## Contents

### Safety information.........................................................................................................................10

### Learning about the printer................................................................................................................12
- Finding information about the printer.................................................................................................12
- Selecting a location for the printer........................................................................................................13
- Printer configurations............................................................................................................................15
- Basic functions of the scanner...............................................................................................................15
- Understanding the ADF and scanner glass............................................................................................16
- Understanding the printer control panel................................................................................................16

### Additional printer setup.....................................................................................................................22
- Installing internal options.....................................................................................................................22
  - Available options ...............................................................................................................................22
  - Installing a memory card....................................................................................................................22
  - Installing a flash memory or font card............................................................................................26
- Installing hardware options..................................................................................................................29
  - Installing an optional tray or drawer...............................................................................................29
- Attaching cables.....................................................................................................................................31
- Verifying printer setup..........................................................................................................................32
  - Printing menu settings pages............................................................................................................33
  - Printing a network setup page............................................................................................................33
- Setting up the printer software..............................................................................................................33
  - Installing printer software ................................................................................................................33
  - Updating available options in the printer driver.............................................................................34
- Setting up wireless printing..................................................................................................................34
  - Information you will need to set up the printer on a wireless network..........................................34
  - Installing the printer on a wireless network (Windows)..................................................................35
  - Installing the printer on a wireless network (Macintosh)...............................................................37
  - Installing the printer on a wired network.........................................................................................39

### Minimizing your printer's environmental impact..............................................................................42
- Saving paper and toner..........................................................................................................................42
  - Using recycled paper and other office papers................................................................................42
  - Conserving supplies..........................................................................................................................43
- Saving energy..........................................................................................................................................44
  - Using Eco-Mode................................................................................................................................44
  - Reducing printer noise........................................................................................................................44
  - Adjusting Power Saver......................................................................................................................45
Recycling.......................................................................................................................... 46
  Recycling Lexmark products ................................................................................................. 46
  Recycling Lexmark packaging ............................................................................................. 46
  Returning Lexmark cartridges for reuse or recycling .......................................................... 46

**Loading paper and specialty media** ................................................................................. 47
  Linking and unlinking trays ................................................................................................ 47
    Linking trays ........................................................................................................................ 47
    Unlinking trays .................................................................................................................... 47
    Assigning a Custom Type name ........................................................................................ 47
  Setting the Paper Size and Paper Type ............................................................................. 48
  Configuring Universal paper settings ................................................................................ 48
  Loading the standard 250-sheet tray and optional 550-sheet tray ...................................... 49
  Loading the 650-sheet duo drawer ..................................................................................... 52
  Using the multipurpose feeder ............................................................................................ 53
  Using the manual feeder ...................................................................................................... 55

**Paper and specialty media guide** .................................................................................. 57
  Paper guidelines .................................................................................................................. 57
    Paper characteristics ......................................................................................................... 57
    Unacceptable paper .......................................................................................................... 58
    Selecting paper ................................................................................................................. 58
    Selecting preprinted forms and letterhead ...................................................................... 58
  Storing paper ...................................................................................................................... 59
  Supported paper sizes, types, and weights .......................................................................... 59
    Paper sizes supported by the printer ................................................................................ 59
    Paper types supported by the printer ............................................................................... 61
    Paper types and weights supported by the printer ........................................................... 61
    Paper capacities .............................................................................................................. 63

**Printing** .......................................................................................................................... 64
  Printing a document .......................................................................................................... 64
  Printing on specialty media ............................................................................................... 65
    Tips on using letterhead .................................................................................................. 65
    Tips on using transparencies ......................................................................................... 66
    Tips on using envelopes .................................................................................................. 67
    Tips on using paper labels ............................................................................................. 67
    Tips on using card stock ................................................................................................. 68
  Printing from a flash drive .................................................................................................. 69
  Supported flash drives and file types ................................................................................ 70
  Printing photos from a PictBridge-enabled digital camera ............................................... 70
Faxing

Sending a fax

Creating shortcuts

Using shortcuts and the address book

Customizing fax settings

Canceling an outgoing fax

Understanding fax options

Improving fax quality

Forwarding a fax

Scanning to an FTP address

Scanning to an FTP address using the keypad
### Scanning to a Computer or USB Flash Memory Device

- Scanning to a computer
- Scanning to a USB flash memory device
- Understanding scan to computer options
  - Sides (Duplex)
  - Darkness
- Improving scan quality
- Using the Scan Center software
  - Understanding the Scan Center features
- Using the ScanBack utility
  - Using the ScanBack Utility

### Clearing Jams

- Avoiding jams
- Understanding jam numbers and locations
  - 200 paper jam
  - 201 paper jam
  - 202 paper jam
  - 230 paper jam
  - 235 paper jam
  - 242 and 243 paper jams
  - 250 paper jam
  - 290 paper jam

### Understanding Printer Menus

- Menus list
- Supplies menu
- Paper menu
  - Default Source menu
  - Size/Type menu
  - Paper Texture menu
  - Paper Weight menu
  - Paper Loading menu
  - Custom Types menu
  - Custom Scan Sizes menu
  - Universal Setup menu
- Reports menu
Understanding printer messages ................................................................. 163

Maintaining the printer .................................................................................. 178

Replacing supplies .......................................................................................... 181

Cleaning the exterior of the printer ................................................................. 204

Cleaning the scanner glass ............................................................................. 205

Moving the printer .......................................................................................... 205

Before moving the printer .............................................................................. 205

Shipping the printer ....................................................................................... 206

Administrative support .................................................................................. 207

Finding advanced networking and administrator information .................... 207

Restoring the factory default settings ............................................................ 207
Troubleshooting

Solving basic printer problems.................................................................209
Solving printing problems........................................................................209
  Multiple-language PDFs do not print..................................................209
  Printer control panel display is blank or displays only diamonds........209
  Error message about reading USB drive appears .................................209
  Jobs do not print..................................................................................210
  Job takes longer than expected to print ...............................................210
  Job prints from the wrong tray or on the wrong paper..........................211
  Incorrect or strange characters print ....................................................211
  Tray linking does not work....................................................................211
  Large jobs do not collate.......................................................................211
  Unexpected page breaks occur..............................................................212
Solving copy problems............................................................................212
  Copier does not respond ....................................................................212
  Scanner unit does not close..................................................................212
  Poor copy quality.................................................................................213
  Partial document or photo copies.........................................................214
Solving scanner problems......................................................................214
  Checking an unresponsive scanner.......................................................214
  Scan was not successful.......................................................................215
  Scanning takes too long or freezes the computer ...................................215
  Poor scanned image quality.................................................................215
  Partial document or photo scans..........................................................216
  Cannot scan from a computer..............................................................216
Solving fax problems..............................................................................216
  Caller ID is not shown..........................................................................216
  Cannot send or receive a fax.................................................................217
  Can send but not receive faxes.............................................................218
  Can receive but not send faxes.............................................................219
  Received fax has poor print quality .....................................................219
  Blocking junk faxes..............................................................................220
Solving option problems.......................................................................220
  Option does not operate correctly or quits after it is installed .................220
  Drawers...............................................................................................221
  Multipurpose feeder..........................................................................221
  Memory card.......................................................................................222
Solving paper feed problems..................................................................222
Paper frequently jams.....................................................................................................................................222
Paper jam message remains after jam is cleared ...........................................................................................223
Page that jammed does not reprint after you clear the jam ..........................................................................223

Solving print quality problems......................................................................................................................223
Blank pages..................................................................................................................................................223
Characters have jagged or uneven edges .......................................................................................................224
Clipped images................................................................................................................................................224
Dark lines ......................................................................................................................................................224
Gray background..........................................................................................................................................225
Incorrect margins .........................................................................................................................................225
Light colored line, white line, or incorrectly colored line ...........................................................................226
Paper curl.......................................................................................................................................................226
Print irregularities ........................................................................................................................................226
Repeating defects ........................................................................................................................................227
Skewed print ................................................................................................................................................227
Print is too light ............................................................................................................................................228
Print is too dark ...........................................................................................................................................229
Solid color pages .......................................................................................................................................230
Toner fog or background shading appears on the page .............................................................................231
Toner rubs off ..............................................................................................................................................231
Toner specks ...............................................................................................................................................232
Transparency print quality is poor ............................................................................................................232
Uneven print density ..................................................................................................................................232

Solving color quality problems ...................................................................................................................233
Color misregistration ...................................................................................................................................233
FAQ about color printing ............................................................................................................................233

Embedded Web Server does not open .........................................................................................................236
Check the network connections ....................................................................................................................236
Check the network settings ............................................................................................................................236

Contacting Customer Support ....................................................................................................................236

Notices..........................................................................................................................................................237
Product information.....................................................................................................................................237
Edition notice...............................................................................................................................................237
Power consumption......................................................................................................................................241

Index............................................................................................................................................................255
Safety information

Connect the power cord to a properly grounded electrical outlet that is near the product and easily accessible.

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—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.

Use care when you replace a lithium battery.

**CAUTION—POTENTIAL INJURY:** There is a danger of explosion if a lithium battery is incorrectly replaced. Replace it only with the same or an equivalent type of lithium battery. Do not recharge, disassemble, or incinerate a lithium battery. Discard used batteries according to the manufacturer's instructions and local regulations.

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

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

Use only the telecommunications (RJ-11) cord provided with this product or a 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.

**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 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 the power cord is misused, a risk of fire or electrical shock results. Inspect the power cord regularly for signs of misuse. 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.

