telephone into the wall jack.
- 2 Listen for a dial tone.
- 3 If you do not hear a dial tone, then plug a different telephone into the wall jack.
- 4 If you still do not hear a dial tone, then plug a telephone into a different wall jack.
- 5 If you hear a dial tone, then connect the printer to that wall jack.

### REVIEW THIS DIGITAL PHONE SERVICE CHECKLIST

The fax modem is an analog device. Certain devices can be connected to the printer so that digital telephone services can be used.

- If you are using an ISDN telephone service, then connect the printer to an analog telephone port (an R-interface port) on an ISDN terminal adapter. For more information and to request an R-interface port, contact your ISDN provider.
- If you are using DSL, then connect to a DSL filter or router that will support analog use. For more information, contact your DSL provider.
- If you are using a PBX telephone service, then make sure you are connecting to an analog connection on the PBX. If none exists, consider installing an analog telephone line for the fax machine.

### CHECK FOR A DIAL TONE

- Place a test call to the telephone number to which you want to send a fax to make sure that it is working correctly.
- If the telephone line is being used by another device, then wait until the other device is finished before sending a fax.
- If you are using the On Hook Dial feature, then turn up the volume to verify a dial tone.

## TEMPORARILY DISCONNECT OTHER EQUIPMENT

To ensure the printer is working correctly, connect it directly to the telephone line. Disconnect any answering machines, computers with modems, or telephone line splitters.

## CHECK FOR JAMS

Clear any jams, and then make sure that **Ready** appears.

## TEMPORARILY DISABLE CALL WAITING

Call Waiting can disrupt fax transmissions. Disable this feature before sending or receiving a fax. Call your telephone company to obtain the keypad sequence for temporarily disabling Call Waiting.

## VOICE MAIL SERVICE MAY BE INTERFERING WITH THE FAX TRANSMISSION

Voice Mail offered through your local telephone company may disrupt fax transmissions. To enable both Voice Mail and the printer to answer calls, you may want to consider adding a second telephone line for the printer.

## THE PRINTER MEMORY MAY BE FULL

- 1 Dial the fax number.
- 2 Scan the original document one page at a time.

## Can send but not receive faxes

Try one or more of the following:

### LOAD PAPER

If the tray is empty, then load paper in the tray or feeder.

### CHECK THE RING COUNT DELAY SETTINGS

The ring count delay sets the number of times the phone rings before the printer answers. If you have extension phones on the same line as the printer, or subscribe to the telephone company's Distinctive Ring service, then keep the Ring Delay setting at 4.

- 1 Type the printer IP address in the address field of your Web browser.  
If you do not know the IP address of the printer, then you can:
  - View the IP address on the printer control panel in the TCP/IP section under the Networks/Ports menu.
  - Print a network setup page or the menu settings pages and locate the IP address in the TCP/IP section.
- 2 Click **Settings > Fax Settings > Analog Fax Setup**.
- 3 In the Rings to Answer field, enter the number of times you want the phone to ring before the printer answers.
- 4 Click **Submit**.

## REPLACE THE TONER OR PRINT CARTRIDGE

Replace the toner or print cartridge.

## Can receive but not send faxes

These are possible solutions. Try one or more of the following:

### THE PRINTER IS NOT IN FAX MODE

On the home screen, touch **Fax** to put the printer in Fax mode.

### THE DOCUMENT IS NOT LOADED PROPERLY

Load the original document faceup, short edge first into the ADF or facedown on the scanner glass in the upper left corner.

**Note:** Do not load postcards, photos, small items, transparencies, photo paper, or thin media (such as magazine clippings) into the ADF. Place these items on the scanner glass.

### MAKE SURE THE SHORTCUT NUMBER IS SET UP PROPERLY

- Check to make sure the shortcut number has been programmed for the number that you want to dial.
- As an alternative, dial the telephone number manually.

## Received fax has poor print quality

Try one or more of the following:

### RESEND THE DOCUMENT

Ask the person who sent you the fax to:

- Check that the quality of the original document is satisfactory.
- Resend the fax. There may have been a problem with the quality of the telephone line connection.
- Increase the fax scan resolution, if possible.

### REPLACE THE CARTRIDGE

When **88 Cartridge low** appears or when the prints appear faded, replace the cartridge.

### MAKE SURE THE FAX TRANSMISSION SPEED IS NOT SET TOO HIGH

Decrease the incoming fax transmission speed:

- 1 Type the printer IP address in the address field of your Web browser.

**Note:** If you do not know the IP address of the printer, then print a network setup page and locate the IP address in the TCP/IP section.

- 2 Click **Settings > Fax Settings > Analog Fax Setup**.

- 3 In the Max Speed box, click one of the following:

**2400**

**4800**

**9600**

**14400**

**33600**

- 4 Click **Submit**.

## Solving home screen application problems

### An application error has occurred

#### CHECK THE SYSTEM LOG FOR RELEVANT DETAILS

- 1 Type the printer IP address or host name in the address field of your Web browser.  
If you do not know the IP address or host name of the printer, then you can:
  - View the information on the printer control panel home screen, or in the TCP/IP section under the Networks/Ports menu.
  - Print a network setup page or menu settings page and locate the information in the TCP/IP section.
- 2 Click **Settings** or **Configuration**.
- 3 Click **Device Solutions** > **Solutions (eSF)** > **System** tab > **Log**.
- 4 From the Filter menu, select an application status.
- 5 From the Application menu, select an application, and then click **Submit**.

#### MAKE SURE THE FILE NAME YOU WANT TO SCAN TO IS NOT ALREADY IN USE

Verify that the file to which you want to scan is not open by another application or user.

To help prevent errors, make sure either “Append time stamp” or “Overwrite existing file” is selected in the destination configuration settings.

#### ADJUST THE SCAN SETTINGS

In the destination configuration settings, lower the scan settings. For example, lower the scan resolution, disable Color, or change the Content type to Text.

#### CONTACT CUSTOMER SUPPORT

If you still cannot isolate the problem, then contact customer support.

## Solving option problems

### Option does not operate correctly or quits after it is installed

Try one or more of the following:

#### RESET THE PRINTER

Turn the printer off, wait for about 10 seconds, and then turn the printer on.

#### CHECK TO SEE IF THE OPTION IS CONNECTED TO THE PRINTER

- 1 Turn the printer off using the power switch.
- 2 Unplug the power cord from the wall outlet, and then from the printer.
- 3 Check the connection between the option and the printer.

#### MAKE SURE THE OPTION IS INSTALLED CORRECTLY

Print a menu settings page and check to see if the option is listed in the Installed Options list. If the option is not listed, then reinstall it. For more information, see the hardware setup documentation that came with the option, or go to [www.lexmark.com](http://www.lexmark.com) to view the option instruction sheet.

#### MAKE SURE THE OPTION IS SELECTED

From the computer you are printing from, select the option.

For more information, see [“Updating available options in the printer driver” on page 47](#).

## Paper tray problems

Try one or more of the following:

#### MAKE SURE THE PAPER IS LOADED CORRECTLY

- 1 Open the paper tray.
- 2 Check for paper jams or misfeeds.
- 3 Make sure the paper guides are aligned against the edges of the paper.
- 4 Make sure the paper tray closes properly.

#### RESET THE PRINTER

Turn the printer off, wait about 10 seconds, and then turn the printer on.

## **MAKE SURE THE PAPER TRAY IS INSTALLED CORRECTLY**

If the paper tray is listed on the menu settings page, but paper jams when it enters or exits the tray, then it may not be properly installed. Reinstall the paper tray. For more information, see the hardware setup documentation that came with the paper tray, or go to <http://support.lexmark.com> to view the paper tray instruction sheet.

## **2,000-sheet drawer problems**

### **CHECK THE DRAWER CONNECTION**

Make sure the 2,000-sheet drawer is properly connected to the printer.

### **LOAD PAPER**

If the tray is empty, then load paper in the tray or feeder

### **CLEAR ANY JAMS**

Open the side door of the tray or feeder, and then remove any jammed paper.

### **AVOID PAPER JAMS**

- Flex the paper.
- Make sure the drawer is properly installed.
- Make sure paper is loaded correctly.
- Make sure the paper stack you load does not exceed the maximum stack height indicated in the tray.
- Make sure the paper or specialty media meets specifications and is not damaged.
- Make sure the guides are positioned correctly for the paper size loaded.

## **Cannot detect flash memory card**

Make sure the flash memory card is securely connected to the printer system board.

## **Cannot detect printer hard disk**

Make sure the printer hard disk is securely connected to the printer system board.

## **Internal Solutions Port does not operate correctly**

Try one or more of the following:

### **CHECK THE INTERNAL SOLUTIONS PORT (ISP) CONNECTIONS**

Make sure the ISP is securely connected to the printer system board.

## CHECK THE CABLE

Make sure you are using the correct cable and that it is securely connected to the Internal Solutions (ISP) port.

## MAKE SURE THE NETWORK SOFTWARE IS CONFIGURED CORRECTLY

For information on installing the network printing software, see the *Networking Guide* on the *Software and Documentation* CD.

## Internal print server does not operate correctly

Try one or more of the following:

### CHECK THE PRINT SERVER CONNECTIONS

- Make sure the internal print server is attached securely to the printer system board.
- Make sure you are using the correct cable and that it is securely connected.

## MAKE SURE THE NETWORK SOFTWARE IS CONFIGURED CORRECTLY

For more information on installing the network printing software, do the following:

- 1 Open the *Software and Documentation* CD.
- 2 Click **Additional**.
- 3 Under Publications on this CD, select **Networking Guide**.

## Memory card

Make sure the memory card is securely connected to the printer system board.

## USB/parallel interface card does not operate correctly

### CHECK THE USB/PARALLEL INTERFACE CARD CONNECTION

Make sure the USB/parallel interface card is securely connected to the printer system board.

### CHECK THE CABLE

Make sure you are using the correct cable and that it is securely connected.

## Solving paper feed problems

### Paper frequently jams

These are possible solutions. Try one or more of the following:

#### CHECK THE PAPER

Use recommended paper and specialty media. For more information, see the chapter about paper and specialty media guidelines.

#### MAKE SURE THERE IS NOT TOO MUCH PAPER IN THE PAPER TRAY

Make sure the stack of paper you load does not exceed the maximum stack height indicated in the tray or on the multipurpose feeder.

#### CHECK THE PAPER GUIDES

Move the guides in the tray to the correct positions for the paper size loaded.

#### THE PAPER MAY HAVE ABSORBED MOISTURE DUE TO HIGH HUMIDITY

- Load paper from a fresh package.
- Store paper in its original wrapper until you use it.

### Paper jam message remains after jam is cleared

#### CHECK THE PAPER PATH

The paper path is not clear. Clear jammed paper from the entire paper path, and then touch **Continue**.

### Jammed pages are not reprinted

#### TURN ON JAM RECOVERY

- 1 From the home screen, navigate to:

 > **Settings** > **General Settings** > **Print Recovery**

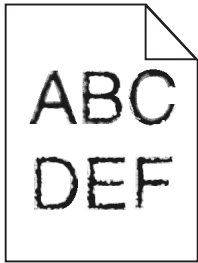
- 2 Touch the arrows next to **Jam Recovery** until **On** or **Auto** appears.
- 3 Touch **Submit**.



## Solving print quality problems

If these suggestions do not correct the problem, then contact customer support. You may have a printer part that requires adjustment or replacement.

### Characters have jagged or uneven edges



If you are using downloaded fonts, verify that the fonts are supported by the printer, the host computer, and the software program.

### Clipped images

Try one or more of the following:

#### CHECK THE GUIDES

Move the width and length guides in the tray to the correct positions for the paper size loaded.

#### CHECK THE PAPER SIZE SETTING

Make sure the paper size setting matches the paper loaded in the tray:

- 1 From the printer control panel Paper menu, check the Paper Size setting.
- 2 Before sending the job to print, specify the correct size setting:
  - For Windows users, specify the size from Print Properties.
  - For Macintosh users, specify the size from the Page Setup dialog.

### Fine horizontal lines appear on color pages

You may notice fine, horizontal lines in photographs or pages with a high concentration of color. This can occur when the printer is in Quiet Mode. To fix this, set Quiet Mode to **Off (Image/Photo)**.

## Shadow images appear on prints



Try one or more of the following:

### CHECK THE PAPER TYPE AND WEIGHT SETTINGS

Make sure the paper type and weight settings match the paper loaded in the tray or feeder:

- 1 From the printer control panel Paper menu, check the Paper Type and Paper Weight settings.
- 2 Before sending the print job, specify the correct paper type setting:
  - For Windows users, specify the paper type from Print Properties.
  - For Macintosh users, specify the paper type from the Print dialog.

### MAKE SURE THE PRINT CARTRIDGE IS NOT LOW ON TONER

When **88.xx [color] cartridge low** appears, make sure that toner is distributed evenly among all four print cartridges or whichever color has the shadow images.

- 1 Remove the print cartridge.