**SAVE THESE INSTRUCTIONS.**
# Learning about the printer

## Finding information about the printer

### Setup information

<table>
<thead>
<tr>
<th>Description</th>
<th>Where to find</th>
</tr>
</thead>
<tbody>
<tr>
<td>The <em>Setup</em> information gives you instructions for setting up the printer. Follow the set of instructions for local, network, or wireless, depending on what you need.</td>
<td>You can find the <em>Setup</em> information in the printer box or on the Lexmark Web site at <a href="http://www.lexmark.com">www.lexmark.com</a>.</td>
</tr>
</tbody>
</table>

### Wireless Setup Guide

<table>
<thead>
<tr>
<th>Description</th>
<th>Where to find</th>
</tr>
</thead>
<tbody>
<tr>
<td>If your printer has built-in wireless functionality, a <em>Wireless Setup Guide</em> gives you instructions for connecting the printer wirelessly.</td>
<td>You can find the <em>Wireless Setup Guide</em> in the printer box or on the Lexmark Web site at <a href="http://www.lexmark.com">www.lexmark.com</a>.</td>
</tr>
</tbody>
</table>

### Help

<table>
<thead>
<tr>
<th>Description</th>
<th>Where to find</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Help gives you instructions for using the software.</td>
<td>While in any Lexmark software program, click <em>Help, Tips &gt; Help</em>, or <em>Help &gt; Help Topics</em>.</td>
</tr>
</tbody>
</table>

### Customer support

<table>
<thead>
<tr>
<th>Description</th>
<th>Where to find (North America)</th>
<th>Where to find (rest of world)</th>
</tr>
</thead>
</table>
| Telephone support            | Call us at  
  - US: 1-800-332-4120  
    Monday–Friday (8:00 AM–11:00 PM ET)  
    Saturday (Noon–6:00 PM ET)  
  - Canada: 1-800-539-6275  
    Monday–Friday (8:00 AM–11:00 PM ET)  
    Saturday (Noon–6:00 PM ET)  
  - Mexico: 001-888-377-0063  
    Monday–Friday (8:00 AM–8:00 PM ET)  
**Note:** Telephone numbers and support times may change without notice. For the most recent telephone numbers available, see the printed warranty statement that came with your printer. | Telephone numbers and support hours vary by country or region.  
Visit our Web site at [www.lexmark.com](http://www.lexmark.com).  
Select a country or region, and then select the Customer Support link.  
**Note:** For additional information about contacting Lexmark, see the printed warranty that came with your printer. |
### Description | Where to find (North America) | Where to find (rest of world)
--- | --- | ---
**E-mail support** | For e-mail support, visit our Web site: [www.lexmark.com](http://www.lexmark.com).  
1. Click SUPPORT.  
2. Click Technical Support.  
3. Select your printer type.  
4. Select your printer model.  
5. From the Support Tools section, click e-Mail Support.  
6. Complete the form, and then click Submit Request. | E-mail support varies by country or region, and may not be available in some instances.  
Visit our Web site at [www.lexmark.com](http://www.lexmark.com).  
Select a country or region, and then select the Customer Support link.  
**Note:** For additional information about contacting Lexmark, see the printed warranty that came with your printer.

### Selecting a location for the printer

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 also. It is important to:

- Make sure airflow in the room meets the latest revision of the ASHRAE 62 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:
<table>
<thead>
<tr>
<th></th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>102 mm (4 in.)</td>
</tr>
<tr>
<td>2</td>
<td>508 mm (20 in.)</td>
</tr>
<tr>
<td>3</td>
<td>152 mm (6 in.)</td>
</tr>
<tr>
<td>4</td>
<td>76 mm (3 in.)</td>
</tr>
<tr>
<td>5</td>
<td>254 mm (10 in.)</td>
</tr>
</tbody>
</table>

31.37 kg (69.15 lbs)
Printer configurations

Basic models

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Printer control panel</td>
</tr>
<tr>
<td>2</td>
<td>Automatic Document Feeder (ADF)</td>
</tr>
<tr>
<td>3</td>
<td>Standard exit bin</td>
</tr>
<tr>
<td>4</td>
<td>Top door latch</td>
</tr>
<tr>
<td>5</td>
<td>Right side cover</td>
</tr>
<tr>
<td>6</td>
<td>Standard 250-sheet tray (Tray 1)</td>
</tr>
<tr>
<td>7</td>
<td>Manual feeder</td>
</tr>
<tr>
<td>8</td>
<td>650-sheet duo drawer with integrated multipurpose feeder (Tray 2)</td>
</tr>
<tr>
<td>9</td>
<td>Optional 550-sheet tray (Tray 3)</td>
</tr>
</tbody>
</table>

Basic functions of the scanner

The scanner provides copy, fax, and scan-to-network capability for 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, an FTP server, or a USB flash memory device.
Understanding the ADF and scanner glass

<table>
<thead>
<tr>
<th>Automatic Document Feeder (ADF)</th>
<th>Scanner glass</th>
</tr>
</thead>
<tbody>
<tr>
<td>![ADF Image] (Use the ADF for multiple-page documents.)</td>
<td>![Scanner Glass Image] (Use the scanner glass for single pages, small items (such as postcards or photos), transparencies, photo paper, or thin media (such as magazine clippings).)</td>
</tr>
</tbody>
</table>

You can use the ADF or the scanner glass to scan documents.

Using the ADF

The ADF can scan multiple pages including duplex (two-sided) pages. When using the ADF:

**Note:** Duplex scanning is not available on selected printer models. When using the ADF:

- Load the document into the ADF faceup, short edge first.
- Load up to 50 sheets of plain paper into the ADF.
- Scan sizes from 125 x 216 mm (4.9 x 8.5 in.) wide to 127 x 356 mm (5 x 14 in.) long.
- Scan media weights from 52 to 120 g/m² (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

The scanner glass can be used to scan or copy single pages or book pages. When using the scanner glass:

- Place a document facedown on the scanner glass in the corner with the green arrow.
- Scan or copy documents up to 215.9 x 355.6 mm (8.5 x 14 in.).
- Copy books up to 12.7 mm (0.5 in.) thick.

Understanding the printer control panel

**Note:** Some features are not available on selected printer models.
### Selections and settings
Select a function such as Copy, Scan, Email, or Fax. Change default copy and scan settings such as the number of copies, duplex printing, copy options, and scaling. Use the address book when scanning to e-mail.

### Display area
View scanning, copying, faxing, and printing options as well as status and error messages. Access the administration menus, start, stop, or cancel a print job.

### Keypad area
Enter numbers, letters, or symbols on the display, print using the USB flash memory device, or change the default fax settings.

### Copy
Press the **Copy** button to enter the copy function.

### Content
Press the **Content** button to enhance copy, scan, e-mail, or fax quality. Choose from Text, Text/Photo, or Photo.

### Copies
Press the **Copies** button to enter the number of copies to print.
<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>Scale</td>
</tr>
<tr>
<td>5</td>
<td>Options</td>
</tr>
<tr>
<td>6</td>
<td>Address Book</td>
</tr>
<tr>
<td>7</td>
<td>Darkness</td>
</tr>
</tbody>
</table>
| 8    | Duplex 2-Sided | Press the **Duplex 2-Sided** button to scan or print on both sides of the paper.  
**Note:** The duplex feature is not available on selected printer models. |
| 9    | Fax         | Press the **Fax** button to enter the fax function.  
**Note:** Fax mode is not available on selected printer models. |
<p>| 10   | Scan/Email  | Press the <strong>Scan/Email</strong> button to enter the scan or scan to e-mail function. |</p>
<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
</table>
| 1    | **Menu**  
Press to enter the administration menus. |
| 2    | **Display**  
View scanning, copying, faxing, and printing options as well as status and error messages  
**Note:** The fax feature is not available on selected printer models. |
| 3    | **Stop/Cancel**  
Press to stop all printer activity. |
| 4    | **Color start**  
Press to copy or scan in color. |
| 5    | **Black start**  
Press to copy or scan in black and white. |
| 6    | **Right arrow**  
Press to scroll right. |
| 7    | **Select**  
Press to accept menu selections and settings. |
<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>Left arrow</td>
</tr>
<tr>
<td></td>
<td>Press ➡️ to scroll left.</td>
</tr>
<tr>
<td>9</td>
<td>Indicator light</td>
</tr>
<tr>
<td></td>
<td>Indicates the printer status:</td>
</tr>
<tr>
<td></td>
<td>- <strong>Off</strong>—The power is off.</td>
</tr>
<tr>
<td></td>
<td>- <strong>Blinking green</strong>—The printer is warming up, processing data, or printing.</td>
</tr>
<tr>
<td></td>
<td>- <strong>Solid green</strong>—The printer is on, but idle.</td>
</tr>
<tr>
<td></td>
<td>- <strong>Blinking red</strong>—Operator intervention is needed.</td>
</tr>
<tr>
<td>10</td>
<td>Back</td>
</tr>
<tr>
<td></td>
<td>Press ↪️ to return one screen at a time to the <strong>Ready</strong> screen.</td>
</tr>
<tr>
<td></td>
<td><strong>Note:</strong> An error beep sounds when you press ➪️ if a flash drive is connected and the USB menu is displayed.</td>
</tr>
</tbody>
</table>

**Note:** The fax buttons, keypad, and USB port are not available on selected printer models.

![Printer Control Panel Diagram](image-url)

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Redial/Pause</td>
</tr>
<tr>
<td></td>
<td>- Press the <strong>Redial/Pause</strong> button to cause a two- or three-second dial pause in a fax number. In the Fax To: field, a Dial Pause is represented by a comma (,).</td>
</tr>
<tr>
<td></td>
<td>- From the home screen, press the <strong>Redial/Pause</strong> button to redial a fax number.</td>
</tr>
<tr>
<td></td>
<td>- The button functions only within the Fax menu or with fax functions. When outside of the Fax menu, fax function, or home screen, pressing the <strong>Redial/Pause</strong> button causes an error beep.</td>
</tr>
<tr>
<td>Item</td>
<td>Description</td>
</tr>
<tr>
<td>------</td>
<td>-------------</td>
</tr>
<tr>
<td>2</td>
<td>Keypad</td>
</tr>
<tr>
<td></td>
<td>Enter numbers, letters, or symbols on the display.</td>
</tr>
<tr>
<td></td>
<td><img src="image" alt="Keypad" /></td>
</tr>
<tr>
<td>3</td>
<td>Front USB port</td>
</tr>
<tr>
<td></td>
<td>Lets you scan to a flash drive or print supported file types. <strong>Note:</strong> When a USB flash memory device is inserted into the printer, the printer can only scan to the USB device or print files from the USB device. All other printer functions are unavailable.</td>
</tr>
<tr>
<td>4</td>
<td>Shortcuts</td>
</tr>
<tr>
<td></td>
<td>Press <code>#</code> to enter the shortcut screen.</td>
</tr>
<tr>
<td>5</td>
<td>Hook</td>
</tr>
<tr>
<td></td>
<td>Press <code>#</code> to take the line off-hook (like picking up a phone receiver). Press <code>#</code> a second time to hang up the line.</td>
</tr>
<tr>
<td>6</td>
<td>Options</td>
</tr>
<tr>
<td></td>
<td>Press the <strong>Options</strong> button to change Original Size, Broadcast, Delayed Send, and Cancel settings.</td>
</tr>
<tr>
<td>7</td>
<td>Resolution</td>
</tr>
<tr>
<td></td>
<td>Press the <strong>Resolution</strong> button to select a dpi value for the scan. <strong>Note:</strong> Press <code>&lt;</code> or <code>&gt;</code> to scroll through the values, and then press <code>✓</code> to enter a value.</td>
</tr>
</tbody>
</table>
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. The instructions in this section explain how to install the available cards; you can also use them to locate a card for removal.

Available options

Note: Certain options are not available on selected printer models.

Memory cards
- Printer memory
- Flash memory
- Font cards

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.

Note: This task requires a #2 Phillips screwdriver.

1 Access the system board on the back of the printer.
   a Turn the screws on the cover counterclockwise, and then remove them.
   b Gently pull the cover away from the printer, and then remove it.
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.

2 Use the illustration below to locate the connector.

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. Flash memory or font card connector
2. Memory card connector

3. Open the memory card connector latches.
4 Unpack the memory card.
   **Note:** Avoid touching the connection points along the edge of the card.

5 Align the notches on the memory card with the ridges on the connector.

6 Push the memory card straight into the connector until it *snaps* into place.

7 Reinstall the system board cover.
Installing a flash memory or font 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.

1. Access the system board on the back of the printer.
   - a. Turn the screws on the cover counterclockwise, and then remove them.
   - b. Gently pull the cover away from the printer, and then remove it.

**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.

2. Use the illustration below to locate the connector.

**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.
3 Unpack the flash memory or font card.

Note: Avoid touching the connection points along the edge of the card.
4 Holding the card by its sides, align the plastic pins on the card with the holes on the system board. This ensures the metal pins line up correctly as well.

<table>
<thead>
<tr>
<th></th>
<th>Plastic pins</th>
<th>Metal pins</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

5 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.
6 Reinstall the system board cover.

Installing hardware options

Installing an optional tray or drawer

The printer supports two additional input sources: an optional 550-sheet tray and a 650-sheet duo drawer (Tray 2) with an integrated multipurpose feeder.

Note: Some printer models may not support the optional 550-sheet tray.

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.

1 Unpack the optional 550-sheet tray, and then remove all packing material and the dust cover.

2 Place the tray in the location chosen for the printer.

Note: If you are installing both the optional tray and the 650-sheet duo drawer, the optional 550-sheet tray must always be installed as the first tray (configuring from the bottom up).
3 Align the 650-sheet duo drawer with the optional 550-sheet tray, and then lower it into place.

4 Align the printer with the 650-sheet duo drawer, then lower the printer into place and install the dust covers.

**CAUTION—POTENTIAL INJURY:** The printer weight is greater than 18 kg (40 lb) and requires two or more trained personnel to move it safely.
Note: Once the printer software and any options are installed, it may be necessary to manually add the options in the printer driver to make them available for print jobs. For more information, see “Updating available options in the printer driver” on page 34.

Attaching cables

1. Connect the printer to a computer or a network.
   - For a local connection, use a USB cable.
   - For a network connection, use an Ethernet cable.

Notes:
   - For fax connections, see “Initial fax setup” on page 87.
   - Make sure the software is installed before turning the printer on. For more information, see the Setup Guide.

2. Connect the power cord to the printer first and then to a wall outlet.
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 menu settings pages

Print menu settings pages to review the current menu settings and to verify printer options are installed correctly.

**Note:** If you have not made any menu item settings changes yet, then the menu settings pages list all the factory default settings. Once you select and save other settings from the menus, they replace the factory default settings as *user default settings*. A user default setting remains in effect until you access the menu again, choose another value, and save it. To restore the factory default settings, see “Restoring the factory default settings” on page 207.

1. Make sure the printer is on and **Ready** appears.
2. From the printer control panel, press **Reports**.
3. Press the arrow buttons until **Reports** appears, and then press **Menu Settings Page**.
4. After the menu settings pages print, **Ready** appears.

Printing a network setup page

If the printer 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.

1. Make sure the printer is on and **Ready** appears.
2. From the printer control panel, press **Reports**.
3. Press the arrow buttons until **Reports** appears, and then press **Network Setup Page**.
4. After the network setup page prints, **Ready** appears.
5. Check the first section on the network setup page, and confirm that Status is “Connected.”
   - If Status is “Not Connected,” 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 printer software

A printer driver is software that lets the computer communicate with the printer. The printer software is typically installed during the initial printer setup. If you need to install the software after setup, follow these instructions:

For Windows users

1. Close all open software programs.
2. Insert the *Software and Documentation* CD.
3. From the main installation dialog, click **Install**.
4. Follow the instructions on the screen.
For Macintosh users

1. Close all open software applications.
2. Insert the Software and Documentation CD.
3. From the Finder desktop, double-click the printer CD icon that automatically appears.
4. Double-click the Install icon.
5. Follow the instructions on the screen.

Using the World Wide Web

2. From the Drivers & Downloads menu, click Driver Finder.
3. Select your printer, and then select your operating system.
4. Download the driver and install the printer software.

Updating available options in the printer driver

Once the printer software and any options are installed, it may be necessary to manually add the options in the printer driver to make them available for print jobs.

For Windows users

1. Click , or click Start and then click Run.
2. In the Start Search or Run box, type control printers.
3. Press Enter, or click OK.
   The printer folder opens.
4. Select the printer.
   
   **Note:** If the printer has a fax option, choose the appropriate printer model with the letters “PS.”
5. Right-click the printer, and then select Properties.
6. Click the Install Options tab.
7. Under Available Options, add any installed hardware options.
   
   **Note:** If the printer has a fax option, select Fax and then add it as an installed option.
8. Click Apply.

Setting up wireless printing

Information you will need to set up the printer on a wireless network

**Note:** Do not connect the installation or network cables until prompted to do so by the setup software.
• **SSID**—The SSID is also referred to as the network name.

• **Wireless Mode (or Network Mode)**—The mode will be either infrastructure or ad hoc.

• **Channel (for ad hoc networks)**—The channel defaults to auto for infrastructure networks. Some ad hoc networks will also require the auto setting. Check with your system support person if you are not sure which channel to select.

• **Security Method**—There are three basic options for Security Method:
  — **WEP key**
    If your network uses more than one WEP key, enter up to four in the provided spaces. Select the key currently in use on the network by selecting the Default WEP Transmit Key.
  or
  — **WPA or WPA2 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.
  — **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.

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

• Authentication type
• Inner authentication type
• 802.1X username and password
• Certificates

**Note:** For more information on configuring 802.1X security, see the *Networking Guide* on the *Software and Documentation* CD.

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

Before you install the printer on a wireless network, make sure that:

• Your wireless network is set up and 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 cable to the printer and then to a properly grounded electrical outlet, and then turn the printer on.
STOP
Make sure the printer and computer are fully on and ready.

Do not connect the USB cable until instructed to do so on the screen.

2 Insert the *Software and Documentation* CD.

3 Click **Install Printer and Software**.

4 Click **Agree** to agree to the License Agreement.

5 Click **Suggested**, and then click **Next**.

6 Click **Wireless Network Attach**.

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 to complete the software installation.

**Note:** *Basic* is the recommended path to choose. Choose *Advanced* only if you want to customize your installation.

9 To allow other computers on the wireless network to use the wireless printer, follow steps 2 through 6 and step 8 for each computer.
Installing the printer on a wireless network (Macintosh)

Prepare to configure the printer

1. Locate the printer MAC address on the sheet that shipped with the printer. Write the last six digits of the MAC address in the space provided below:
   MAC address: ___ ___ ___ ___ ___ ___

2. Connect the power cable to the printer and then to a properly grounded electrical outlet, and then turn the power on.

Enter the printer information

1. Access the AirPort options.
   
   **In Mac OS X version 10.5 or later**
   a. From the Apple menu, choose **System Preferences**.
   b. Click **Network**.
   c. Click **AirPort**.

   **In Mac OS X version 10.4 and earlier**
   a. From the Finder desktop, choose **Go > Applications**.
   b. From the Applications folder, double-click **Internet Connect**.
   c. From the toolbar, click **AirPort**.

2. From the Network pop-up menu, select **print server xxxxx**, where the x’s are the last six digits of the MAC address located on the MAC address sheet.

3. Open the Safari browser.

4. From the Bookmarks drop-down menu, select **Show**.

5. Under Collections, select **Bonjour** or **Rendezvous**, and then double-click the printer name.

   **Note:** The application is referred to as Rendezvous in Mac OS X version 10.3, but is now called Bonjour by Apple Computer.

6. From the main page of the Embedded Web Server, navigate to the page where the wireless settings information is stored.
Configure the printer for wireless access

1. Type the name of your network (SSID) in the appropriate field.
2. Select Infrastructure as your Network Mode if you are using a wireless router.
3. Select the type of security you use to protect your wireless network.
4. Enter the security information necessary for the printer to join your wireless network.
5. Click Submit.
6. Open the AirPort application on your computer:
   - In Mac OS X version 10.5 or later
     a. From the Apple menu, choose System Preferences.
     b. Click Network.
     c. Click AirPort.
   - In Mac OS X version 10.4 and earlier
     a. From the Finder desktop, click Go > Applications.
     b. From the Applications folder, double-click Internet Connect.
     c. From the toolbar, click AirPort.
7. From the Network pop-up menu, select your wireless network.

Configure your computer to use the printer wirelessly

To print to a network printer, each Macintosh user must install a custom PostScript Printer Description (PPD) file and create a printer in the Print Center or Printer Setup Utility.

1. Install a PPD file on the computer:
   a. Insert the Software and Documentation CD in the CD or DVD drive.
   b. Double-click the installer package for the printer.
   c. From the Welcome screen, click Continue.
   d. Click Continue again after viewing the Readme file.
   e. Click Continue after viewing the license agreement, and then click Agree to accept the terms of the agreement.
   f. Select a Destination, and then click Continue.
   g. From the Easy Install screen, click Install.
   h. Type the user password, and then click OK.
      All necessary software is installed on the computer.
   i. Click Restart when 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, choose System Preferences.
        2. Click Print & Fax.
        3. Click +.
        4. Click IP.
5 Type in the IP address of your printer in the Address field.
6 Click Add.

**In Mac OS X version 10.4 and earlier**
1 From the Finder desktop, choose Go > Applications.
2 Double-click the Utilities folder.
3 Locate and double-click Printer Setup Utility or Print Center.
4 From the Printer List, choose Add.
5 Click IP.
6 Type in the IP address of your printer in the Address field.
7 Click Add.

b For AppleTalk printing:

**In Mac OS X version 10.5**
1 From the Apple menu, choose System Preferences.
2 Click Print & Fax.
3 Click +.
4 Click AppleTalk.
5 Select the printer from the list.
6 Click Add.

**In Mac OS X version 10.4**
1 From the Finder desktop, choose Go > Applications.
2 Double-click the Utilities folder.
3 Locate and double-click Print Center or Printer Setup Utility.
4 From the Printer List, choose Add.
5 Choose the Default Browser tab.
6 Click More Printers.
7 From the first pop-up menu, choose AppleTalk.
8 From the second pop-up menu, select Local AppleTalk zone.
9 Select the printer from the list.
10 Click Add.