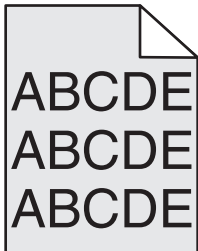
**Warning—Potential Damage:** Be careful not to touch the photoconductor drum. Doing so may affect the print quality of future print jobs.

- 2 Firmly shake the cartridge side-to-side and front-to-back several times to redistribute the toner.
- 3 Reinsert the print cartridge.

**Note:** If print quality does not improve, replace the print cartridge of the color that is giving a shadow.

If the problem continues, the printer may need to be serviced. For more information, contact customer support.

## Gray background on prints



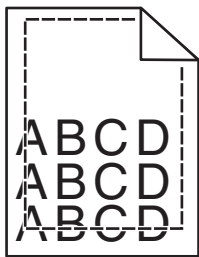
**CHECK THE BACKGROUND DARKNESS OR REMOVAL SETTING**

Try one or more of the following:

- Adjust the darkness to a lighter setting.
- Increase the background removal setting.

**MAKE SURE THERE IS NO WORN OR DEFECTIVE PRINT CARTRIDGE**

Replace the worn or defective print cartridge.

**Incorrect margins**

These are possible solutions. Try one or more of the following:

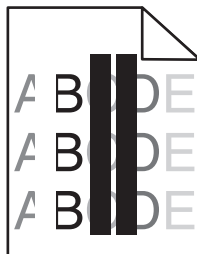
**CHECK THE PAPER GUIDES**

Move the guides in the tray to the correct positions for the paper size loaded.

**CHECK THE PAPER SIZE SETTING**

Make sure the paper size setting matches the paper loaded in the tray:

- 1 From the printer control panel Paper menu, check the Paper Size setting.
- 2 Before sending the job to print, specify the correct size setting:
  - For Windows users, specify the size from Print Properties.
  - For Macintosh users, specify the size from the Page Setup dialog.

**Light colored line, white line, or incorrectly colored line appears on prints**

Try one or more of the following:

**MAKE SURE THERE IS NO DEFECTIVE PRINT CARTRIDGE**

Replace the defective print cartridge.

**MAKE SURE THE TRANSFER BELT IS NOT DEFECTIVE**

Replace the defective transfer belt. For more information, see the instruction sheet that came with the replacement part.

**Paper curl**

Try one or more of the following:

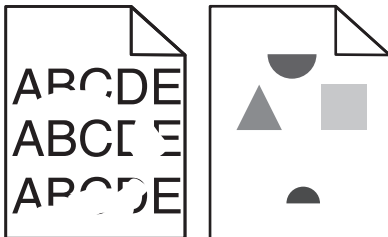
**CHECK THE PAPER TYPE AND WEIGHT SETTINGS**

Make sure the paper type and weight settings match the paper loaded in the tray or feeder:

- 1 From the printer control panel Paper menu, check the Paper Type and Paper Weight settings.
- 2 Before sending the print job, specify the correct paper type setting:
  - For Windows users, specify the paper type from Print Properties.
  - For Macintosh users, specify the paper type from the Print dialog.

**LOAD PAPER FROM A FRESH PACKAGE**

Paper absorbs moisture due to high humidity. Store paper in its original wrapper until you use it.

**Print irregularities**

Try one or more of the following:

**LOAD PAPER FROM A FRESH PACKAGE**

The paper may have absorbed moisture due to high humidity. Store paper in its original wrapper until you use it.

**CHECK THE PAPER TYPE AND WEIGHT SETTINGS**

Make sure the paper type and weight settings match the paper loaded in the tray or feeder:

- 1** From the printer control panel Paper menu, check the Paper Type and Paper Weight settings.
- 2** Before sending the print job, specify the correct paper type setting:
  - For Windows users, specify the paper type from Print Properties.
  - For Macintosh users, specify the paper type from the Print dialog.

**AVOID TEXTURED PAPER WITH ROUGH FINISHES****MAKE SURE THERE IS NO DEFECTIVE PRINT CARTRIDGE**

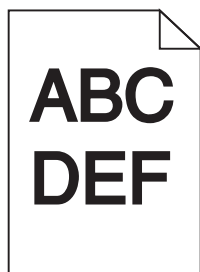
Replace the worn or defective print cartridge.

**MAKE SURE THE TRANSFER BELT IS NOT DEFECTIVE**

Replace the defective transfer belt. For more information, see the instruction sheet that came with the replacement part.

**MAKE SURE THE FUSER IS NOT DEFECTIVE**

Replace the defective fuser. For more information, see the instruction sheet that came with the replacement part.

**Print is too dark**

Try one or more of the following:

**LOAD PAPER FROM A FRESH PACKAGE**

The paper may have absorbed moisture due to high humidity. Store paper in its original wrapper until you use it.

**AVOID TEXTURED PAPER WITH ROUGH FINISHES****CHECK THE PAPER TYPE SETTING**

Make sure the Paper Type setting matches the paper loaded in the tray or feeder:

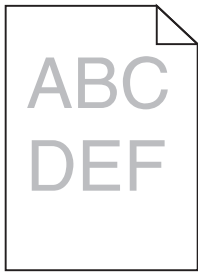
- From the printer control panel Paper menu, check the Paper Type setting.
- For Windows users, check this setting from Print Properties.

- For Macintosh users, check this setting from the Print dialog.

### MAKE SURE THERE IS NO DEFECTIVE PRINT CARTRIDGE

Replace the defective print cartridge.

## Print is too light



Try one or more of the following:

### LOAD PAPER FROM A FRESH PACKAGE

The paper may have absorbed moisture from high humidity. Store paper in its original wrapper until you use it.

### AVOID TEXTURED PAPER WITH ROUGH FINISHES

### CHECK THE PAPER TYPE SETTING

Make sure the Paper Type setting matches the paper loaded in the tray or feeder:

- From the printer control panel Paper menu, check the Paper Type setting.
- For Windows users, check this setting from Print Properties.
- For Macintosh users, check this setting from the Print dialog.

### MAKE SURE THE PRINT CARTRIDGE IS NOT LOW ON TONER

When **88.xx [color] cartridge low** appears, make sure the toner is distributed evenly within the print cartridge.

- 1 Remove the print cartridge.

**Warning—Potential Damage:** Be careful not to touch the photoconductor drum. Doing so may affect the print quality of future print jobs.

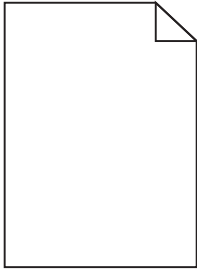
- 2 Firmly shake the cartridge side-to-side and front-to-back several times to redistribute the toner.
- 3 Reinsert the print cartridge.

**Note:** If print quality does not improve, then replace the print cartridge.

If the problem continues, then the printer may need to be serviced. For more information, contact customer support.

**MAKE SURE THERE IS NO DEFECTIVE PRINT CARTRIDGE**

Replace the defective print cartridge.

**Printer is printing blank pages**

Try one or more of the following:

**MAKE SURE THERE IS NO PACKING MATERIAL LEFT ON THE TONER OR PRINT CARTRIDGE**

Remove the cartridge and make sure the packing material is properly removed. Reinstall the cartridge.

**MAKE SURE THE TONER OR PRINT CARTRIDGE IS NOT LOW ON TONER**

When **88.xx [color] cartridge low** appears, make sure that toner is distributed evenly among all four cartridges:

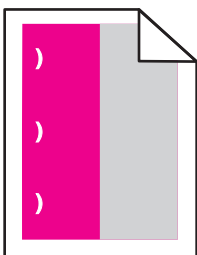
- 1 Remove the cartridge.

**Warning—Potential Damage:** Be careful not to touch the photoconductor drum. Doing so may affect the print quality of future print jobs.

- 2 Firmly shake the cartridge side-to-side and front-to-back several times to redistribute the toner.
- 3 Reinsert the cartridge.

**Note:** If print quality does not improve, then replace the cartridge of the color that is not printing.

If the problem continues, then the printer may need to be serviced. For more information, contact customer support.

**Repeating defects appear on prints**

Try one or more of the following:

## REPLACE THE PRINT CARTRIDGE

Replace the print cartridge of the color with the repeating defect, if the print defects occur in the following instances:

- in every 37.7 mm (1.48 in.) of the page
- in every 41.6 mm (1.64 in.) of the page
- in every 42.7 mm (1.68 in.) of the page
- in every 94.3 mm (3.71 in.) of the page

## REPLACE THE FUSER

Replace the fuser if print defects occur in the following instances:

- in every 95.0 mm (3.74 in.) of the page
- in every 146.7 mm (5.78 in.) of the page

## Skewed print

These are possible solutions. Try one or more of the following:

### CHECK THE PAPER GUIDES

Move the length and width guides in the tray to the correct positions for the paper size loaded.

- Make sure the guides are not too far from the paper stack.
- Make sure the guides are not pressing too lightly against the paper stack.

### CHECK THE PAPER

Make sure you are using paper that meets the printer specifications.

## Solid color or black pages appear on prints



## MAKE SURE THE PRINT CARTRIDGES ARE INSTALLED CORRECTLY, ARE NOT DEFECTIVE AND NOT LOW ON TONER

- Remove the print cartridges.

**Warning—Potential Damage:** Be careful not to touch the photoconductor drum. Doing so may affect the print quality of future print jobs.

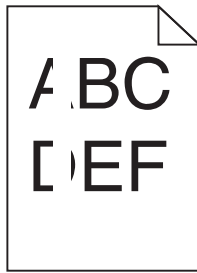
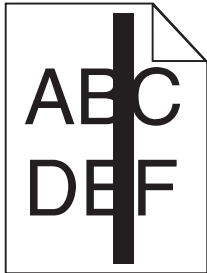
- Reinsert the print cartridges.

**Note:** If the quality does not improve, replace the print cartridges.



- If the problem continues, the printer may need to be serviced. For more information, contact customer support.

## Black or white streaks appear on transparencies or paper



Try one or more of the following:

### ENSURE THAT THE FILL PATTERN IS CORRECT

If the fill pattern is incorrect, choose a different fill pattern from your software program.

### CHECK THE PAPER TYPE

- Use only the recommended transparencies.
- Ensure that the Paper Type setting matches what is loaded in the tray or feeder.
- Ensure that the Paper Texture setting is correct for the type of paper or specialty media loaded in the tray or feeder.

### MAKE SURE THE PRINT CARTRIDGE IS NOT LOW ON TONER

When **88.xx [color] cartridge low** appears, make sure the toner is distributed evenly within the print cartridge:

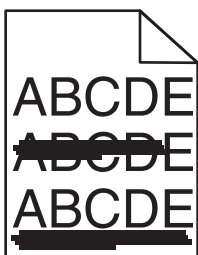
- 1 Remove the print cartridge.

**Warning—Potential Damage:** Be careful not to touch the photoconductor drum. Doing so may affect the print quality of future print jobs.

- 2 Firmly shake the cartridge side-to-side and front-to-back several times to redistribute the toner.
- 3 Reinsert the print cartridge.

If the problem continues, the printer may need to be serviced. For more information, contact Customer Support.

## Streaked horizontal lines appear on prints



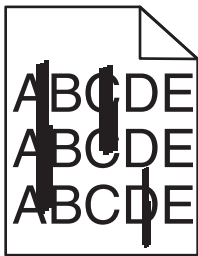
Try one or more of the following:

**SELECT ANOTHER TRAY OR FEEDER**

- From the printer control panel Paper Menu, select Default Source.
- For Windows users, select the paper source from Print Properties.
- For Macintosh users, select the paper source from the Print dialog and pop-up menus.

**MAKE SURE THERE IS NO WORN, DEFECTIVE, OR EMPTY PRINT CARTRIDGE**

Replace the worn, defective, or empty print cartridge.

**Streaked vertical lines**

These are possible solutions. Try one or more of the following:

**THE TONER IS SMEARED**

Select another tray or feeder to feed paper for the job:

- From the printer control panel, select the Default Source from the Paper Menu.
- For Windows users, select the paper source from Print Properties.
- For Macintosh users, select the paper source from the Print dialog and pop-up menus.

**A TONER CARTRIDGE IS DEFECTIVE**

Replace the defective toner cartridge.

**THE TRANSFER MODULE IS WORN OR DEFECTIVE**

Replace the transfer module.

**Toner fog or background shading appears on a page**

Try one or more of the following:

**MAKE SURE PRINT CARTRIDGES ARE INSTALLED CORRECTLY AND ARE NOT DEFECTIVE**

Reinstall or replace the print cartridge.

**MAKE SURE THE TRANSFER BELT IS NOT WORN OR DEFECTIVE**

Replace the transfer belt. For more information, see the instruction sheet that came with the replacement part.

**MAKE SURE THE FUSER IS NOT WORN OR DEFECTIVE**

Replace the fuser. For more information, see the instruction sheet that came with the replacement part.

**MAKE SURE THERE IS NO TONER IN THE PAPER PATH**

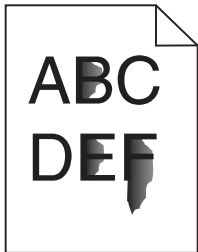
Clean any visible toner from the paper path. If the problem persists, then contact customer support.

**RECALIBRATE THE PRINTER**

Perform color adjust from the printer control panel Quality menu.

**CHECK THE SOFTWARE PROGRAM OR APPLICATION**

The software program or application may have specified an off-white background.

**Toner rubs off**

These are possible solutions. Try one or more of the following:

**CHECK THE PAPER TYPE SETTING**

Make sure the paper type setting matches the paper loaded in the tray.

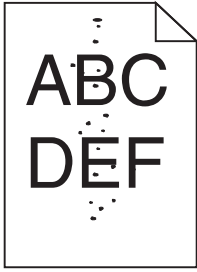
**CHECK THE PAPER WEIGHT AND PAPER TEXTURE SETTINGS**

Change the Paper Weight from Normal to Heavy. If necessary, change the Paper Texture from Normal to Rough in the printer control panel Paper menu.

**THE FUSER IS WORN OR DEFECTIVE**

Replace the fuser.

## Toner specks



These are possible solutions. Try one or more of the following:

### THE TONER CARTRIDGES ARE WORN OR DEFECTIVE

Replace the defective or worn cartridges.

### THERE IS TONER IN THE PAPER PATH

Contact Customer Support.

## Transparency print quality is poor

Try one or more of the following:

### CHECK THE TRANSPARENCIES

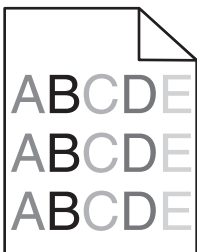
Use only transparencies that meet the printer specifications.

### CHECK THE PAPER TYPE SETTING

Make sure the paper type setting is set to Transparency:

- 1 From the printer control panel Paper menu, check the Paper Type setting.
- 2 Before sending the job to print, specify the correct type setting:
  - For Windows users, specify the type from Print Properties.
  - For Macintosh users, specify the type from the Print dialog.

## Uneven print density



**MAKE SURE THERE IS NO DEFECTIVE OR WORN PRINT CARTRIDGE**

Replace the worn or defective print cartridge.

## Solving color quality problems

### FAQ about color printing

**What is RGB color?**

Red, green, and blue light can be added together in various amounts to produce a large range of colors observed in nature. For example, red and green can be combined to create yellow. Televisions and computer monitors create colors in this manner. RGB color is a method of describing colors by indicating the amount of red, green, or blue needed to produce a certain color.

**What is CMYK color?**

Cyan, magenta, yellow, and black inks or toners can be printed in various amounts to produce a large range of colors observed in nature. For example, cyan and yellow can be combined to create green. Printing presses, inkjet printers, and color laser printers create colors in this manner. CMYK color is a method of describing colors by indicating the amount of cyan, magenta, yellow, and black needed to reproduce a particular color.

**How is color specified in a document to be printed?**

Software programs typically specify document color using RGB or CMYK color combinations. Additionally, they allow users to modify the color of each object in a document. For more information, see the software program Help topics.

**How does the printer know what color to print?**

When a user prints a document, information describing the type and color of each object is sent to the printer. The color information is passed through color conversion tables that translate the color into the appropriate amounts of cyan, magenta, yellow, and black toner needed to produce the desired color. The object information determines the application of color conversion tables. For example, it is possible to apply one type of color conversion table to text while applying a different color conversion table to photographic images.

**Why doesn't the printed color match the color I see on the computer screen?**

The color conversion tables used in Auto Color Correction mode generally approximate the colors of a standard computer monitor. However, because of technology differences that exist between printers and monitors, there are many colors that can also be affected by monitor variations and lighting conditions. For recommendations on how the printer color sample pages may be useful in solving certain color-matching problems, see the question, "How can I match a particular color (such as a corporate logo)?"

**The printed page appears tinted. Can I adjust the color?**

Sometimes a printed page may appear tinted (for example, everything printed seems to be too red). This can be caused by environmental conditions, paper type, lighting conditions, or user preference. In these instances, adjust the Color Balance setting to create a more preferable color. Color Balance provides the user with the ability to make subtle adjustments to the amount of toner being used in each color plane. Selecting positive or negative values for cyan, magenta, yellow, and black (from the Color Balance menu) will slightly increase or decrease the amount of toner used for the chosen color. For example, if a printed page has a red tint, then decreasing both magenta and yellow could potentially improve the color balance.

### My color transparencies seem dark when they are projected. Is there anything I can do to improve the color?

This problem most commonly occurs when projecting transparencies with reflective overhead projectors. To obtain the highest projected color quality, transmissive overhead projectors are recommended. If a reflective projector must be used, then adjusting the Toner Darkness setting to 1, 2, or 3 will lighten the transparency. Make sure to print on the recommended type of color transparencies.

### What is manual color correction?

When manual color correction is enabled, the printer employs user-selected color conversion tables to process objects. However, Color Correction must be set to Manual, or no user-defined color conversion will be implemented. Manual color correction settings are specific to the type of object being printed (text, graphics, or images), and how the color of the object is specified in the software program (RGB or CMYK combinations).

#### Notes:

- Manual color correction is not useful if the software program does not specify colors with RGB or CMYK combinations. It is also not effective in situations in which the software program or the computer operating system controls the adjustment of colors.
- The color conversion tables—applied to each object when Color Correction is set to Auto—generate preferred colors for the majority of documents.

To manually apply a different color conversion table:

- 1 From the Quality menu, select **Color Correction**, and then select **Manual**.
- 2 From the Quality menu, select **Manual Color**, and then select the appropriate color conversion table for the affected object type.

Object type	Color conversion tables
RGB Image RGB Text RGB Graphics	<ul style="list-style-type: none"> <li>• <b>Vivid</b>—Produces brighter, more saturated colors and may be applied to all incoming color formats.</li> <li>• <b>sRGB Display</b>—Produces an output that approximates the colors displayed on a computer monitor. Black toner usage is optimized for printing photographs.</li> <li>• <b>Display—True Black</b>—Produces an output that approximates the colors displayed on a computer monitor. Uses only black toner to create all levels of neutral gray.</li> <li>• <b>sRGB Vivid</b>—Provides an increased color saturation for the sRGB Display color correction. Black usage is optimized for printing business graphics.</li> <li>• <b>Off</b>—No color correction is implemented.</li> </ul>
CMYK Image CMYK Text CMYK Graphics	<ul style="list-style-type: none"> <li>• <b>US CMYK</b>—Applies color correction to approximate the SWOP (Specifications for Web Offset Publishing) color output.</li> <li>• <b>Euro CMYK</b>—Applies color correction to approximated EuroScale color output.</li> <li>• <b>Vivid CMYK</b>—Increases the color saturation of the US CMYK color correction setting.</li> <li>• <b>Off</b>—No color correction is implemented.</li> </ul>

### How can I match a particular color (such as a corporate logo)?

From the printer Quality menu, nine types of Color Samples sets are available. These are also available from the Color Samples page of the Embedded Web Server. Selecting any sample set generates a multiple-page printout consisting of hundreds of colored boxes. Either a CMYK or RGB combination is located on each box, depending on the table selected. The observed color of each box is obtained by passing the CMYK or RGB combination labeled on the box through the selected color conversion table.

By examining Color Samples sets, a user can identify the box whose color is the closest to the desired color. The color combination labeled on the box can then be used for modifying the color of the object in a software program. For more information, see the software program Help topics. Manual color correction may be necessary to utilize the selected color conversion table for the particular object.

Selecting which Color Samples set to use for a particular color-matching problem depends on the Color Correction setting being used (Auto, Off, or Manual), the type of object being printed (text, graphics, or images), and how the color of the object is specified in the software program (RGB or CMYK combinations). When the printer Color Correction setting is set to Off, the color is based on the print job information; and no color conversion is implemented.

**Note:** The Color Samples pages are not useful if the software program does not specify colors with RGB or CMYK combinations. Additionally, certain situations exist in which the software program or the computer operating system adjusts the RGB or CMYK combinations specified in the program through color management. The resulting printed color may not be an exact match of the Color Samples pages.

### What are detailed Color Samples and how do I access them?

Detailed Color Samples sets are available only through the Embedded Web Server of a network printer. A detailed Color Samples set contains a range of shades (displayed as colored boxes) that are similar to a user-defined RGB or CMYK value. The likeness of the colors in the set are dependent on the value entered in the RGB or CMYK Increment box.

To access a detailed Color Samples set from the Embedded Web Server:

- 1 Type the printer IP address or host name in the address field of your Web browser.

**Note:** If you do not know the IP address or host name of the printer, then you can:

- View the information on the printer control panel home screen, or in the TCP/IP section under the Networks/Ports menu.
- Print a network setup page or menu settings page and locate the information in the TCP/IP section.

- 2 Click **Configuration > Color Samples > Detailed Options**.

- 3 Select a color conversion table.

- 4 Enter the RGB or CMYK color number.

- 5 Enter an increment value from 1–255.

**Note:** The closer the value is to 1, the narrower the color sample range will appear.

- 6 Click **Print**.

## Embedded Web Server does not open

Try one or more of the following:

### CHECK THE NETWORK CONNECTION

Make sure the printer and computer are turned on and connected to the same network.

### CHECK THE ADDRESS ENTERED IN THE WEB BROWSER

- Depending on the network settings, you may need to type “**https://**” instead of “**http://**” before the printer IP address to access the Embedded Web Server. For more information, contact your system support person.
- Make sure printer IP address is correct.

### TEMPORARILY DISABLE WEB PROXY SERVERS

Proxy servers may block or restrict you from accessing certain Web sites including the Embedded Web Server. For more information, contact your system support person.

## Contacting customer support

When you call customer support, describe the problem you are experiencing, the message on the display, and the troubleshooting steps you have already taken to find a solution.

You need to know your printer model type and serial number. For more information, see the label on the inside top front cover of the printer. The serial number is also listed on the menu settings page.

In the U.S. or Canada, call 1-800-539-6275. For other countries or regions, visit the Lexmark Web site at <http://support.lexmark.com>.



# Notices

## Product information

Product name:

Lexmark X792de, X792dte, X792dtfe, X792dtpe, X792dtme, X792dtse, XS795dte, XS798dte

Machine type:

7562, 4917

Model(s):

432, 436, 486, 496, dn1, dn2, gd1, gd2, dt1, dt2, gt1, gt2, df1, df2, gf1, gf2, d01, d02, g01, g02, t01, t02, g91, g92, f01, f02, g81, g82

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October 2014

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Geneva	Apple Computer, Inc.
GillSans	The Monotype Corporation plc
Helvetica	Linotype-Hell AG and/or its subsidiaries
Hoefler	Jonathan Hoefler Type Foundry
ITC Avant Garde Gothic	International Typeface Corporation
ITC Bookman	International Typeface Corporation
ITC Mona Lisa	International Typeface Corporation
ITC Zapf Chancery	International Typeface Corporation
Joanna	The Monotype Corporation plc
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# Federal Communications Commission (FCC) compliance information statement

This product has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The FCC Class A limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

The manufacturer is not responsible for any radio or television interference caused by using other than recommended cables or by unauthorized changes or modifications to this equipment. Unauthorized changes or modifications could void the user's authority to operate this equipment.

**Note:** To assure compliance with FCC regulations on electromagnetic interference for a Class A computing device, use a properly shielded and grounded cable such as Lexmark part number 1021231 for parallel attach or 1021294 for USB attach. Use of a substitute cable not properly shielded and grounded may result in a violation of FCC regulations.

# Modular component notice

This product may contain the following modular component(s):

Lexmark regulatory type/model LEX-M01-003; FCC ID: IYLM01003; IC: 2376A-M01003

# Licensing notices

The following documents can be viewed from the installation software CD.

Directory	File
CD:\LEGAL	FW_License.pdf mDNS.tar.gz Expat.txt Inst_lib.txt Instgui.txt Instgui.zip

## Noise emission levels

The following measurements were made in accordance with ISO 7779 and reported in conformance with ISO 9296.

**Note:** Some modes may not apply to your product.

1-meter average sound pressure, dBA	
Printing	52 (one-sided), 53 (two-sided)
Scanning	54
Copying	53
Ready	27

Values are subject to change. See [www.lexmark.com](http://www.lexmark.com) for current values.

## Waste from Electrical and Electronic Equipment (WEEE) directive



The WEEE logo signifies specific recycling programs and procedures for electronic products in countries of the European Union. We encourage the recycling of our products.

If you have further questions about recycling options, visit the Lexmark Web site at [www.lexmark.com](http://www.lexmark.com) for your local sales office phone number.

## India E-Waste notice

This product complies with the India E-Waste (Management and Handling) Rules, 2011, which prohibit use of lead, mercury, hexavalent chromium, polybrominated biphenyls, or polybrominated diphenyl ethers in concentrations exceeding 0.1% by weight and 0.01% by weight for cadmium, except for the exemption set in Schedule II of the Rules.

## Battery notice

This product contains Perchlorate material. Special handling may apply. For more information, go to <http://www.dtsc.ca.gov/hazardouswaste/perchlorate/>.