### Installing the printer on a wired network

Use the following instructions to install the printer on a wired network. These instructions apply to Ethernet and fiber optic network connections.

Before you install the printer on a wired network, make sure that:

- You have completed the initial setup of the printer.
- The printer is connected to your network with the appropriate type of cable.

#### For Windows users

1 Insert the Software and Documentation CD.
   Wait for the Welcome screen to appear.
If the CD does not launch after a minute, then do the following:

a Click , or click Start and then click Run.
b In the Start Search or Run box, type D:\setup.exe, where D is the letter of your CD or DVD drive.

2 Click Install Printer and Software.

3 Click Agree to agree to the License Agreement.

4 Select Suggested, and then click Next.

   Note: To configure the printer using a static IP address, using IPv6, or to configure printers using scripts, select Custom and follow the on-screen instructions.

5 Select Wired Network Attach, and then click Next.

6 Select the printer manufacturer from the list.

7 Select the printer model from the list, and then click Next.

8 Select the printer from the list of printers discovered on the network, and then click Finish.

   Note: If your configured printer does not appear in the list of discovered printers, click Add Port and follow the on-screen instructions.

9 Follow the on-screen instructions to complete the installation.

For Macintosh users

1 Allow the network DHCP server to assign an IP address to the printer.

2 Print the network setup page from the printer. For information on printing a network setup page, see “Printing a network setup page” on page 33.

3 Locate the printer IP address in the TCP/IP section of the network setup page. You will need the IP address if you are configuring access for computers on a different subnet than the printer.

4 Install the drivers and add the printer.

   a Install a PPD file on the computer:
      1 Insert the Software and Documentation CD in the CD or DVD drive.
      2 Double-click the installer package for the printer.
      3 From the Welcome screen, click Continue.
      4 Click Continue again after viewing the Readme file.
      5 Click Continue after viewing the license agreement, and then click Agree to accept the terms of the agreement.
      6 Select a Destination, and then click Continue.
      7 From the Easy Install screen, click Install.
      8 Type the user password, and then click OK.
         All the necessary software is installed on the computer.
      9 Click Restart when installation is complete.

   b Add the printer:
      • For IP printing:
In Mac OS X version 10.5 or later
1. From the Apple menu, choose System Preferences.
2. Click Print & Fax.
3. Click +.
4. Click IP.
5. Type in the IP address of your printer in the Address field.
6. Click Add.

In Mac OS X version 10.4 and earlier
1. From the Finder desktop, choose Go > Applications.
2. Double-click Utilities.
3. Double-click Printer Setup Utility or Print Center.
4. From the Printer List, click Add.
5. Click IP.
6. Type in the IP address of your printer in the Address field.
7. Click Add.

• For AppleTalk printing:

In Mac OS X version 10.5
1. From the Apple menu, choose System Preferences.
2. Click Print & Fax.
3. Click +.
4. Click AppleTalk.
5. Select the printer from the list.
6. Click Add.

In Mac OS X version 10.4 and earlier
1. From the Finder desktop, choose Go > Applications.
2. Double-click Utilities.
3. Double-click Print Center or Printer Setup Utility.
4. From the Printer List, click Add.
5. Choose the Default Browser tab.
6. Click More Printers.
7. From the first pop-up menu, choose AppleTalk.
8. From the second pop-up menu, select Local AppleTalk zone.
9. Select the printer from the list.
10. Click Add.

Note: If the printer doesn't show up in the list, you may need to add it using the IP address. Contact your system support person for assistance.
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
- The Lexmark recycling program at 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".

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/m² 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 ± 2.3 mm (± 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/m² (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](http://www.lexmark.com) link.

**Conserving supplies**

There are a number of ways you can reduce the amount of paper and toner you use when printing. You can:

**Use both sides of the paper**

If your printer model supports duplex printing, you can control whether print appears on one or two sides of the paper for a printed document by selecting **2-sided printing** from the Print dialog or the Lexmark Toolbar.

**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 selecting a setting from the Multipage printing (N-Up) section of the Print dialog screen.
Check your first draft for accuracy

Before printing or making multiple copies of a document:

- Use the Lexmark preview feature, which you can select from the Print dialog or the Lexmark Toolbar to see what the document will look like before you print it.
- Print one copy of the document to check its content and format for accuracy.

Avoid paper jams

Carefully select and load paper to avoid paper jams. For more information, see “Avoiding jams” on page 114.

Saving energy

Using Eco-Mode

Use Eco-Mode to quickly select one or more ways to reduce your printer’s environmental impact.

Note: See the table for the multiple settings that change when you select an Eco-Mode setting.

<table>
<thead>
<tr>
<th>Choose</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>Energy</td>
<td>Reduce energy use, especially when the printer is idle.</td>
</tr>
<tr>
<td></td>
<td>- Printer engine motors do not start until a job is ready to print. You may notice a short delay before the first page is printed.</td>
</tr>
<tr>
<td></td>
<td>- The printer enters Power Saver mode after one minute of inactivity.</td>
</tr>
<tr>
<td>Paper</td>
<td>Duplex is enabled on printer models supporting duplex.</td>
</tr>
<tr>
<td>Energy/Paper</td>
<td>Use all the settings associated with Energy mode and Paper mode.</td>
</tr>
<tr>
<td>Off</td>
<td>Use factory default settings for all settings associated with Eco-Mode. This setting supports the performance specifications for your printer.</td>
</tr>
</tbody>
</table>

To select an Eco-Mode setting:

1. From the printer control panel, press \( \equiv \).
2. Press the arrow buttons until `Settings` appears, and then press \( \checkmark \).
3. Press the arrow buttons until `General Settings` appears, and then press \( \checkmark \).
4. Press the arrow buttons until `Eco-Mode` appears, and then press \( \checkmark \).
5. Select the setting you want, and then press \( \checkmark \).

Submitting changes appears.

Reducing printer noise

Use Quiet Mode to reduce the printer noise.

Note: See the table for the multiple settings that change when you select a Quiet Mode setting.
Choose | To
--- | ---
On | Reduce printer noise.  
• You may notice a reduction in processing speed.  
• Printer engine motors do not start until a job is ready to print. You may notice a short delay before the first page is printed.  
• Fans run at a reduced speed or are turned off.  
• If your printer has faxing capability, fax sounds are reduced or disabled, including those made by the fax speaker and ringer.
Off | Use factory default settings. This setting supports the performance specifications for your printer.

To select a Quiet Mode setting:

1. From the printer control panel, press `.
2. Press the arrow buttons until **Settings** appears, and then press .
3. Press the arrow buttons until **General Settings** appears, and then press .
4. Press the arrow buttons until **Quiet Mode** appears, and then press .
5. Select the setting you want, and then press .

**Submitting changes** appears.

### Adjusting Power Saver

1. Make sure the printer is on and **Ready** appears.
2. From the printer control panel, press `.
3. Press the arrow buttons until **Settings** appears, and then press .
4. Press the arrow buttons until **General Settings** appears, and then press .
5. Press the arrow buttons until **Timeout** appears, and then press .
6. Press the arrow buttons until **Power Saver** appears, and then press .
7. Press the arrow buttons to enter the number of minutes for the printer to wait before entering the Power Saver mode. Available settings range from 1–240 minutes.
8. Press .

**Submitting changes** appears.

9. Press ` , and then press ` until **Ready** appears.

**Note:** Power Saver settings can also be adjusted by typing the printer IP address into the address field of your Web browser.
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
- The Lexmark recycling program at www.lexmark.com/recycle

Recycling Lexmark products

To return Lexmark products to Lexmark for recycling:

2. Find the product type you want to recycle, and then select your country from the list.
3. Follow the instructions on the computer screen.

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

The 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 pre-paid shipping label. You can also:

2. From the Toner Cartridges section, select your country from the list.
3. Follow the instructions on the computer screen.
Loading paper and specialty media

This section explains how to use the 250-sheet tray, the manual feeder, an optional 550-sheet tray, and the 650-sheet duo drawer with an integrated multipurpose feeder. It also includes information about paper orientation, setting the Paper Size and Paper Type, and linking and unlinking trays.

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

Unlinking trays

Unlinked trays have settings that are not the same as the settings of any other tray.

To unlink a tray, change the following tray settings so that they do not match the settings of any other tray:

- Paper Type (for example: Plain Paper, Letterhead, Custom 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 <> or define your own custom name.

- Paper Size (for example: letter, A4, statement)
  
  Load a different paper size to change the Paper Size setting for a tray. Paper Size settings 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 the tray. The temperature of the fuser varies according to the specified Paper Type. Paper may not be properly processed if an inaccurate Paper Type is selected.

Assigning a Custom Type name

Assign a Custom Type name to a tray to link or unlink it. Associate the same Custom Type name to each tray that you want to link. Only trays with the same custom names assigned will link.

1. Make sure the printer is on and **Ready** appears.
2. From the printer control panel, press [Home].
3. Press the arrow buttons until **Paper Menu** appears, and then press [OK].
4. Press the arrow buttons until **Size/Type** appears, and then press [OK].
5. Press the arrow buttons, and then press [OK] to select the tray.
6. The Paper Size menu appears.
7. Press the arrow buttons until the Paper Type menu appears.
Press ☑.

Press the arrow buttons until Custom Type <x> or another custom name appears, and then press ☑.

Submitting changes appears, followed by Paper Menu.

Press ☑, and then press ☑ to return to the Ready state.

**Setting the Paper Size and Paper Type**

*Note:* Trays with matching Paper Size and Paper Type settings are automatically linked by the printer. When a linked tray runs out of paper, the printer draws from another tray.

To change the Paper Size and Paper Type settings:

1. Make sure the printer is on and Ready appears.

2. From the printer control panel, press ☑.

3. Press the arrow buttons until Paper Menu appears, and then press ☑.

4. Press the arrow buttons until Size/Type appears, and then press ☑.

5. Press the arrow buttons until the correct tray appears, and then press ☑.

6. Press ☑ when Size appears.

7. Press the arrow buttons until the correct size appears, and then press ☑.

Submitting changes appears, followed by Size.

8. Press the arrow buttons until Type appears, and then press ☑.

9. Press the arrow buttons until the correct type appears, and then press ☑.

Submitting changes appears, followed by Type.

10. Press ☑, and then press ☑ to return to the Ready state.

**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 (inches or millimeters)
- Portrait Height and Portrait Width
- Feed Direction

*Note:* The smallest supported Universal size is 76.2 x 127 mm (3 x 5 in.); the largest is 215.9 x 355.6 mm (8.5 x 14 in.).