Static sensitivity notice



This symbol identifies static-sensitive parts. Do not touch in the areas near these symbols without first touching the metal frame of the printer.

ENERGY STAR

Any Lexmark product bearing the ENERGY STAR emblem on the product or on a start-up screen is certified to comply with Environmental Protection Agency (EPA) ENERGY STAR requirements as configured when shipped by Lexmark.



Temperature information

Ambient temperature	15.6 to 32.2°C (60 to 90°F)
Shipping and storage temperature	-40 to 40°C (-40 to 104°F)

Laser notice

The printer is certified in the U.S. to conform to the requirements of DHHS 21 CFR Chapter I, Subchapter J for Class I (1) laser products, and elsewhere is certified as a Class I laser product conforming to the requirements of IEC 60825-1.

Class I laser products are not considered to be hazardous. The printer contains internally a Class IIIb (3b) laser that is nominally a 10 milliwatt gallium arsenide laser operating in the wavelength of 787-800 nanometers. The laser system and printer are designed so there is never any human access to laser radiation above a Class I level during normal operation, user maintenance, or prescribed service condition.

Laser advisory label

A laser notice label may be affixed to this printer as shown:

DANGER - Invisible laser radiation when cartridges are removed and interlock defeated. Avoid exposure to laser beam.

PERIGO - Radiação a laser invisível será liberada se os cartuchos forem removidos e o lacre rompido. Evite a exposição aos feixes de laser.

Opasnost - Nevidljivo lasersko zračenje kada su kasete uklonjene i poništena sigurnosna veza. Izbjegavati izlaganje zracima.

NEBEZPEČÍ - Když jsou vyjmuty kazety a je odblokována pojistka, ze zařízení je vysíláno neviditelné laserové záření. Nevystavujte se působení laserového paprsku.

FARE - Usynlig laserstrålning, når patroner fjernes, og spærreanordningen er slået fra. Undgå at blive udsat for laserstrålen.

GEVAAR - Onzichtbare laserstraling wanneer cartridges worden verwijderd en een vergrendeling wordt genegeerd. Voorkom blootstelling aan de laser.

DANGER - Rayonnements laser invisibles lors du retrait des cartouches et du déverrouillage des loquets. Eviter toute exposition au rayon laser.

VAARA - Näkymättömä lasersäteilyä on varottava, kun värikasetit on poistettu ja lukitus on auki. Vältä lasersäteelle altistumista.

GEFAHR - Unsichtbare Laserstrahlung beim Herausnehmen von Druckkassetten und offener Sicherheitssperre. Laserstrahl meiden.

ΚΙΝΔΥΝΟΣ - Εκκυσση αόρατης ακτινοβολίας laser κατά την αφαίρεση των κασετών και την απασφάλιση της μανδάλωσης. Αποφεύγετε την έκθεση στην ακτινοβολία laser.

VESZÉLY - Nem látható lézersugárzás fordulhat elő a patronok eltávolításakor és a zárószekrézet felbontásakor. Kerülje a lézersugárnak való kitettséget.

PERICOLO - Emissioni di radiazioni laser invisibili durante la rimozione delle cartucce e del blocco. Evitare l'esposizione al raggio laser.

FARE - Usynlig laserstrålning når kassetene tas ut og sperren er satt ut av spill. Unngå eksponering for laserstrålen.

NIEBEZPIECZEŃSTWO - niewidzialne promieniowanie laserowe podczas usuwania kaset i blokady. Należy unikać naświetlenia promieniem lasera.

ОПАСНО! Невидимое лазерное излучение при извлеченных картриджах и снятии блокировки. Избегайте воздействия лазерных лучей.

Pozor - Nebezpečnostvo neviditeľného laserového žiarenia pri odobratých kazetách a odblokovanej poistke. Nevystavujte sa lúčom.

PELIGRO: Se producen radiaciones láser invisibles al extraer los cartuchos con el interbloqueo desactivado. Evite la exposición al haz de láser.

FARA - Osynlig laserstrålning när patroner tas ur och spärrmekanismen är upphävd. Undvik exponering för laserstrålen.

危険 - 当移除碳粉盒及互锁失效时会产生看不见的激光辐射, 请避免暴露在激光光束下。

危険 - 移除碳粉匣與安全連續開關失效時會產生看不見的雷射輻射。請避免暴露在雷射光束下。

危険 - カートリッジが取り外され、内部ロックが無効になると、見えないレーザー光が放射されます。このレーザー光に当たらないようにしてください。

## Power consumption

### Product power consumption

The following table documents the power consumption characteristics of the product.

**Note:** Some modes may not apply to your product.

Mode	Description	Power consumption (Watts)
Printing	The product is generating hard-copy output from electronic inputs.	870
Copy	The product is generating hard-copy output from hard-copy original documents.	1000
Scan	The product is scanning hard-copy documents.	110
Ready	The product is waiting for a print job.	75
Sleep Mode	The product is in a high-level energy-saving mode.	17
Hibernate	The product is in a low-level energy-saving mode.	0.75
Off	The product is plugged into a wall outlet, but the power switch is turned off.	0

The power consumption levels listed in the previous table represent time-averaged measurements. Instantaneous power draws may be substantially higher than the average.

Values are subject to change. See [www.lexmark.com](http://www.lexmark.com) for current values.

## Sleep Mode

This product is designed with an energy-saving mode called *Sleep Mode*. The Sleep Mode saves energy by lowering power consumption during extended periods of inactivity. The Sleep Mode is automatically engaged after this product is not used for a specified period of time, called the *Sleep Mode Timeout*.

Factory default Sleep Mode Timeout for this product (in minutes):	5 (XS795); 20 (all other printer models)
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By using the configuration menus, the Sleep Mode Timeout can be modified between 1 minute and 240 minutes. Setting the Sleep Mode Timeout to a low value reduces energy consumption, but may increase the response time of the product. Setting the Sleep Mode Timeout to a high value maintains a fast response, but uses more energy.

## Hibernate Mode

This product is designed with an ultra-low power operating mode called *Hibernate mode*. When operating in Hibernate Mode, all other systems and devices are powered down safely.

The Hibernate mode can be entered in any of the following methods:

- Using the Hibernate Timeout
- Using the Schedule Power modes
- Using the Sleep/Hibernate button

Factory default Hibernate Timeout for this product in all countries or regions	3 days
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The amount of time the printer waits after a job is printed before it enters Hibernate mode can be modified between one hour and one month.

## Off mode

If this product has an off mode which still consumes a small amount of power, then to completely stop product power consumption, disconnect the power supply cord from the electrical outlet.

## Total energy usage

It is sometimes helpful to calculate the total product energy usage. Since power consumption claims are provided in power units of Watts, the power consumption should be multiplied by the time the product spends in each mode in order to calculate energy usage. The total product energy usage is the sum of each mode's energy usage.

## Industry Canada compliance statement

This Class A digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Standard ICES-003.

## Avis de conformité aux normes de l'industrie du Canada

Cet appareil numérique de classe A est conforme aux exigences de la norme canadienne relative aux équipements pouvant causer des interférences NMB-003.

## European Community (EC) directives conformity

This product is in conformity with the protection requirements of EC Council directives 2004/108/EC, 2006/95/EC, and 2011/65/EU on the approximation and harmonization of the laws of the Member States relating to electromagnetic compatibility, safety of electrical equipment designed for use within certain voltage limits, and on the restrictions of use of certain hazardous substances in electrical and electronic equipment.

The manufacturer of this product is: Lexmark International, Inc., 740 West New Circle Road, Lexington, KY, 40550 USA. The authorized representative is: Lexmark International Technology Hungária Kft., 8 Lechner Ödön fasor, Millennium Tower III, 1095 Budapest HUNGARY, A declaration of conformity to the requirements of the Directives is available upon request from the Authorized Representative.

This product satisfies the Class A limits of EN 55022 and safety requirements of EN 60950-1.

## Radio interference notice

### Warning

This is a product that complies with the emission requirements of EN55022 Class A limits and immunity requirements of EN55024. This product is not intended to be used in residential/domestic environments.

This is a Class A product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

## Notice to users of the US telephone network: FCC requirements

This equipment complies with Part 68 of the FCC rules and the requirements adopted by the Administrative Council for Terminal Attachments (ACTA). On the back of this equipment is a label that contains, among other information, a product identifier in the format US:AAAEQ##TXXXX. If requested, this number must be provided to your telephone company.

This equipment uses the RJ-11C Universal Service Order Code (USOC) jack.

A plug and jack used to connect this equipment to the premises' wiring and telephone network must comply with the applicable FCC Part 68 rules and requirements adopted by the ACTA. A compliant telephone cord and modular plug is provided with this product. It is designed to be connected to a compatible modular jack that is also compliant. See your setup documentation for more information.

The Ringer Equivalence Number (REN) is used to determine the number of devices that may be connected to a telephone line. Excessive RENs on a telephone line may result in the devices not ringing in response to an incoming call. In most but not all areas, the sum of RENs should not exceed five (5.0). To be certain of the number of devices that may be connected to a line, as determined by the total RENs, contact your local telephone company. For products approved after July 23, 2001, the REN for this product is part of the product identifier that has the format US:AAAEQ##TXXXX. The digits represented by ## are the REN without a decimal point (for example, 03 is a REN of 0.3). For earlier products, the REN is shown separately on the label.

If this equipment causes harm to the telephone network, the telephone company will notify you in advance that temporary discontinuance of service may be required. If advance notice is not practical, the telephone company will notify the customer as soon as possible. You will also be advised of your right to file a complaint with the FCC.

The telephone company may make changes in its facilities, equipment, operations or procedures that could affect the operation of this equipment. If this happens, the telephone company will provide advance notice in order for you to make necessary modifications to maintain uninterrupted service.



If you experience trouble with this equipment, for repair or warranty information, contact Lexmark International, Inc. at [www.lexmark.com](http://www.lexmark.com) or your Lexmark representative. If the equipment is causing harm to the telephone network, the telephone company may request that you disconnect the equipment until the problem is resolved.

This equipment contains no user serviceable parts. For repair and warranty information, contact Lexmark International, Inc. See the previous paragraph for contact information.

Connection to party line service is subject to state tariffs. Contact the state public utility commission, public service commission, or corporation commission for information.

If your home has specially wired alarm equipment connected to the telephone line, ensure the installation of this equipment does not disable your alarm equipment. If you have questions about what will disable alarm equipment, consult your telephone company or a qualified installer.

Telephone companies report that electrical surges, typically lightning transients, are very destructive to customer terminal equipment connected to AC power sources. This has been identified as a major nationwide problem. It is recommended that the customer install an appropriate AC surge arrestor in the AC outlet to which this device is connected. An appropriate AC surge arrestor is defined as one that is suitably rated, and certified by UL (Underwriter's Laboratories), another NRTL (Nationally Recognized Testing Laboratory), or a recognized safety certification body in the country/region of use. This is to avoid damage to the equipment caused by local lightning strikes and other electrical surges.

The Telephone Consumer Protection Act of 1991 makes it unlawful for any person to use a computer or other electronic device, including fax machines, to send any message unless said message clearly contains in a margin at the top or bottom of each transmitted page or on the first page of the transmission, the date and time it is sent and an identification of the business or other entity, or other individual sending the message, and the telephone number of the sending machine or such business, other entity, or individual. (The telephone number provided may not be a 900 number or any other number for which charges exceed local or long-distance transmission charges.)

See your user documentation in order to program this information into your fax machine.

## Notice to users of the Canadian telephone network

This product meets the applicable Industry Canada technical specifications. The Ringer Equivalence Number (REN) is an indication of the maximum number of terminals allowed to be connected to a telephone interface. The terminus of an interface may consist of any combination of devices, subject only to the requirement that the sum of the RENs of all the devices does not exceed five. The modem REN is located on the rear of the equipment on the product labeling.

Telephone companies report that electrical surges, typically lightning transients, are very destructive to customer terminal equipment connected to AC power sources. This has been identified as a major nationwide problem. It is recommended that the customer install an appropriate AC surge arrestor in the AC outlet to which this device is connected. An appropriate AC surge arrestor is defined as one that is suitably rated, and certified by UL (Underwriter's Laboratories), another NRTL (Nationally Recognized Testing Laboratory), or a recognized safety certification body in the country/region of use. This is to avoid damage to the equipment caused by local lightning strikes and other electrical surges.

This equipment uses CA11A telephone jacks.

## Avis réservé aux utilisateurs du réseau téléphonique du Canada

Ce produit est conforme aux spécifications techniques d'Industrie Canada. Le numéro REN (ringer equivalence number : numéro d'équivalence de sonnerie) fournit une indication du nombre maximum de terminaux pouvant être connectés à l'interface téléphonique. En bout de ligne, le nombre d'appareils qui peuvent être connectés n'est pas directement limité, mais la somme des REN de ces appareils ne doit pas dépasser cinq. Le numéro REN du modem est indiqué sur l'étiquette produit située à l'arrière de l'équipement.

Les compagnies de téléphone constatent que les surtensions électriques, en particulier celles dues à la foudre, entraînent d'importants dégâts sur les terminaux privés connectés à des sources d'alimentation CA. Il s'agit-là d'un problème majeur d'échelle nationale. En conséquence, il vous est recommandé de brancher un parasurtenseur dans la prise de courant à laquelle l'équipement est connecté. Utilisez un parasurtenseur répondant à des caractéristiques nominales satisfaisantes et certifié par le laboratoire d'assureurs UL (Underwriter's Laboratories), un autre laboratoire agréé de type NRTL (Nationally Recognized Testing Laboratory) ou un organisme de certification agréé dans votre région ou pays. Ceci prévient tout endommagement de l'équipement causé par les orages et autres surtensions électriques.

Cet équipement utilise des prises de téléphone CA11A.

## Notice to users of the New Zealand telephone network

The following are special conditions for the Facsimile User Instructions. The grant of a telepermit for any item of terminal equipment indicates only that Telecom has accepted that the item complies with minimum conditions for connection to its network. It indicates no endorsement of the product by Telecom, nor does it provide any sort of warranty. Above all, it provides no assurance that any item will work correctly in all respects with another item of telepermitted equipment of a different make or model, nor does it imply that any product is compatible with all of Telecom's network services.

This equipment shall not be set up to make automatic calls to the Telecom's 111 Emergency Service.

This equipment may not provide for the effective hand-over of a call to another device connected to the same line.

This equipment should not be used under any circumstances that may constitute a nuisance to other Telecom customers.

Some parameters required for compliance with Telecom's telepermit requirements are dependent on the equipment associated with this device. The associated equipment shall be set to operate within the following limits for compliance to Telecom's specifications:

- There shall be no more than 10 call attempts to the same number within any 30 minute period for any single manual call initiation, and
- The equipment shall go on-hook for a period of not less than 30 seconds between the end of one attempt and the beginning of the next call attempt.
- The equipment shall be set to ensure that automatic calls to different numbers are spaced such that there is not less than 5 seconds between the end of one call attempt and the beginning of another.

## South Africa telecommunications notice

This modem must be used in conjunction with an approved surge protection device when connected to the PSTN.

## Using this product in Switzerland

This product requires a Swiss billing tone filter (Lexmark part number 14B5109 or 80D1877) to be installed on any line which receives metering pulses in Switzerland. The Lexmark filter must be used, as metering pulses are present on all analog telephone lines in Switzerland.

## Utilisation de ce produit en Suisse

Cet appareil nécessite l'utilisation d'un filtre de tonalité de facturation suisse (n° de référence Lexmark : 14B5109 ou 80D1877) devant être installé sur toute ligne recevant des impulsions de comptage en Suisse. Ce filtre doit être utilisé pour toute installation car ces impulsions existent sur toutes les lignes téléphoniques suisses.

## Verwendung dieses Produkts in der Schweiz

Für dieses Produkt muss ein schweizerischer Billing Tone Filter zur Zählzeichenübertragung (Lexmark Teilenummer 14B5109 oder 80D1877) für jede Leitung installiert werden, über die in der Schweiz Zeitsteuertakte übertragen werden. Die Verwendung des Lexmark Filters ist obligatorisch, da in allen analogen Telefonleitungen in der Schweiz Zeitsteuertakte vorhanden sind.

## Uso del prodotto in Svizzera

Questo prodotto richiede un filtro toni Billing svizzero, (codice Lexmark 14B5109 o 80D1877) da installare su tutte le linee che ricevono impulsi remoti in Svizzera. È necessario utilizzare il filtro Lexmark poiché gli impulsi remoti sono presenti su tutte le linee analogiche in Svizzera.

## Notice to Users in the European Union

Products bearing the CE mark are in conformity with the protection requirements of EC Council directives 2004/108/EC, 2006/95/EC, 1999/5/EC, and 2011/65/EU on the approximation and harmonization of the laws of the Member States relating to electromagnetic compatibility, safety of electrical equipment designed for use within certain voltage limits, radio equipment and telecommunications terminal equipment, and on the restrictions of use of certain hazardous substances in electrical and electronic equipment.

Compliance is indicated by the CE marking.



The manufacturer of this product is: Lexmark International, Inc., 740 West New Circle Road, Lexington, KY, 40550 USA. The authorized representative is: Lexmark International Technology Hungária Kft., 8 Lechner Ödön fasor, Millennium Tower III, 1095 Budapest HUNGARY. A declaration of conformity to the requirements of the Directives is available upon request from the Authorized Representative.

This product satisfies the Class A limits of EN 55022 and safety requirements of EN 60950-1.

Refer to the table at the end of the Notices section for further compliance information.

## Regulatory notices for wireless products

This section contains the following regulatory information pertaining to wireless products that contain transmitters, for example, but not limited to, wireless network cards or proximity card readers.

## Exposure to radio frequency radiation

The radiated output power of this device is far below the radio frequency exposure limits of the FCC and other regulatory agencies. A minimum separation of 20 cm (8 inches) must be maintained between the antenna and any persons for this device to satisfy the RF exposure requirements of the FCC and other regulatory agencies.

## Industry Canada (Canada)

This device complies with Industry Canada specification RSS-210. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

This device has been designed to operate only with the antenna provided. Use of any other antenna is strictly prohibited per regulations of Industry Canada.

To prevent radio interference to the licensed service, this device is intended to be operated indoors and away from windows to provide maximum shielding. Equipment (or its transmit antenna) that is installed outdoors is subject to licensing.

The installer of this radio equipment must ensure that the antenna is located or pointed such that it does not emit RF fields in excess of Health Canada limits for the general population; consult Safety Code 6, obtainable from Health Canada's Web site [www.hc-sc.gc.ca/rpb](http://www.hc-sc.gc.ca/rpb).

The term "IC:" before the certification/registration number only signifies that the Industry Canada technical specifications were met.

## Industry Canada (Canada)

Cet appareil est conforme à la norme RSS-210 d'Industry Canada. Son fonctionnement est soumis aux deux conditions suivantes :

(1) cet appareil ne doit pas provoquer d'interférences et (2) il doit accepter toute interférence reçue, y compris celles risquant d'altérer son fonctionnement.

Cet appareil a été conçu pour fonctionner uniquement avec l'antenne fournie. L'utilisation de toute autre antenne est strictement interdite par la réglementation d'Industry Canada.

En application des réglementations d'Industry Canada, l'utilisation d'une antenne de gain supérieur est strictement interdite.

Pour empêcher toute interférence radio au service faisant l'objet d'une licence, cet appareil doit être utilisé à l'intérieur et loin des fenêtres afin de garantir une protection optimale.

Si le matériel (ou son antenne d'émission) est installé à l'extérieur, il doit faire l'objet d'une licence.

L'installateur de cet équipement radio doit veiller à ce que l'antenne soit implantée et dirigée de manière à n'émettre aucun champ HF dépassant les limites fixées pour l'ensemble de la population par Santé Canada. Reportez-vous au Code de sécurité 6 que vous pouvez consulter sur le site Web de Santé Canada [www.hc-sc.gc.ca/rpb](http://www.hc-sc.gc.ca/rpb).

Le terme « IC » précédant le numéro de d'accréditation/inscription signifie simplement que le produit est conforme aux spécifications techniques d'Industry Canada.

## Notice to users in the European Union

Products bearing the CE mark are in conformity with the protection requirements of EC Council directives 2004/108/EC, 2006/95/EC, 1999/5/EC, and 2011/65/EU on the approximation and harmonization of the laws of the Member States relating to electromagnetic compatibility, safety of electrical equipment designed for use within certain voltage limits, radio equipment and telecommunications terminal equipment, and on the restrictions of use of certain hazardous substances in electrical and electronic equipment.

Compliance is indicated by the CE marking.



The manufacturer of this product is: Lexmark International, Inc., 740 West New Circle Road, Lexington, KY, 40550 USA. The authorized representative is: Lexmark International Technology Hungária Kft., 8 Lechner Ödön fasor, Millennium Tower III, 1095 Budapest HUNGARY, A declaration of conformity to the requirements of the Directives is available upon request from the Authorized Representative.

This product satisfies the Class A limits of EN 55022 and safety requirements of EN 60950-1.

Products equipped with 2.4GHz Wireless LAN option are in conformity with the protection requirements of EC Council directives 2004/108/EC, 2006/95/EC, and 1999/5/EC on the approximation and harmonization of the laws of the Member States relating to electromagnetic compatibility, safety of electrical equipment designed for use within certain voltage limits and on radio equipment and telecommunications terminal equipment.

Compliance is indicated by the CE marking.



Operation is allowed in all EU and EFTA countries, but is restricted to indoor use only.

The manufacturer of this product is: Lexmark International, Inc., 740 West New Circle Road, Lexington, KY, 40550 USA. The authorized representative is: Lexmark International Technology Hungária Kft., 8 Lechner Ödön fasor, Millennium Tower III, 1095 Budapest HUNGARY, A declaration of conformity to the requirements of the Directives is available upon request from the Authorized Representative.

This product may be used in the countries indicated in the table below.

AT	BE	BG	CH	CY	CZ	DE	DK	EE
EL	ES	FI	FR	HR	HU	IE	IS	IT
LI	LT	LU	LV	MT	NL	NO	PL	PT
RO	SE	SI	SK	TR	UK			

Česky	Společnost Lexmark International, Inc. tímto prohlašuje, že výrobek tento výrobek je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES.
Dansk	Lexmark International, Inc. erklærer herved, at dette produkt overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.
Deutsch	Hiermit erklärt Lexmark International, Inc., dass sich das Gerät dieses Gerät in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 1999/5/EG befindet.
Ελληνική	ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ Η LEXMARK INTERNATIONAL, INC. ΔΗΛΩΝΕΙ ΟΤΙ ΑΥΤΟ ΤΟ ΠΡΟΪΟΝ ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/ΕΚ.
English	Hereby, Lexmark International, Inc., declares that this type of equipment is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

Español	Por medio de la presente, Lexmark International, Inc. declara que este producto cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE.
Eesti	Käesolevaga kinnitab Lexmark International, Inc., et seade see toode vastab direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktiivist tulenevatele muudele asjakohastele sätetele.
Suomi	Lexmark International, Inc. vakuuttaa täten, että tämä tuote on direktiivin 1999/5/EY oleellisten vaatimusten ja muiden sitä koskevien direktiivin ehtojen mukainen.
Français	Par la présente, Lexmark International, Inc. déclare que l'appareil ce produit est conforme aux exigences fondamentales et autres dispositions pertinentes de la directive 1999/5/CE.
Magyar	Alulírott, Lexmark International, Inc. nyilatkozom, hogy a termék megfelel a vonatkozó alapvető követelményeknek és az 1999/5/EC irányelv egyéb előírásainak.
Íslenska	Hér með lýsir Lexmark International, Inc. yfir því að þessi vara er í samræmi við grunnkröfur og aðrar kröfur, sem gerðar eru í tilskipun 1999/5/EC.
Italiano	Con la presente Lexmark International, Inc. dichiara che questo prodotto è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.
Latviski	Ar šo Lexmark International, Inc. deklarē, ka šis izstrādājums atbilst Direktīvas 1999/5/EK būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.
Lietuvių	Šiuo Lexmark International, Inc. deklaruojama, kad šis produktas atitinka esminius reikalavimus ir kitas 1999/5/EB direktyvos nuostatas.
Malti	Bil-preżenti, Lexmark International, Inc., jiddikjara li dan il-prodott huwa konformi mal-htigijiet essenzjali u ma dispożizzjonijiet oħrajn relevanti li jinsabu fid-Direttiva 1999/5/KE.
Nederlands	Hierbij verklaart Lexmark International, Inc. dat het toestel dit product in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG.
Norsk	Lexmark International, Inc. erklærer herved at dette produktet er i samsvar med de grunnleggende krav og øvrige relevante krav i direktiv 1999/5/EF.
Polski	Niniejszym Lexmark International, Inc. oświadcza, że niniejszy produkt jest zgodny z zasadniczymi wymogami oraz pozostałymi stosownymi postanowieniami Dyrektywy 1999/5/EC.
Português	A Lexmark International Inc. declara que este produto está conforme com os requisitos essenciais e outras disposições da Diretiva 1999/5/CE.
Slovensky	Lexmark International, Inc. týmto vyhlasuje, že tento produkt spĺňa základné požiadavky a všetky príslušné ustanovenia smernice 1999/5/ES.
Slovensko	Lexmark International, Inc. izjavlja, da je ta izdelek v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 1999/5/ES.
Svenska	Härmed intygar Lexmark International, Inc. att denna produkt står i överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.

## STATEMENT OF LIMITED WARRANTY FOR LEXMARK LASER PRINTERS, LEXMARK LED PRINTERS, AND LEXMARK MULTIFUNCTION LASER PRINTERS

### Lexmark International, Inc., Lexington, KY

This limited warranty applies to the United States and Canada. For customers outside the U.S., refer to the country-specific warranty information that came with your product.

This limited warranty applies to this product only if it was originally purchased for your use, and not for resale, from Lexmark or a Lexmark Remarketer, referred to in this statement as “Remarketer.”