**Specify a unit of measurement**

1. Make sure the printer is on and Ready appears.

2. From the printer control panel, press ☑.

3. Press the arrow buttons until Paper Menu appears, and then press ☑.
4 Press the arrow buttons until **Universal Setup** appears, and then press ✅.

5 Press the arrow buttons until **Units of Measure** appears, and then press ✅.

6 Press the arrow buttons until the correct unit of measure appears, and then press ✅.

   Submitting changes appears, followed by the **Universal Setup** menu.

**Specify the paper height and width**

Defining a specific height and width measurement for the Universal paper size (in the portrait orientation) allows the printer to support the size, including support for standard features such as duplex printing and printing multiple pages on one sheet.

1 From the Universal Setup menu, press the arrow buttons until **Portrait Width** or **Portrait Height** appears, and then press ✅.

   **Note:** Select **Portrait Height** to adjust the paper height setting or **Paper Width** to adjust the paper width setting.

2 Press the arrow buttons to decrease or to increase the setting, and then press ✅.

   Submitting changes appears, followed by the **Universal Setup** menu.

**Loading the standard 250-sheet tray and optional 550-sheet tray**

The printer has one standard 250-sheet tray (Tray 1) with an attached manual feeder. The 250-sheet tray, the 650-sheet duo drawer, and the optional 550-sheet tray support the same paper sizes and types and are loaded in the same way.

**Note:** The optional 550-sheet tray is not available for all printer models.

1 Pull the tray out.

   **Note:** Do not remove trays while a job prints or while **Busy** appears on the display. Doing so may cause a jam.
2 Squeeze the length guide tab inward as shown, and slide the guide to the correct position for the paper size being loaded.

**Note:** Use the size indicators on the bottom of the tray to help position the guide.
3 If the paper is longer than letter-size paper, then push the green tab at the back of the tray to elongate it.

![Image of elongating tray]

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

![Image of flexing sheets]

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

![Image of loading paper]

6 Make sure the paper guides are secure against the edges of the paper.

**Note:** Make sure that the side guides are placed tightly against the edges of the paper so that the image is registered properly on the page.
7 Insert the tray.

8 If a different type or size of paper was loaded than the type or size previously loaded in the tray, change the Paper Type or Paper Size setting for the tray from the printer control panel.

Note: Mixing paper sizes or types in a paper tray may lead to jams.

Loading the 650-sheet duo drawer

The 650-sheet duo drawer (Tray 2) consists of a 550-sheet tray and an integrated 100-sheet multipurpose feeder. The drawer is loaded in the same way as the 250-sheet tray and the optional 550-sheet tray, and supports the same paper types and sizes. The only differences are the look of the guide tabs and the location of the paper size indicators, as shown in the following illustration:

Note: The optional 550-sheet tray is not available for all printer models.
Using the multipurpose feeder

1 Push the multipurpose feeder latch to the left.

![Multipurpose Feeder Latch](image1)

2 Open the multipurpose feeder.

![Multipurpose Feeder Opened](image2)

3 Grasp the extension, and pull it straight out until it is fully extended.

![Multipurpose Feeder Extension](image3)

4 Prepare the paper for loading.
   - Flex sheets of paper back and forth to loosen them, and then fan them. Do not fold or crease the paper. Straighten the edges on a level surface.

![Paper Preparation](image4)

- Hold transparencies by the edges and fan them. Straighten the edges on a level surface.

   **Note:** Avoid touching the print side of transparencies. Be careful not to scratch them.
• Flex a stack of envelopes back and forth to loosen them, and then fan them. Straighten the edges on a level surface.

5 Locate the stack height limiter and tab.

Note: Do not exceed the maximum stack height by forcing paper under the stack height limiter.

6 Load the paper, and then adjust the width guide to lightly touch the edge of the paper stack.

• Load paper, card stock, and transparencies with the recommended print side facedown and the top edge entering first.

• Load envelopes with the flap side up.

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 load or close the multipurpose feeder while a job is printing.

• Load only one size and type of paper at a time.
7 Make sure the paper is as far into the multipurpose feeder as it will go with very gentle pushing. Paper should lie flat in the multipurpose feeder. Make sure the paper fits loosely in the multipurpose feeder and is not bent or wrinkled.

8 From the printer control panel, set the Paper Size and Paper Type.

Using the manual feeder

The standard 250-sheet tray has an integrated manual feeder that can be used to print on different types of media one sheet at a time.

1 Send a manual print job:

   **For Windows users**
   a With a document open, click **File > Print**.
   b Click **Properties, Preferences, Options, or Setup**.
   c Click the **Paper** tab.
   d From the Paper type menu, select **Manual paper**.
   e From the Paper size menu, select the appropriate media size.
   f Click **OK**.
   g Click **OK** again.

   **For Macintosh users**
   a With a document open, click **File > Print**.
   b From the Copies & Pages or General pop-up menu, choose **Manual Paper**.
   c Click **OK** or **Print**.

2 When **Load Single Sheet Feeder with <type> <size>** appears, load the print media facedown into the manual feeder. Load envelopes with the flap side up.

   ![Manual Feeder Image]

   **Note:** Align the long edge of the print media so that it is flush with the right side of the manual feeder.
3 Adjust the width guides until they lightly touch the media sheet. Do not force the width guides against the media, or it could be damaged.

4 Push the media in until it stops. The printer pulls it in farther.

**Note:** To achieve the best possible print quality, use only high-quality media designed for laser printers.
Additional information for printing on speciality medias may be found in the *Cardstock and Label Guide* available on Lexmark.com/publications.

**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/m² (16 to 47 lb bond) grain long. Paper lighter than 75 g/m² (20 lb) might not be stiff enough to feed properly, causing jams. For best performance, use 80 g/m² (21 lb bond) grain long paper. For paper smaller than 182 x 257 mm (7.2 x 10.1 in.), we recommend 90 g/m² or heavier 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, 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 to 176 g/m² (16 to 47 lb bond) paper, use grain long fibers.
**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 possesses characteristics that can negatively affect paper handling.

**Unacceptable paper**

The following paper types are not recommended for use with the printer:

- Chemically treated papers used to make copies without carbon paper, also known as carbonless papers, carbonless copy paper (CCP), or no carbon required (NCR) paper
- Preprinted papers with chemicals that may contaminate the printer
- Preprinted papers that can be affected by the temperature in the printer fuser
- Preprinted papers that require a registration (the precise print location on the page) greater than ±2.3 mm (±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)
- Paper weighing less than 60 g/m² (16 lb)
- Multiple-part forms or documents

**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 176 g/m² 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 200°C (392°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 200°C (392°F) without melting or releasing hazardous emissions.

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 types of paper they support.

Note: For an unlisted paper size, select the closest larger listed size.

Paper sizes supported by the printer

Notes:

- Your printer model may have a 650-sheet duo drawer, which consists of a 550-sheet tray and an integrated 100-sheet multipurpose feeder. The 550-sheet tray part of the 650-sheet duo drawer supports the same paper as the optional 550-sheet tray. The integrated multipurpose feeder supports different paper sizes, types, and weights.
- The optional 550-sheet tray is not available for all printer models.

<table>
<thead>
<tr>
<th>Paper size</th>
<th>Dimensions</th>
<th>250-sheet tray</th>
<th>Optional 550-sheet tray</th>
<th>Multipurpose feeder</th>
<th>Manual feeder</th>
</tr>
</thead>
<tbody>
<tr>
<td>A4</td>
<td>210 x 297 mm (8.3 x 11.7 in.)</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>A5</td>
<td>148 x 210 mm (5.83 x 8.3 in.)</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>JIS B5</td>
<td>182 x 257 mm (7.2 x 10.1 in.)</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>A6</td>
<td>105 x 148 mm (4.1 x 5.8 in.)</td>
<td>X</td>
<td>X</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Statement</td>
<td>140 x 216 mm (5.5 x 8.5 in.)</td>
<td>X</td>
<td>X</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Letter</td>
<td>216 x 279 mm (8.5 x 11 in.)</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>

* When Universal is selected, the page is formatted for 216 x 356 mm (8.5 x 14 in.) unless the size is specified by the software program.
<table>
<thead>
<tr>
<th>Paper size</th>
<th>Dimensions</th>
<th>250-sheet tray</th>
<th>Optional 550-sheet tray</th>
<th>Multipurpose feeder</th>
<th>Manual feeder</th>
</tr>
</thead>
<tbody>
<tr>
<td>Folio</td>
<td>216 x 330 mm (8.5 x 13 in.)</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Oficio (Mexico)</td>
<td>216 x 340 mm (8.5 x 13 in.)</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Legal</td>
<td>216 x 356 mm (8.5 x 14 in.)</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Executive</td>
<td>184 x 267 mm (7.3 x 10.5 in.)</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Universal*</td>
<td>148 x 210 mm (5.8 x 8.3 in.) up to 216 x 356 mm (8.5 x 14 in.)</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td></td>
<td>76 x 127 mm (3 x 5 in.) up to 216 x 356 mm (8.5 x 14 in.)</td>
<td>X</td>
<td>X</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>7 3/4 Envelope (Monarch)</td>
<td>98 x 191 mm (3.9 x 7.5 in.)</td>
<td>X</td>
<td>X</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>9 Envelope</td>
<td>98 x 225 mm (3.9 x 8.9 in.)</td>
<td>X</td>
<td>X</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>10 Envelope</td>
<td>105 x 241 mm (4.1 x 9.5 in.)</td>
<td>X</td>
<td>X</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>DL Envelope</td>
<td>110 x 220 mm (4.3 x 8.7 in.)</td>
<td>X</td>
<td>X</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>B5 Envelope</td>
<td>176 x 250 mm (6.9 x 9.8 in.)</td>
<td>X</td>
<td>X</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>C5 Envelope</td>
<td>162 x 229 mm (6.4 x 9 in.)</td>
<td>X</td>
<td>X</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Monarch</td>
<td>105 x 241 mm (4.1 x 9.5 in.)</td>
<td>X</td>
<td>X</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Other Envelope</td>
<td>98 x 162 mm (3.9 x 6.3 in.) up to 176 x 250 mm (6.9 x 9.8 in.)</td>
<td>X</td>
<td>X</td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>

*When Universal is selected, the page is formatted for 216 x 356 mm (8.5 x 14 in.) unless the size is specified by the software program.
Paper types supported by the printer

Notes:

- Your printer model may have a 650-sheet duo drawer, which consists of a 550-sheet tray and an integrated 100-sheet multipurpose feeder. The 550-sheet tray part of the 650-sheet duo drawer supports the same paper as the optional 550-sheet tray. The integrated multipurpose feeder supports different paper sizes, types, and weights.
- The optional 550-sheet tray is not available for all printer models.