### **Limited warranty**

Lexmark warrants that this product:

- Is manufactured from new parts, or new and serviceable used parts, which perform like new parts
- Is, during normal use, free from defects in material and workmanship

If this product does not function as warranted during the warranty period, contact a Remarketer or Lexmark for repair or replacement (at Lexmark's option).

If this product is a feature or option, this statement applies only when that feature or option is used with the product for which it was intended. To obtain warranty service, you may be required to present the feature or option with the product.

If you transfer this product to another user, warranty service under the terms of this statement is available to that user for the remainder of the warranty period. You should transfer proof of original purchase and this statement to that user.

### **Limited warranty service**

The warranty period starts on the date of original purchase as shown on the purchase receipt and ends 12 months later provided that the warranty period for any supplies and for any maintenance items included with the printer shall end earlier if it, or its original contents, are substantially used up, depleted, or consumed. Fuser Units, Transfer/Transport Units, Paper Feed items, if any, and any other items for which a Maintenance Kit is available are substantially consumed when the printer displays a “Life Warning” or “Scheduled Maintenance” message for such item.

To obtain warranty service you may be required to present proof of original purchase. You may be required to deliver your product to the Remarketer or Lexmark, or ship it prepaid and suitably packaged to a Lexmark designated location. You are responsible for loss of, or damage to, a product in transit to the Remarketer or the Lexmark designated location.

When warranty service involves the exchange of a product or part, the item replaced becomes the property of the Remarketer or Lexmark. The replacement may be a new or repaired item.

The replacement item assumes the remaining warranty period of the original product.

Replacement is not available to you if the product you present for exchange is defaced, altered, in need of a repair not included in warranty service, damaged beyond repair, or if the product is not free of all legal obligations, restrictions, liens, and encumbrances.

As part of your warranty service and/or replacement, Lexmark may update the firmware in your printer to the latest version. Firmware updates may modify printer settings and cause counterfeit and/or unauthorized products, supplies, parts, materials (such as toners and inks), software, or interfaces to stop working. Authorized use of genuine Lexmark products will not be impacted.

Before you present this product for warranty service, remove all print cartridges, programs, data, and removable storage media (unless directed otherwise by Lexmark).

For further explanation of your warranty alternatives and the nearest Lexmark authorized servicer in your area contact Lexmark on the World Wide Web.

Remote technical support is provided for this product throughout its warranty period. For products no longer covered by a Lexmark warranty, technical support may not be available or only be available for a fee.

### Extent of limited warranty

Lexmark does not warrant uninterrupted or error-free operation of any product or the durability or longevity of prints produced by any product.

Warranty service does not include repair of failures caused by:

- Modification or unauthorized attachments
- Accidents, misuse, abuse or use inconsistent with Lexmark user's guides, manuals, instructions or guidance
- Unsuitable physical or operating environment
- Maintenance by anyone other than Lexmark or a Lexmark authorized servicer
- Operation of a product beyond the limit of its duty cycle
- Use of printing media outside of Lexmark specifications
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# Index

## Numerics

1565 Emulation error, load emulation option 260  
 2,000-sheet high-capacity feeder installing 43  
 200 paper jam 233  
 2000-sheet high-capacity feeder loading 64  
 201 paper jam 233  
 202–203 paper jams 234  
 230 paper jam 235  
 231–239 paper jams 236  
 24x paper jam 236  
 250 paper jam 237  
 280–289 paper jam 238  
 290–292 paper jams 239  
 31.xx Missing or Defective [color] cartridge 252  
 32.xx [color] cartridge part number unsupported by device 252  
 34 Incorrect paper size, open [src] 252  
 35 Insufficient memory to support Resource Save feature 252  
 37 Insufficient memory for Flash Memory Defragment operation 253  
 37 Insufficient memory to collate job 253  
 37 Insufficient memory, some Held Jobs were deleted 253  
 37 Insufficient memory, some held jobs will not be restored 253  
 38 Memory full 253  
 39 Complex page, some data may not have printed 253  
 40 [color] invalid refill, change cartridge 253  
 400–403 paper jams 239  
 431–438 paper jams 240  
 455 staple jam 240  
 460–461 paper jams 239  
 51 Defective flash detected 254  
 52 Not enough free space in flash memory for resources 254  
 53 Unformatted flash detected 254  
 54 Network [x] software error 254  
 54 Serial option [x] error 254

54 Standard network software error 254  
 55 Unsupported option in slot [x] 255  
 550-sheet tray installing 43  
 550-sheet tray (standard or optional) loading 61  
 56 Parallel port [x] disabled 255  
 56 Serial port [x] disabled 255  
 56 Standard parallel port disabled 255  
 56 Standard USB port disabled 255  
 56 USB port [x] disabled 255  
 57 Configuration change, some held jobs were not restored 256  
 58 Input config error 257  
 58 Too many bins attached 256  
 58 Too many disks installed 256  
 58 Too many flash options installed 256  
 58 Too many trays attached 256  
 59 Incompatible output bin [x] 257  
 61 Remove defective disk 257  
 62 Disk full 257  
 80.xx Fuser life warning 257  
 80.xx Fuser missing 258  
 80.xx Fuser near life warning 257  
 80.xx Replace fuser 258  
 82.xx Replace waste toner bottle 258  
 82.xx Waste toner bottle missing 258  
 82.xx Waste toner bottle nearly full 258  
 83.xx Replace transfer module 258  
 83.xx Transfer module life warning 258  
 83.xx Transfer module missing 258  
 840.01 Scanner disabled by admin 259  
 840.02 Scanner disabled. Contact system administrator if problem persists. 259  
 88.xx [Color] cartridge critically low 259  
 88.xx [color] cartridge low 259

88.xx [color] cartridge nearly low 258

## A

accessing the Embedded Web Server 20  
 accessing the system board 26  
 Active NIC menu 143  
 adding a date and time stamp 96  
 ADF  
   copying using 89  
 ADF kit  
   ordering 221  
 ADF parts  
   cleaning 216  
 adjusting brightness  
   Embedded Web Server 58  
   printer display 58  
 Adjusting color 243  
 adjusting copy quality 93  
 adjusting Sleep mode 57  
 adjusting toner darkness 80  
 administrator settings  
   Embedded Web Server 228  
 advanced options  
   copying 99  
   e-mailing 106  
   faxing 119  
   FTP 127  
 AppleTalk menu 148  
 assigning a custom paper type name 71  
 attaching cables 44  
 attaching the system board cover 26  
 available internal options 25  
 avoiding paper jams 231

## B

Bin Setup menu 141  
 black-and-white copying 91  
 black-and-white printing 80  
 blank pages 283  
 blocking junk faxes 116  
 buttons, printer control panel 13  
 buttons, touch screen  
   using 16

**C**

- cables
  - Ethernet 44
  - USB 44
- calling customer support 292
- canceling
  - print job, from computer 87
- canceling a print job
  - from a computer 87
  - from the printer control panel 87
- cannot open Embedded Web Server 292
- card stock
  - loading in multipurpose feeder 67
  - tips 85
- Change [paper source] to [custom string] 244
- Change [paper source] to [custom string] load [orientation] 244
- Change [paper source] to [custom type name] 243
- Change [paper source] to [custom type name] load [orientation] 244
- Change [paper source] to [paper size] [paper type] 244
- Change [paper source] to [paper size] [paper type] load [orientation] 244
- changing output file type
  - e-mailing 103
- checking an unresponsive printer 243
- checking an unresponsive scanner 266
- checking printer status
  - on Embedded Web Server 228
- checking printer status using the Embedded Web Server 228
- checking status of supplies 219
- checking the status of supplies 219
- checking the virtual display
  - using the Embedded Web Server 228
- checking virtual display
  - using the Embedded Web Server 228
- choosing a fax connection 109
- cleaning
  - ADF parts 216
  - exterior of the printer 215
  - scanner glass 215
  - cleaning kit
    - ordering 221
  - cleaning the printhead lenses 218
- Close [tray] door 245
- Close finisher side door 245
- Close finisher top cover 245
- Close front door 245
- Close left side door 245
- Close paper transport cover 244
- Close top access cover 245
- collating copies 94
- confidential print jobs 85
  - printing from a Macintosh computer 86
  - printing from Windows 86
- Confidential Print menu 158
- configuration information
  - wireless network 48
- configurations
  - printer 11
- Configure MP menu 133
- configuring e-mail settings 100
- configuring port settings 54
- connecting printer to distinctive ring service 111
- connecting the printer to
  - regional adapters 111
- conservation settings
  - brightness, adjusting 58
  - conserving supplies 55
  - Hibernate mode 57
  - Quiet Mode 56
  - Sleep Mode 57
  - standard exit bin lighting 58
- conserving supplies 55
- contacting customer support 292
- control panel, printer 13
- copy quality
  - adjusting 93
- copy screen
  - options 97, 98, 99, 125
- Copy Settings menu 168
- copy troubleshooting
  - copier does not respond 263
  - partial document or photo copies 265
  - poor copy quality 264
  - poor scanned image quality 267
  - scanner unit does not close 264
- copying
  - adding a date and time stamp 96
  - adding an overlay message 96
  - adjusting quality 93
  - advanced options 99
  - canceling a copy job 96, 97
  - collating copies 94
  - custom job (job build) 95
  - different paper sizes 92
  - enlarging 93
  - in black-and-white 91
  - multiple pages on one sheet 95
  - on both sides of the paper (duplexing) 92
  - on letterhead 90
  - on transparencies 90
  - photos 90
  - placing separator sheets between copies 94
  - quick copy 89
  - reducing 93
  - selecting a tray 91
  - to a different size 91
  - using the ADF 89
  - using the scanner glass (flatbed) 90
- copying different paper sizes 92
- copying multiple pages on one sheet 95
- copying on both sides of the paper (duplexing) 92
- copying on letterhead 90
- copying on transparencies 90
- copying photos 90
- corrupted printer hard disk 245
- creating a fax destination shortcut
  - using the Embedded Web Server 113
- creating an FTP shortcut
  - using the Embedded Web Server 121
- creating profiles
  - using the ScanBack Utility 124
- Custom Bin Names menu 140
- custom name
  - configuring 71
- Custom Names menu 139
- custom paper type name
  - creating 70
- Custom Scan Sizes menu 140
- Custom Type [x]
  - changing name 70
  - changing paper type 71
- Custom Types menu 139

**D**

- date and time, fax
  - setting 112
- daylight savings time, faxing 113
- Default Source menu 130
- different paper sizes, copying 92
- directory list
  - printing 87
- disk wiping 213
- display troubleshooting
  - display is blank 260
  - display shows only diamonds 260
- display, printer control panel 13
  - adjusting brightness 58
- disposing of printer hard disk 212
- distinctive ring service, fax
  - connecting to 111
- documents, printing
  - from Macintosh 80
  - from Windows 80
- duplexing 92

**E**

- Eco-Mode setting 56
- Edit Security Setups menu 156
- Embedded Web Server
  - accessing 20, 228
  - administrator settings 228
  - checking printer status 228
  - checking supplies 219
  - creating a fax destination
    - shortcut 113
  - creating an FTP shortcut 121
  - creating e-mail shortcuts 101
  - functions 228
  - initial fax setup 108
  - networking settings 228
  - problem accessing 292
  - setting up e-mail alerts 229
  - using 228
- Embedded Web Server — Security: Administrator's Guide
  - where to find 228
- emission
- notices 295, 296, 299, 300, 303, 304
- Empty the hole punch box 246
- encrypting the printer hard disk 214
- enlarging a copy 93

**envelopes**

- loading in multipurpose feeder 67
- tips on using 84

**environmental settings**

- conserving supplies 55
- display brightness, adjusting 58
- Hibernate mode 57
- Quiet Mode 56
- Sleep Mode 57
- standard exit bin lighting 58

- Erase Temporary Data Files menu 158

- erasing hard disk memory 213

- erasing non-volatile memory 213

- erasing volatile memory 212

**Ethernet network**

- preparing to set up for Ethernet
  - printing 48

- Ethernet port 44

**Ethernet setup**

- preparing for an 48

**exit bins**

- linking 70

**exporting a configuration**

- using the Embedded Web Server 21

- exporting a configuration using the Embedded Web Server 21

- exterior of the printer

- cleaning 215

**e-mail**

- canceling 103

**e-mail alerts**

- low supply levels 229

- paper jam 229

- setting up 229

**e-mail function**

- setting up 100

**e-mail options**

- Send As 105

**e-mail screen**

- advanced options 105

- options 104, 105

- E-mail Settings menu 183

- e-mail shortcuts, creating
  - using the Embedded Web Server 101

**e-mail, sending**

- using a shortcut number 102

- using the address book 102

- using the touch screen 102

**e-mailing**

- adding message line 103

- adding subject line 103

- advanced options 106

- configuring e-mail settings 100

- creating shortcuts using the

- Embedded Web Server 101

- creating shortcuts using the touch screen 101

- setting up e-mail function 100

- using a shortcut number 102

- using the address book 102

- using the touch screen 102

**F****factory defaults**

- restoring 229

- FAQ about color printing 289

**fax and e-mail functions**

- setting up 268

- fax and e-mail functions are not set up 268

**fax connection**

- connecting the printer to the wall jack 109

- connecting to a DSL line 110

- connecting to a PBX or ISDN 110

**fax connections**

- regional adapters 111

**fax log**

- viewing 116

- Fax Mode (Analog Fax Setup)

- menu 173

- Fax Mode (Fax Server Setup)

- menu 181

- Fax partition inoperative. Contact system administrator. 246

**fax screen**

- advanced options 118

- options 117, 118, 119

- Fax server 'To Format' not set up.

- Contact system administrator. 246

- Fax Station Name not set up 246

- Fax Station Number not set up 246

**fax troubleshooting**

- caller ID is not shown 268

- can receive but not send

- faxes 271

- can send but not receive

- faxes 270

- cannot send or receive a fax 269

- received fax has poor print quality 271
- faxing
  - advanced options 119
  - blocking junk faxes 116
  - canceling a fax job 117
  - changing resolution 115
  - choosing a fax connection 109
  - configuring the printer to observe daylight saving time 113
  - creating shortcuts using the Embedded Web Server 113
  - creating shortcuts using the touch screen 113
  - distinctive ring service 111
  - fax setup 108
  - forwarding faxes 120
  - holding faxes 119
  - making a fax lighter or darker 116
  - sending a fax 114
  - sending a fax at a scheduled time 116
  - sending using the touch screen 114
  - setting the date and time 112
  - setting the fax number or station number 112
  - setting the outgoing fax name or station name 112
  - viewing a fax log 116
- FCC notices 295, 300, 303
- finding more information about the printer 9
- finding printer IP address 20
- finisher
  - finishing features 77
  - supported paper sizes 77
- finisher features 77
- Finishing menu 201
- firmware card
  - installing 32
- flash drive
  - printing from 81
- Flash Drive menu 192
- flash drives
  - supported file types 82
- flash memory card
  - installing 32
  - troubleshooting 274
- font sample list
  - printing 87
- Forms and Favorites
  - setting up 22
- forwarding faxes 120
- FTP
  - advanced options 127
  - scanning using address book 122
- FTP address
  - creating shortcuts using the touch screen 122
- FTP screen
  - options 125, 126
- FTP Settings menu 188
- fuser or transfer module
  - ordering 220
- G**
- General Settings menu 161
- Green settings
  - Eco-Mode 56
  - Quiet Mode 56
- green settings
  - Hibernate mode 57
- H**
- held jobs 85
  - printing from a Macintosh computer 86
  - printing from Windows 86
- Help menu 210
- Hibernate mode
  - using 57
- hiding icons on the home screen 20
- holding faxes 119
- home screen
  - hiding icons 20
  - showing icons 20
- home screen buttons and icons
  - description 15
- HTML menu 209
- I**
- Image menu 210
- importing a configuration
  - using the Embedded Web Server 21
- importing a configuration using the Embedded Web Server 21
- initial fax setup 108
  - using the Embedded Web Server 108
- Insert hole punch box 247
- Insert staple cartridge 247
- Install bin [x] 247
- Install envelope feeder 247
- Install Tray [x] 247
- installing a memory card 30
- installing an Internal Solutions Port 33
- installing on a wireless network
  - using Windows 49
- installing options
  - order of installation 43
- installing printer
  - on wireless network 49
- installing printer hard disk 38
- installing printer on a wireless network
  - using Macintosh 51
- installing printer software
  - adding options 47
- installing printer software (Windows) 46
- installing the 2,000-sheet high-capacity feeder 43
- installing the 550-sheet tray 43
- internal print server
  - troubleshooting 275
- Internal Solutions Port
  - changing port settings 54
  - installing 33
  - troubleshooting 274
- IP address, printer
  - finding 20
- IPv6 menu 146
- J**
- jams
  - avoiding 231
  - locating jam areas 231
  - locations 231
  - numbers 231
- jams, clearing
  - 200 paper jam 233
  - 201 paper jam 233
  - 202–203 paper jams 234
  - 230 paper jam 235
  - 231–239 paper jams 236
  - 24x paper jam 236
  - 250 paper jam 237
  - 280–289 paper jam 238
  - 280–299 216
  - 290–292 paper jams 239
  - 400–403 paper jams 239

431–438 paper jams 240  
455 staple jam 240  
460–461 paper jams 239  
Job Accounting menu 199

## L

labels, paper  
tips 84  
letterhead  
copying on 90  
loading, 2000-sheet high-capacity feeder 64  
loading, multipurpose feeder 83  
loading, trays 83  
letterhead printing 83  
light colored line, white line, or incorrectly colored line appears on prints 279  
light, indicator 13  
linking  
exit bins 70  
linking exit bins 70  
linking trays 69  
Load Manual Feeder with [custom string] 249  
Load Manual Feeder with [custom type name] 249  
Load Manual Feeder with [paper size] 249  
Load Manual Feeder with [paper type] [paper size] 249  
Load staples 249  
loading  
2000-sheet high-capacity feeder 64  
550-sheet tray (standard or optional) 61  
letterhead in 2000-sheet high-capacity feeder 64  
letterhead in multipurpose feeder 83  
multipurpose feeder 67  
loading card stock  
in multipurpose feeder 67  
loading envelopes  
in multipurpose feeder 67  
loading the multipurpose feeder 67  
loading the standard tray 61  
loading transparencies  
in multipurpose feeder 67  
lock, security 26

## M

making copies using paper from selected tray 91  
memory  
types installed on printer 212  
memory card  
installing 30  
troubleshooting 275  
Memory full, cannot print  
faxes 249  
menu settings page  
printing 46  
menus  
Active NIC 143  
AppleTalk 148  
Bin Setup 141  
Confidential Print 158  
Configure MP 133  
Copy Settings 168  
Custom Bin Names 140  
Custom Names 139  
Custom Scan Sizes 140  
Custom Types 139  
Default Source 130  
diagram of 128  
Edit Security Setups 156  
Erase Temporary Data Files 158  
E-mail Settings 183  
Fax Mode (Analog Fax Setup) 173  
Fax Mode (Fax Server Setup) 181  
Finishing 201  
Flash Drive 192  
FTP Settings 188  
General Settings 161  
Help 210  
HTML 209  
Image 210  
IPv6 146  
Job Accounting 199  
Miscellaneous 157  
Network [x] 143  
Network Card 145  
Network Reports 145  
OCR Settings 197  
Paper Loading 137  
Paper Size/Type 130  
Paper Texture 134  
Paper Weight 136  
Parallel [x] 150  
PCL Emul 207  
PDF 206

PostScript 206  
Quality 203  
Reports 141  
Security Audit Log 159  
Serial [x] 152  
Set Date/Time 160  
Setup 198  
SMTP Setup menu 155  
Standard Network 143  
Standard USB 149  
Substitute Size 134  
Supplies 129  
TCP/IP 145  
Universal Setup 140  
Utilities 205  
Wireless 147  
XPS 206  
menus diagram 128  
Miscellaneous menu 157  
mobile device  
printing from 81  
moving the printer 226, 227  
moving your printer 10  
multipurpose feeder  
loading 67  
My MFP  
setting up 23

## N

Network [x] menu 143  
Network Card menu 145  
network options 25  
Network Reports menu 145  
network settings  
Embedded Web Server 228  
network setup page  
printing 46  
Networking Guide  
where to find 228  
noise emission levels 296  
non-volatile memory 212  
erasing 213  
notices 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305

## O

OCR Settings menu 197  
options  
2,000-sheet high-capacity feeder, installing 43  
550-sheet tray, installing 43

- fax card 25
- firmware card 32
- firmware cards 25
- flash memory card 32
- Internal Solutions Port,  
installing 33
- memory card, installing 30
- memory cards 25
- network 25
- order of installation 43
- ports 25
- printer hard disk, installing 38
- printer hard disk, removing 41
- updating in printer driver 47
- options, touch-screen
  - copy 97, 98, 99, 125
  - e-mail 104, 105
  - fax 117, 118, 119
  - FTP 125, 126
- ordering
  - cleaning kit 221
  - fuser or transfer module 220
  - print cartridges 220
  - staple cartridges 221
  - waste toner bottle 220
- ordering a print cartridge 220
- output file type
  - changing 103
  - scan image 125

## P

- paper
  - characteristics 72
  - different sizes, copying 92
  - letterhead 73
  - preprinted forms 73
  - recycled 73
  - saving 95
  - selecting 73
  - storing 75
  - unacceptable 73
  - Universal size setting 61
  - using recycled 55
- paper feed troubleshooting
  - message remains after jam is  
cleared 276
- paper jams
  - avoiding 231
- paper jams, clearing
  - 200 paper jam 233
  - 201 paper jam 233
  - 202–203 paper jams 234
  - 230 paper jam 235
  - 231–239 paper jams 236
  - 24x paper jam 236
  - 250 paper jam 237
  - 280–289 paper jam 238
  - 280–299 216
  - 290–292 paper jams 239
  - 400–403 paper jams 239
  - 431–438 paper jams 240
  - 460–461 paper jams 239
- Paper Loading menu 137
- paper size
  - setting 61
  - Universal 140
- Paper Size/Type menu 130
- paper sizes
  - supported by printer 75
- Paper Texture menu 134
- paper type
  - setting 61
- paper types
  - duplex support 76
  - supported by printer 76
  - where to load 76
- Paper Weight menu 136
- Parallel [x] menu 150
- PCL Emul menu 207
- PDF menu 206
- photos
  - copying 90
- placing separator sheets between  
copies 94
- port settings
  - configuring 54
- PostScript menu 206
- preparing to set up the printer on  
an Ethernet network 48
- print cartridge
  - replacing 222
- print cartridges
  - ordering 220
- print irregularities 280
- print job
  - canceling, from computer 87
- print quality
  - cleaning the ADF parts 216
  - cleaning the printhead lenses 218
  - cleaning the scanner glass 215
- print quality troubleshooting
  - black streaks on a page 285
  - blank pages 283
  - characters have jagged edges 277

- clipped images 277
- fine horizontal lines 277
- gray background on prints 278
- light colored line, white line, or  
incorrectly colored line appears  
on prints 279
- poor transparency quality 288
- print irregularities 280
- print is too dark 281
- print is too light 282
- repeating print defects 283
- shadow images appear on  
prints 278
- skewed print 284
- solid color or black pages appear  
on prints 284
- streaked horizontal lines appear  
on prints 285
- streaked vertical lines 286
- toner fog or background  
shading 286
- toner rubs off 287
- toner specks 288
- uneven print density 288
- white streaks on a page 285
- print troubleshooting
  - error reading flash drive 260
  - held jobs do not print 261
  - incorrect characters print 262
  - incorrect margins 279
  - jammed pages are not  
reprinted 276
  - job prints from wrong tray 262
  - job prints on wrong paper 262
  - jobs do not print 260
  - Large jobs do not collate 263
  - multiple-language PDF files do not  
print 260
  - paper curl 280
  - paper frequently jams 276
  - print job takes longer than  
expected 262
  - tray linking does not work 262
  - unexpected page breaks  
occur 263
- printer
  - configurations 11
  - finishing features 77
  - minimum clearances 10
  - moving 10, 226, 227
  - selecting a location 10
  - shipping 227