<table>
<thead>
<tr>
<th>Paper type</th>
<th>Standard 250-sheet tray</th>
<th>Optional 550-sheet tray</th>
<th>Multipurpose feeder</th>
<th>Manual feeder</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paper</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Card stock</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Transparencies*</td>
<td>✓</td>
<td>X</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Envelopes</td>
<td>X</td>
<td>X</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Paper labels</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>

* Lexmark transparency part numbers 12A8240 and 12A8241 are supported from the standard tray, manual feeder, and the multipurpose feeder.

Paper types and weights supported by the printer

Notes:

- Your printer model may have a 650-sheet duo drawer, which consists of a 550-sheet tray and an integrated 100-sheet multipurpose feeder. The 550-sheet tray part of the 650-sheet duo drawer supports the same paper as the optional 550-sheet tray. The integrated multipurpose feeder supports different paper sizes, types, and weights.
- The optional 550-sheet tray is not available for all printer models.
<table>
<thead>
<tr>
<th>Paper type</th>
<th>250-sheet tray</th>
<th>Optional 550-sheet tray</th>
<th>Multipurpose feeder</th>
<th>Manual feeder</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Light</strong>&lt;sup&gt;1, 2&lt;/sup&gt;</td>
<td>60 to 74.9 g/m² grain long (16 to 19.9 lb bond)</td>
<td>60 to 74.9 g/m² grain long (16 to 19.9 lb bond)</td>
<td>60 to 74.9 g/m² grain long (16 to 19.9 lb bond)</td>
<td>60 to 74.9 g/m² grain long (16 to 19.9 lb bond)</td>
</tr>
<tr>
<td><strong>Plain</strong>&lt;sup&gt;1, 2&lt;/sup&gt;</td>
<td>75 to 89.9 g/m² grain long (20 to 23.8 lb bond)</td>
<td>75 to 89.9 g/m² grain long (20 to 23.8 lb bond)</td>
<td>75 to 89.9 g/m² grain long (20 to 23.8 lb bond)</td>
<td>75 to 89.9 g/m² grain long (20 to 23.8 lb bond)</td>
</tr>
<tr>
<td><strong>Heavy</strong>&lt;sup&gt;1, 2&lt;/sup&gt;</td>
<td>90 to 104.9 g/m² grain long (23.9 to 27.8 lb bond)</td>
<td>90 to 104.9 g/m² grain long (23.9 to 27.8 lb bond)</td>
<td>90 to 104.9 g/m² grain long (23.9 to 27.8 lb bond)</td>
<td>90 to 104.9 g/m² grain long (23.9 to 27.8 lb bond)</td>
</tr>
<tr>
<td><strong>Cardstock</strong>&lt;sup&gt;1, 2&lt;/sup&gt;</td>
<td>105 to 176 g/m² grain long (27.8 to 47 lb bond)</td>
<td>105 to 176 g/m² grain long (27.8 to 47 lb bond)</td>
<td>105 to 176 g/m² grain long (27.8 to 47 lb bond)</td>
<td>105 to 176 g/m² grain long (27.8 to 47 lb bond)</td>
</tr>
<tr>
<td><strong>Glossy papers</strong></td>
<td><strong>Book</strong>—88 to 176 g/m² grain long (60 to 120 lb book)</td>
<td><strong>Book</strong>—88 to 176 g/m² grain long (60 to 120 lb book)</td>
<td><strong>Book</strong>—88 to 176 g/m² grain long (60 to 120 lb book)</td>
<td><strong>Book</strong>—88 to 176 g/m² grain long (60 to 120 lb book)</td>
</tr>
<tr>
<td></td>
<td><strong>Cover</strong>—162 to 176 g/m² grain long (60 to 65 lb cover)</td>
<td><strong>Cover</strong>—162 to 176 g/m² grain long (60 to 65 lb cover)</td>
<td><strong>Cover</strong>—162 to 176 g/m² grain long (60 to 65 lb cover)</td>
<td><strong>Cover</strong>—162 to 176 g/m² grain long (60 to 65 lb cover)</td>
</tr>
<tr>
<td><strong>Card stock—maximum (grain long)</strong>&lt;sup&gt;3&lt;/sup&gt;</td>
<td><strong>Index Bristol</strong>—120 g/m² (67 lb)</td>
<td><strong>Index Bristol</strong>—120 g/m² (67 lb)</td>
<td><strong>Index Bristol</strong>—120 g/m² (67 lb)</td>
<td><strong>Index Bristol</strong>—120 g/m² (67 lb)</td>
</tr>
<tr>
<td></td>
<td><strong>Tag</strong>—120 g/m² (74 lb)</td>
<td><strong>Tag</strong>—120 g/m² (74 lb)</td>
<td><strong>Tag</strong>—120 g/m² (74 lb)</td>
<td><strong>Tag</strong>—120 g/m² (74 lb)</td>
</tr>
<tr>
<td></td>
<td><strong>Cover</strong>—135 g/m² (50 lb)</td>
<td><strong>Cover</strong>—135 g/m² (50 lb)</td>
<td><strong>Cover</strong>—135 g/m² (50 lb)</td>
<td><strong>Cover</strong>—135 g/m² (50 lb)</td>
</tr>
<tr>
<td><strong>Card stock—maximum (grain short)</strong>&lt;sup&gt;1&lt;/sup&gt;</td>
<td><strong>Index Bristol</strong>—163 g/m² (90 lb)</td>
<td><strong>Index Bristol</strong>—163 g/m² (90 lb)</td>
<td><strong>Index Bristol</strong>—163 g/m² (90 lb)</td>
<td><strong>Index Bristol</strong>—163 g/m² (90 lb)</td>
</tr>
<tr>
<td></td>
<td><strong>Tag</strong>—163 g/m² (100 lb)</td>
<td><strong>Tag</strong>—163 g/m² (100 lb)</td>
<td><strong>Tag</strong>—163 g/m² (100 lb)</td>
<td><strong>Tag</strong>—163 g/m² (100 lb)</td>
</tr>
<tr>
<td></td>
<td><strong>Cover</strong>—176 g/m² (65 lb)</td>
<td><strong>Cover</strong>—176 g/m² (65 lb)</td>
<td><strong>Cover</strong>—176 g/m² (65 lb)</td>
<td><strong>Cover</strong>—176 g/m² (65 lb)</td>
</tr>
<tr>
<td><strong>Transparencies</strong>&lt;sup&gt;4&lt;/sup&gt;</td>
<td>170–180 g/m² (45 to 48 lb)</td>
<td>N/A</td>
<td>170–180 g/m² (45 to 48 lb)</td>
<td>170–180 g/m² (45 to 48 lb)</td>
</tr>
<tr>
<td><strong>Labels—maximum</strong>&lt;sup&gt;5&lt;/sup&gt;</td>
<td><strong>Paper</strong>—131 g/m² (35 lb bond)</td>
<td><strong>Paper</strong>—131 g/m² (35 lb bond)</td>
<td><strong>Paper</strong>—131 g/m² (35 lb bond)</td>
<td><strong>Paper</strong>—131 g/m² (35 lb bond)</td>
</tr>
</tbody>
</table>

<sup>1</sup> Paper types must be set to match the supporting paper weights.

<sup>2</sup> The duplex supports paper weights between 60–105 g/m² (16–28 lb) grain long bond. The duplex does not support card stock, transparencies, envelopes, or labels.

<sup>3</sup> For 60 to 176 g/m² (16 to 47 lb bond) paper, we recommend grain long fibers.

<sup>4</sup> Lexmark transparency part numbers 12A8240 and 12A8241 are supported from the 250-sheet tray, manual feeder, and multipurpose feeder.

<sup>5</sup> The pressure sensitive area must enter the printer first.

<sup>6</sup> 100 percent cotton content maximum weight is 90 g/m² (24 lb) bond.

<sup>7</sup> 105 g/m² (28 lb) bond envelopes are limited to 25 percent cotton content.
Paper capacities

Input capacities

Notes:

- Your printer model may have a 650-sheet duo drawer, which consists of a 550-sheet tray and an integrated 100-sheet multipurpose feeder. The 550-sheet tray part of the 650-sheet duo drawer supports the same paper as the optional 550-sheet tray. The integrated multipurpose feeder supports different paper sizes, types, and weights.

- The optional 550-sheet tray is not available for all printer models.

<table>
<thead>
<tr>
<th>Paper type</th>
<th>250-sheet tray</th>
<th>Optional 550-sheet tray</th>
<th>Multipurpose tray</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paper</td>
<td>250 sheets¹</td>
<td>550 sheets¹</td>
<td>100 sheets¹</td>
</tr>
<tr>
<td>Labels</td>
<td>100²</td>
<td>200²</td>
<td>50²</td>
</tr>
<tr>
<td>Transparencies</td>
<td>50</td>
<td>X</td>
<td>50</td>
</tr>
<tr>
<td>Envelopes</td>
<td>X</td>
<td>X</td>
<td>10</td>
</tr>
<tr>
<td>Other</td>
<td>X</td>
<td>X</td>
<td>Various quantities³</td>
</tr>
</tbody>
</table>

¹ Based on 75 g/m² (20 lb) paper
² Capacity varies depending on label material and construction.
³ Capacity varies depending on the weight and type of paper.

Output capacity

<table>
<thead>
<tr>
<th>Paper type</th>
<th>Standard output bin¹</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paper</td>
<td>100 sheets²</td>
</tr>
</tbody>
</table>

¹ Capacity may vary depending on media specifications and the printer operating environment.
² Based on 75 g/m² (20 lb) paper
This chapter covers printing, printer reports, and job cancellation. Selection and handling of paper and specialty media can affect how reliably documents print. For more information, see "Avoiding jams" and "Storing print media."

Printing a document

1. Load paper into a tray or feeder.
2. From the printer control panel Paper menu, set the Paper Type and Paper Size to match the loaded paper.
3. Do one of the following:

   For Windows users
   a. With a document open, click File > Print.
   b. Click Properties, Preferences, Options, or Setup, and then adjust the settings as needed.
      Note: To print on a specific size or type of paper, adjust the paper size or type settings to match the loaded paper, or select the appropriate tray or feeder.
   c. Click OK, and then click Print.

   For Macintosh users
   a. Customize the settings as needed in the Page Setup dialog:
      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:
      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.