- printer configurations 11
- printer control panel 13
  - factory defaults, restoring 229
- printer hard disk
  - disposing of 212
  - encrypting 214
  - installing 38
  - removing 41
  - troubleshooting 274
  - wiping 213
- printer hard disk encryption 214
- printer hard disk memory
  - erasing 213
- printer information
  - where to find 9
- printer IP address
  - finding 20
- printer messages
  - 1565 Emulation error, load emulation option 260
  - 31.xx Missing or Defective [color] cartridge 252
  - 32.xx [color] cartridge part number unsupported by device 252
  - 34 Incorrect paper size, open [src] 252
  - 35 Insufficient memory to support Resource Save feature 252
  - 37 Insufficient memory for Flash Memory Defragment operation 253
  - 37 Insufficient memory to collate job 253
  - 37 Insufficient memory, some Held Jobs were deleted 253
  - 37 Insufficient memory, some held jobs will not be restored 253
  - 38 Memory full 253
  - 39 Complex page, some data may not have printed 253
  - 40 [color] invalid refill, change cartridge 253
  - 51 Defective flash detected 254
  - 52 Not enough free space in flash memory for resources 254
  - 53 Unformatted flash detected 254
  - 54 Network [x] software error 254
  - 54 Serial option [x] error 254
  - 54 Standard network software error 254
  - 55 Unsupported option in slot [x] 255
  - 56 Parallel port [x] disabled 255
  - 56 Serial port [x] disabled 255
  - 56 Standard parallel port disabled 255
  - 56 Standard USB port disabled 255
  - 56 USB port [x] disabled 255
  - 57 Configuration change, some held jobs were not restored 256
  - 58 Input config error 257
  - 58 Too many bins attached 256
  - 58 Too many disks installed 256
  - 58 Too many flash options installed 256
  - 58 Too many trays attached 256
  - 59 Incompatible output bin [x] 257
  - 61 Remove defective disk 257
  - 62 Disk full 257
  - 80.xx Fuser life warning 257
  - 80.xx Fuser missing 258
  - 80.xx Fuser near life warning 257
  - 80.xx Replace fuser 258
  - 82.xx Replace waste toner bottle 258
  - 82.xx Waste toner bottle missing 258
  - 82.xx Waste toner bottle nearly full 258
  - 83.xx Replace transfer module 258
  - 83.xx Transfer module life warning 258
  - 83.xx Transfer module missing 258
  - 840.01 Scanner disabled by admin 259
  - 840.02 Scanner disabled. Contact system administrator if problem persists. 259
  - 88.xx [Color] cartridge critically low 259
  - 88.xx [color] cartridge low 259
  - 88.xx [color] cartridge nearly low 258
- Adjusting color 243
- an error has occurred with the USB drive 243
- Change [paper source] to [custom string] 244
- Change [paper source] to [custom string] load [orientation] 244
- Change [paper source] to [custom type name] 243
- Change [paper source] to [custom type name] load [orientation] 244
- Change [paper source] to [paper size] [paper type] 244
- Change [paper source] to [paper size] [paper type] load [orientation] 244
- Close [tray] door 245
- Close finisher side door 245
- Close finisher top cover 245
- Close front door 245
- Close left side door 245
- Close paper transport cover 244
- Close top access cover 245
- Disk corrupted 245
- Disk near full. Securely clearing disk space. 245
- Disk problem 245
- Empty the hole punch box 246
- Fax partition inoperative. Contact system administrator. 246
- Fax server 'To Format' not set up. Contact system administrator. 246
- Fax Station Name not set up 246
- Fax Station Number not set up 246
- Insert hole punch box 247
- Insert staple cartridge 247
- Insert Tray [x] 247
- Install bin [x] 247
- Install envelope feeder 247
- Install Tray [x] 247
- Load [src] with [custom string] 248
- Load [src] with [custom type name] 248
- Load [src] with [size] 248
- Load [src] with [type] [size] 248
- Load Manual Feeder with [custom string] 249
- Load Manual Feeder with [custom type name] 249
- Load Manual Feeder with [paper size] 249
- Load Manual Feeder with [paper type] [paper size] 249



- Load staples 249
- Memory full, cannot print
  - faxes 249
- Reattach bin [x] 250
- Reattach bin [x] – [y] 250
- Remove packaging material, [area name] 251
- Remove paper from [linked set bin name] 251
- Remove paper from all bins 251
- Remove paper from bin [x] 251
- Remove paper from standard output bin 251
- Restore held jobs? 251
- Scanner automatic feeder cover open 251
- Slide finisher to the left 251
- Some held jobs were not restored 251
- Supply needed to complete job 251
- Tray [x] paper size
  - unsupported 252
- Unsupported disk 252
- Unsupported USB device, please remove 246
- printer options troubleshooting
  - 2,000-sheet drawer problems 274
  - cannot detect flash memory card 274
  - cannot detect printer hard disk 274
  - internal print server 275
  - Internal Solutions Port 274
  - memory card 275
  - option does not work 273
  - paper tray problems 273
  - USB/parallel interface card 275
- printer problems, solving basic 243
- printer software, installing (Windows) 46
- printhead lenses
  - cleaning 218
- printing
  - black-and-white 80
  - canceling, from the printer control panel 87
  - directory list 87
  - font sample list 87
  - from a mobile device 81
  - from flash drive 81
  - from Macintosh 80

- from Windows 80
- menu settings page 46
- network setup page 46
- on letterhead 83
- printing a directory list 87
- printing a document 80
- printing a font sample list 87
- printing a menu settings page 46
- printing a network setup page 46
- printing confidential and other held jobs
  - from a Macintosh computer 86
  - from Windows 86
- printing from a flash drive 81
- printing from a mobile device 81
- printing in black and white 80
- printing on letterhead 83
- publications
  - where to find 9

## Q

- Quality menu 203
- Quiet Mode
  - print quality troubleshooting 277

## R

- Reattach bin [x] 250
- Reattach bin [x] – [y] 250
- reattaching the system board cover 26
- recycled paper
  - using 55, 73
- recycling
  - Lexmark packaging 59
  - Lexmark products 59
  - toner cartridges 59
- reducing a copy 93
- reducing printer noise 56
- Remote Operator Panel
  - setting up 23
- Remove packaging material, [area name] 251
- Remove paper from [linked set bin name] 251
- Remove paper from all bins 251
- Remove paper from bin [x] 251
- Remove paper from standard output bin 251
- removing printer hard disk 41

- repeat print jobs 85
  - printing from a Macintosh computer 86
  - printing from Windows 86
- repeating print defects 283
- replacing a print cartridge 222
- replacing the waste toner bottle 225
- reports
  - viewing 229
- Reports menu 141
- reserve print jobs 85
  - printing from a Macintosh computer 86
  - printing from Windows 86
- resolution, fax
  - changing 115
- Restore held jobs? 251
- restoring factory default settings 229

## S

- safety information 7, 8
- saving paper 95
- scan image
  - output file type 125
- scan options
  - Send As 125
- Scan to Network
  - setting up 22
- scan troubleshooting
  - cannot scan from a computer 268
  - partial document or photo scans 267
  - scan was not successful 266
  - scanner unit does not close 264
  - scanning takes too long or freezes the computer 266
- ScanBack Utility
  - using 124
- scanner
  - Automatic Document Feeder (ADF) 12
  - functions 12
  - scanner glass 12
- Scanner automatic feeder cover open 251
- scanner glass
  - cleaning 215
- scanner glass (flatbed)
  - copying using 90

- scanning
    - from a flash drive 124
    - quick copy 89
    - to a computer 123
    - to an FTP address 122
    - to an FTP, using address book 122
  - scanning to a computer 123
  - scanning to a flash drive 124
  - scanning to an FTP address
    - creating shortcuts using the computer 121
    - using shortcut numbers 122
    - using the address book 122
    - using the touch screen 122
  - Security Audit Log menu 159
  - security lock 26
  - Send As
    - e-mail options 105
    - scan options 125
  - sending a fax 114
  - sending a fax using shortcuts 115
  - sending a fax using the touch screen 114
  - sending fax
    - using shortcuts 115
  - sending fax at a scheduled time 116
  - Serial [x] menu 152
  - serial printing
    - setting up 54
  - Set Date/Time menu 160
  - setting
    - TCP/IP address 145
  - setting the fax number or station number 112
  - setting the outgoing fax name or station name 112
  - setting the paper size 61
  - setting the paper type 61
  - setting the Universal paper size 61
  - setting up e-mail alerts using the Embedded Web Server 229
  - setting up fax and e-mail functions 268
  - setting up serial printing 54
  - Setup menu 198
  - shadow images appear on prints 278
  - shipping the printer 227
  - shortcuts, creating
    - e-mail 101
    - fax destination 113
    - FTP address 122
    - FTP destination 121
  - showing icons on the home screen 20
  - Sleep Mode
    - adjusting 57
  - Slide finisher to the left 251
  - SMTP Setup menu 155
  - solid color or black pages appear on prints 284
  - Some held jobs were not restored 251
  - standard exit bin
    - lighting, setting 58
  - Standard Network menu 143
  - standard tray
    - loading 61
  - Standard USB menu 149
  - staple cartridges
    - ordering 221
  - staple jam, clearing
    - 455 staple jam 240
  - statement of volatility 212
  - status of supplies
    - checking 219
  - storing
    - paper 75
    - supplies 219
  - storing print jobs 85
  - streaked horizontal lines appear on prints 285
  - streaks appear on a page 285
  - subject and message information
    - adding to e-mail 103
  - Substitute Size menu 134
  - supplies
    - checking status 219
    - checking, from printer control panel 219
    - checking, using the Embedded Web Server 219
    - conserving 55
    - storing 219
    - using recycled paper 55
  - Supplies menu 129
  - supplies, ordering
    - ADF kit 221
    - cleaning kit 221
    - fuser or transfer module 220
    - print cartridges 220
    - staple cartridges 221
    - waste toner bottle 220
  - Supply needed to complete job 251
  - supported flash drives 82
  - supported paper sizes 75
  - supported paper types and weights 76
  - system board
    - accessing 26
  - system board cover
    - attaching 26
    - reattaching 26
- T**
- TCP/IP menu 145
  - telecommunication notices 300, 301, 302
  - tips
    - card stock 85
    - labels, paper 84
    - on using envelopes 84
    - on using letterhead 83
    - on using transparencies 83
  - tips on using envelopes 84
  - tips on using letterhead 83
  - toner cartridges
    - recycling 59
  - toner darkness
    - adjusting 80
  - touch screen
    - buttons 16
  - transparencies
    - copying on 90
    - loading 83
    - loading in multipurpose feeder 67
    - tips on using 83
    - using 83
  - Tray [x] paper size unsupported 252
  - tray linking
    - assigning a custom paper type name 71
  - tray unlinking
    - assigning a custom paper type name 71
  - trays
    - linking 69
    - unlinking 70
  - troubleshooting
    - an application error has occurred 272
    - cannot open Embedded Web Server 292

- checking an unresponsive printer 243
- checking an unresponsive scanner 266
- contacting customer support 292
- FAQ about color printing 289
- fax and e-mail functions are not set up 268
- Scan to Network 272
- solving basic printer problems 243
- troubleshooting, copy
  - copier does not respond 263
  - partial document or photo copies 265
  - poor copy quality 264
  - poor scanned image quality 267
  - scanner unit does not close 264
- troubleshooting, display
  - display is blank 260
  - display shows only diamonds 260
- troubleshooting, fax
  - caller ID is not shown 268
  - can receive but not send faxes 271
  - can send but not receive faxes 270
  - cannot send or receive a fax 269
  - received fax has poor print quality 271
- troubleshooting, paper feed
  - message remains after jam is cleared 276
- troubleshooting, print
  - error reading flash drive 260
  - held jobs do not print 261
  - incorrect characters print 262
  - incorrect margins 279
  - jammed pages are not reprinted 276
  - job prints from wrong tray 262
  - job prints on wrong paper 262
  - jobs do not print 260
  - Large jobs do not collate 263
  - multiple-language PDF files do not print 260
  - paper curl 280
  - paper frequently jams 276
  - print job takes longer than expected 262
  - tray linking does not work 262

- unexpected page breaks occur 263
- troubleshooting, print quality
  - black streaks on a page 285
  - blank pages 283
  - characters have jagged edges 277
  - clipped images 277
  - fine horizontal lines 277
  - gray background on prints 278
  - light colored line, white line, or incorrectly colored line appears on prints 279
  - poor transparency quality 288
  - print irregularities 280
  - print is too dark 281
  - print is too light 282
  - repeating print defects 283
  - shadow images appear on prints 278
  - skewed print 284
  - solid color or black pages appear on prints 284
  - streaked horizontal lines appear on prints 285
  - streaked vertical lines 286
  - toner fog or background shading 286
  - toner rubs off 287
  - toner specks 288
  - uneven print density 288
  - white streaks on a page 285
- troubleshooting, printer options
  - 2,000-sheet drawer problems 274
  - cannot detect flash memory card 274
  - cannot detect printer hard disk 274
  - internal print server 275
  - Internal Solutions Port 274
  - memory card 275
  - option does not work 273
  - paper tray problems 273
  - USB/parallel interface card 275
- troubleshooting, scan
  - cannot scan from a computer 268
  - partial document or photo scans 267
  - scan was not successful 266
  - scanner unit does not close 264
  - scanning takes too long or freezes the computer 266

## U

- understanding the home screen buttons and icons 15
- uneven print density 288
- Universal Paper Size
  - setting 61
- Universal paper size 140
- Universal Setup menu 140
- unlinking trays 70
- Unsupported USB device, please remove 246
- updating options in printer driver 47
- USB port 44
- USB/parallel interface card
  - troubleshooting 275
- using Eco-Mode 56
- using Hibernate mode 57
- using Quiet Mode 56
- using recycled paper 55
- using shortcuts
  - sending fax 115
- using the address book 102
- using the Embedded Web Server 228
- using the ScanBack Utility 124
- using the touch-screen buttons 16
- Utilities menu 205

## V

- verify print jobs 85
  - printing from a Macintosh computer 86
  - printing from Windows 86
- viewing
  - reports 229
- viewing a fax log 116
- virtual display
  - checking, using Embedded Web Server 228
- volatile memory 212
  - erasing 212
- volatility
  - statement of 212

## W

- waste toner bottle
  - ordering 220
  - replacing 225
- wiping the printer hard disk 213
- Wireless menu 147

- wireless network
  - configuration information 48
  - installation, using Macintosh 51
  - installation, using Windows 49
- wireless network setup
  - in Windows 49
- wireless printer setup
  - in Macintosh 51
- WS-Scan
  - about 23

## **X**

- XPS menu 206