Warning—Potential Damage: While printing, do not touch the metal shaft in the area where the printer ejects paper into the standard exit bin.
Printing on specialty media

Tips on using letterhead

Page orientation is important when printing on letterhead. Use the following table to determine which direction to load the letterhead:

<table>
<thead>
<tr>
<th>Source or process</th>
<th>Print side and paper orientation</th>
</tr>
</thead>
</table>
| • Standard 250-sheet tray  
• Optional 550-sheet tray  
• Simplex (one-sided) printing from trays | Printed letterhead design is placed faceup. The top edge of the sheet with the logo is placed at the front of the tray. |
| Duplex (two-sided) printing from trays | Printed letterhead design is placed facedown. The top edge of the sheet with the logo is placed at the back of the tray. |

**Note:** Check with the manufacturer or vendor to determine whether the chosen preprinted letterhead is acceptable for laser printers.
<table>
<thead>
<tr>
<th>Source or process</th>
<th>Print side and paper orientation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manual feeder (simplex printing)</td>
<td>Preprinted letterhead design is placed facedown. The top edge of the sheet with the logo should enter the manual feeder first.</td>
</tr>
<tr>
<td>Multipurpose feeder</td>
<td></td>
</tr>
<tr>
<td>Manual feeder (duplex printing)</td>
<td>Preprinted letterhead design is placed faceup. The top edge of the sheet with the logo should enter the manual feeder last.</td>
</tr>
<tr>
<td>Multipurpose feeder</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** Check with the manufacturer or vendor to determine whether the chosen preprinted letterhead is acceptable for laser printers.

### Tips on using transparencies

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

When printing on transparencies:

- Feed transparencies from the 250-sheet tray, manual feeder, or optional multipurpose feeder.
- Use transparencies designed specifically for laser printers. Check with the manufacturer or vendor to ensure transparencies are able to withstand temperatures up to 200°C (392°F) without melting, discoloring, offsetting, or releasing hazardous emissions.
- To prevent print quality problems, avoid getting fingerprints on the transparencies.
- Before loading transparencies, fan the stack to prevent sheets from sticking together.
- We recommend Lexmark part number 12A8240 for letter-size transparencies and Lexmark part number 12A8241 for A4-size transparencies.
Tips on using envelopes

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

When printing on envelopes:

- Feed envelopes from the manual feeder or optional multipurpose feeder.
- Set the Paper Type to Envelope, and select the envelope size.
- Use envelopes designed specifically for laser printers. Check with the manufacturer or vendor to ensure the envelopes can withstand temperatures up to 200°C (392°F) without sealing, wrinkling, curling excessively, or releasing hazardous emissions.
- For the best performance, use envelopes made from 60 g/m² (16 lb bond) paper. Use up to 105 g/m² (28 lb bond) weight for envelopes as long as the cotton content is 25% or less. All-cotton envelopes must not exceed 90 g/m² (24 lb bond) weight.
- Use only new envelopes.
- 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 the high printing temperature may wrinkle or seal envelopes.

Tips on using paper labels

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

Note: Use only paper label sheets.

When printing on labels:

- From MarkVision Professional, the printer software, or the printer control panel, set the Paper Type to Labels.
- Use only letter-, A4-, or legal-size label sheets.
- Use labels designed specifically for laser printers. Check with the manufacturer or vendor to verify that:
  - The labels can withstand temperatures up to 200°C (392°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:
• From MarkVision Professional, the printer software, or the printer control panel:
  1 Set the Paper Type to Card Stock.
  2 Set the Paper Weight to Card Stock Weight.
  3 Set the Card Stock Weight to Normal or Heavy.
• 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 200°C (392°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 from a flash drive

A USB port is located on the printer control panel. Insert a flash drive to print supported file types.

Notes:

- When a USB flash drive is inserted into the printer, the printer can only scan to the flash drive or print files from the flash drive. All other printer functions are unavailable.
- 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.

To print from a flash drive:

1. Make sure the printer is on and Ready or Busy appears.
2. Insert a flash drive into the USB port.

3. Press the arrow button until the document you want to print appears, and then press OK.

   Note: Folders found on the flash drive appear with a + in front of the folder (for example, + documents). File names are appended by the extension type (for example, .jpg).

4. Press OK to print one copy, or enter the number of copies using the keypad, and then press OK to initiate the print job.

   Note: Do not remove the flash drive from the USB port until the document has finished printing.
Supported flash drives and file types

<table>
<thead>
<tr>
<th>Flash drive</th>
<th>File type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lexar JumpDrive 2.0</td>
<td>Documents:</td>
</tr>
<tr>
<td>Pro (256 MB, 512 MB, or 1G sizes)</td>
<td>• .pdf</td>
</tr>
<tr>
<td>SanDisk Cruzer Mini (256 MB, 512 MB,</td>
<td>• .pcx</td>
</tr>
<tr>
<td>or 1G sizes);</td>
<td>• .xps</td>
</tr>
<tr>
<td></td>
<td>• .dcx</td>
</tr>
</tbody>
</table>

Notes:
- Hi-Speed USB flash drives must support the Full-speed standard. Devices supporting only USB Low-speed capabilities are not supported.
- USB flash drives must support the FAT (File Allocation Tables) system. Devices formatted with NTFS (New Technology File System) or any other file system are not supported.

Printing photos from a PictBridge-enabled digital camera

You can connect a PictBridge-enabled digital camera to the printer, and use the buttons on the camera to select and print photos.

1 Insert one end of the USB cable into the camera.
   
   **Note:** Use only the USB cable that came with your camera.

2 Insert the other end of the USB cable into the USB port on the front of the printer.

   ![USB cable connected to printer](image)

Notes:
- Make sure the PictBridge-enabled digital camera is set to the correct USB mode. See the camera documentation for more information.
- If the PictBridge connection is successful, then a confirmation message appears on the printer display.

3 Follow the instructions on the camera to select and print photos.

**Note:** If the printer is turned off while the camera is connected, then you must disconnect and then reconnect the camera.
Printing information pages

For more information on printing these pages, see “Printing menu settings pages” on page 33 and “Printing a network setup page” on page 33.

Printing a font sample list

To print samples of the fonts currently available for your printer:

1. Make sure the printer is on and Ready appears.
2. From the printer control panel, press .
3. Press the arrow buttons until Reports appears, and then press .
4. Press the arrow buttons until Print Fonts appears, and then press .
5. Press the arrow buttons until PCL Fonts, PostScript Fonts, or PPDS Fonts appears, and then press .

After the font sample list prints, Ready appears.

Printing a directory list

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

1. Make sure the printer is on and Ready appears.
2. From the printer control panel, press .
3. Press the arrow buttons until Reports appears, and then press .
4. Press the arrow buttons until Print Directory appears, and then press .

After the directory list prints, Ready appears.

Printing the print quality test pages

Print the print quality test pages to isolate print quality problems.

1. Turn the printer off.
2. Hold down and the right arrow button while turning the printer on.
4. Press the arrow buttons until PRINT квар Tex appears, and then press .

The print quality test pages print.
5. Press the arrow buttons until Exit Config Menu appears, and then press .

Resetting the Printer appears briefly, and then Ready appears.
Canceling a print job

Canceling a print job from the printer control panel

1. Press \(^\text{X}\).
   Stopping . . . appears, followed by Cancel Print Job.

2. Press \(^\text{OK}\).
   Canceling appears.

Canceling a print job from the computer

To cancel a print job, do one of the following:

**For Windows users**

1. Click \(^\text{Start}\), or click \(^\text{Start}\) and then click \(^\text{Run}\).
2. In the Start Search or Run box, type control printers.
3. Press Enter, or click OK.
   The printer folder opens.
4. Double-click the printer icon.
5. Select the job to cancel.
6. From the keyboard, press Delete.

From the Windows taskbar:

When you send a job to print, a small printer icon appears in the right corner of the taskbar.

1. Double-click the printer icon.
   A list of print jobs appears in the printer window.
2. Select a job to cancel.
3. From the keyboard, press Delete.

**For Macintosh users**

In Mac OS X version 10.5 or later:

1. From the Apple menu, choose System Preferences.
2. Click Print & Fax, and then double-click the printer icon.
3. From the printer window, select the job to cancel.
4. From the icon bar at the top of the window, click the Delete icon.

In Mac OS X version 10.4 and earlier:

1. From the Go menu, choose Applications.
2. Double-click Utilities, and then double-click Print Center or Printer Setup Utility.
3 Double-click the printer icon.

4 From the printer window, select the job to cancel.

5 From the icon bar at the top of the window, click the Delete icon.
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 If you are loading a document into the ADF, adjust the paper guides.

3 From the printer control panel, press for a black only copy or for a color copy.

   Note: If a Lexmark™ Document Solutions Suite (LDSS) profile has been installed, then you may receive an error when attempting a quick copy. Contact your system support person for access.

4 If you placed the document on the scanner glass and have additional pages to copy, then place the next page on the scanner glass, and then press 1 on the numeric keypad. Otherwise, press 2 on the numeric keypad.

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 printer control panel, press the **Copy** button, or use the keypad to enter the number of copies.

4 Change the copy settings as needed.

5 From the printer control panel, press for a black only copy or for a color copy.

**Copying using the scanner glass**

1 Place an original document facedown on the scanner glass in the upper left corner.

2 From the printer control panel, press the **Copy** button, or use the keypad to enter the number of copies.

3 Change the copy settings as needed.

4 From the printer control panel, press for a black only copy or for a color copy.

5 Place the next document on the scanner glass, and then press on the numeric keypad. Otherwise, press on the numeric keypad.

**Copying photos**

1 Place a photo facedown on the scanner glass in the upper left corner.

2 From the printer control panel, press the **Copy** button.

3 Press the **Content** button until the light next to **Photo** comes on.

4 Change the copy settings as needed.

5 From the printer control panel, press for a black only copy or for a color copy.

6 Place the next document on the scanner glass, and then press on the numeric keypad. Otherwise, press on the numeric keypad.

**Copying on specialty media**

**Copying to 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 printer control panel, press the **Copy** button.

4 From the Copy area, press the **Options** button.

5 Press the arrow buttons until **Paper Source** appears, and then press.

6 Press the arrow buttons until the tray or source containing the transparencies appears, and then press.

7 Change the copy settings as needed.
Press [ ] for a black only copy or [ ] for a color copy.

9 If you placed the document on the scanner glass and have additional pages to copy, then place the next page on the scanner glass, and then press 1 on the numeric keypad. Otherwise, press 2 on the numeric keypad.

Copying to 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 printer control panel, press the Copy button.

4 From the Copy area, press the Options button.

5 Press the arrow buttons until Paper Source appears, and then press [ ].

6 Press the arrow buttons until the tray or source containing the letterhead appears, and then press [ ].

7 Change the copy settings as needed.

8 Press [ ] for a black only copy or [ ] for a color copy.

9 If you placed the document on the scanner glass and have additional pages to copy, then place the next page on the scanner glass, and then press 1 on the numeric keypad. Otherwise, press 2 on the numeric keypad.

Customizing copy settings

Copying from one size to another

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 printer control panel, press the Copy button.

4 From the Copy area, press the Options button.

   Original Size appears.

5 Press [ ].

6 Press the arrow buttons until the size of the original document appears, and then press [ ].

7 Press the arrow buttons until Paper Source appears, and then press [ ].

8 Press the arrow buttons until the tray or source containing the size you want the copy to be appears, and then press [ ].

   Note: If you select a paper size that is different from the original size, then the printer will scale the size automatically.
9 Change the copy settings as needed.

10 Press  for a black only copy or  for a color copy.

11 If you placed the document on the scanner glass and have additional pages to copy, then place the next page on the scanner glass, and then press 1 on the numeric keypad. Otherwise, press 2 on the numeric keypad.

12 Press  to return to the Ready state.

Making copies using paper from a selected tray

During the copy process, you can select the tray that contains the paper type of choice. For example, if specialty media is loaded in the multipurpose feeder, and you want to make copies on that media:

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 printer control panel, press the Copy button.

4 From the Copy area, press the Options button.

5 Press the arrow buttons until Paper Source appears, and then press .

6 Press the arrow buttons until the tray or source containing the media you want the copy to be on appears, and then press .

7 Change the copy settings as needed.

8 Press  for a black only copy or  for a color copy.

9 If you placed the document on the scanner glass and have additional pages to copy, then place the next page on the scanner glass, and then press 1 on the numeric keypad. Otherwise, press 2 on the numeric keypad.

10 Press  to return to the Ready state.

Copying on both sides of the paper (duplexing)

**Note:** The duplex feature is not available on selected printer models.

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 printer control panel, press the Copy button.

4 Press the Duplex/2-Sided button.

5 Press the arrow buttons until 1 To 2 Sided appears, and then press .

   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.
6 Press \( \square \) for a black only copy or \( \square \) for a color copy.

7 If you placed the document on the scanner glass and have additional pages to copy, then place the next page on the scanner glass, and then press 1 on the numeric keypad. Otherwise, press 2 on the numeric keypad.

**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, then 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 From the printer control panel, press the **Copy** button.

4 Press the **Scale** button.

5 Press the arrow buttons until the scale option you want appears, and then press \( \square \).

   If you selected Custom then do the following:

   a Press the arrow buttons to decrease or increase the size, or enter a number between 25 and 400 on the numeric keypad.

   b Press \( \square \).

6 Press \( \square \) for a black only copy or \( \square \) for a color copy.

7 If you placed the document on the scanner glass and have additional pages to copy, then place the next page on the scanner glass, and then press 1 on the numeric keypad. Otherwise, press 2 on the numeric keypad.

**Making a copy 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 printer control panel, press the **Copy** button.

4 Press the **Darkness** button.

5 Press the arrow buttons to make the copy lighter or darker.

6 Press \( \square \).

7 Press \( \square \) for a black only copy or \( \square \) for a color copy.

8 If you placed the document on the scanner glass and have additional pages to copy, then place the next page on the scanner glass, and then press 1 on the numeric keypad. Otherwise, press 2 on the numeric keypad.
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 printer control panel, press the Copy button.

4 Press the Content button until the light comes on next to the setting that best represents what you are copying:
   - Text—Used for original documents that are mostly text or line art
   - Text/Photo—Used when the original documents are a mixture of text and graphics or pictures
   - Photo—Used when the original document is a high-quality photograph or inkjet print

5 Press for a black only copy or for a color copy.

6 If you placed the document on the scanner glass and have additional pages to copy, then place the next page on the scanner glass, and then press 1 on the numeric keypad. Otherwise, press 2 on the numeric keypad.

7 Press to return to the Ready state.

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.

To turn collation 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 printer control panel, press the Copy button.

4 From the Copy area, press the Options button.

5 Press the arrow buttons until Collate appears, and then press .

6 Press the arrow buttons until Off [1, 1, 2, 2, 2] appears, and then press .

7 Press for a black only copy or for a color copy.

8 If you placed the document on the scanner glass and have additional pages to copy, then place the next page on the scanner glass, and then press 1 on the numeric keypad. Otherwise, press 2 on the numeric keypad.
Placing separator sheets between copies

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 print a network setup page and locate the address in the TCP/IP section.

2 Click **Settings**.

3 Click **Copy Settings**.

4 Click **Separator Sheets**.
   
   **Note:** Collation must be On for the separator sheets to be placed between copies. If Collation is Off, then the separator sheets are added to the end of the print job.

5 Select one of the following:
   
   • Between pages
   • Between copies
   • Between jobs

6 Click **Submit**.

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 B5 JIS.
• 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 printer control panel, press the **Copy** button.

4 From the Copy area, press the **Options** button.

5 Press the arrow buttons until **Paper Saver** appears, and then press 

6 Select the output you want.
   
   For example, if you have four portrait-oriented original documents that you want copied to the same side of one sheet, stop at **4 on 1 Portrait**, and then press 

7 Press 
   for a black only copy or 
   for a color copy.

8 If you placed the document on the scanner glass and have additional pages to copy, then place the next page on the scanner glass, and then press 1 on the numeric keypad. Otherwise, press 2 on the numeric keypad.
Canceling a copy job

A copy job can be canceled when the document is in the ADF, on the scanner glass, or while the document is printing. To cancel a copy job:

1. From the printer control panel, press \[\text{X}\].
   
   **Stopping** appears, followed by **Cancel Job**.

2. Press \[\text{X}\] to cancel the job.

   **Note:** If you want to continue to process the job, then press \[\text{Continue}\] to continue copying.

   **Canceling** appears.

The printer clears all pages in the ADF or printer and then cancels the job. Once the job is canceled, the copy screen appears.

Improving copy quality

<table>
<thead>
<tr>
<th>Question</th>
<th>Tip</th>
</tr>
</thead>
</table>
| When should I use Text mode?    | • Use text mode when text preservation is the main goal of the copy, and preserving images copied from the original document is not a concern.  
• Text mode is recommended for receipts, carbon copy forms, and documents that contain only text or fine line art. |
| When should I use Text/Photo mode? | • Use Text/Photo mode when copying an original document that contains a mixture of text and graphics.  
• Text/Photo mode is recommended for magazine articles, business graphics, and brochures. |
| When should I use Photograph mode? | Use Photograph mode when the original document is a high-quality photograph or inkjet print. |
# E-mailing

## Setting up the e-mail function

For e-mail to operate, it must be turned on in the printer settings and have a valid IP address or gateway address. To set up the e-mail function:

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 print a network setup page and locate the address in the TCP/IP section.

2. Click **Settings**.

3. Click **E-mail/FTP Settings**.

4. Click **E-mail Server Setup**.

5. Change the e-mail settings as needed.

6. Click **Submit**.

---

<table>
<thead>
<tr>
<th>ADF</th>
<th>Scanner glass</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use the ADF for multiple-page documents.</td>
<td>Use the scanner glass for single pages, small items (such as postcards or photos), transparencies, photo paper, or thin media (such as magazine clippings).</td>
</tr>
</tbody>
</table>

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

For e-mail to operate, it must be turned on in the printer settings and have a valid IP address or gateway address. To set up the e-mail function:

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 print a network setup page and locate the address in the TCP/IP section.

2. Click **Settings**.

3. Click **E-mail/FTP Settings**.

4. Click **E-mail Server Setup**.

5. Change the e-mail settings as needed.

6. Click **Submit**.
Setting up the address book

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 print a network setup page and locate the address in the TCP/IP section.

2 Click Settings.

3 Click E-mail/FTP Settings.

4 Click Manage E-mail Shortcuts.

5 Change the e-mail settings as needed.

6 Click Submit.

Creating an e-mail shortcut using the Embedded Web Server

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 print a network setup page and locate the address in the TCP/IP section.

2 Click Settings.

3 Click Manage Destinations.
   
   Note: You may be asked to enter a password. If you do not have an ID and password, get one from your system support person.

4 Click E-mail Destination Setup.

5 Type a unique name for the recipient, and then enter the e-mail address.
   
   Note: If you are entering multiple addresses, separate each address with a comma (,).

6 Select the scan settings (Format, Content, Color, and Resolution).

7 Enter a shortcut number, and then click Add.
   
   If you enter a number that is already in use, you are prompted to select another number.

E-mailing a document

Sending an e-mail using the keypad

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 printer control panel, press the Scan/Email button.
   
   Scan to E-mail appears.
4 Press \(\sqrt{\text{ }}\).

Search or Manual Entry appears.

Note: If there are no entries in the address book, then Manual Entry appears.

5 Press \(\sqrt{\text{ }}\) to search the address book or press the arrow buttons until Manual appears, and then press \(\sqrt{\text{ }}\) to select or enter an e-mail address.

Using the address book

a After selecting Search on the printer control panel, press the arrow buttons until the address you want appears, and then press \(\sqrt{\text{ }}\).

b Press 1 to search for another address or press 2 to end the search.

After you press 2, Press Start To Begin appears.

c Press \(\sqrt{\text{ }}\) to send a black only copy or \(\sqrt{\text{ }}\) to send a color copy.

Manually entering an e-mail address

After selecting Manual on the printer control panel, Entry Name appears on the first line and a blank line with a blinking cursor appears on the second line.

a Press the button on the numeric keypad that corresponds with the number or letter you want. The first time you press the button, the number for that button appears. When you press the button again, one of the letters assigned to that button appears.

b Press the right arrow button to move to the next space, or wait a few seconds and the cursor will move to the next space.

c Once the e-mail address is entered, press \(\sqrt{\text{ }}\).

Another E-mail? 1=Yes 2=NO appears.

d Press 1 to enter another address, or press 2 to end the address entry.

After you press 2, Press Start To Begin appears.

e Press \(\sqrt{\text{ }}\) to send a black only copy or \(\sqrt{\text{ }}\) to send a color copy.

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 From the printer control panel, press the Scan/Email button.

   Scan to E-mail appears.

4 Press \(\sqrt{\text{ }}\).

   Search appears.

   Note: If there are no entries in the address book, Manual Entry appears.

5 Press \(\#\), and then enter the recipient's shortcut number.
6 Press 1 to enter another shortcut or press 2 to end the shortcut entry. After you press 2, Press Start To Begin appears.

7 Press ▶ to send a black only e-mail or ◀ to send a color e-mail.

**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 printer control panel, press the Scan/Email button.

   Scan to E-mail appears.

4 Press ▶.

   Search appears.

   Note: If there are no entries in the address book, Manual Entry appears.

5 Press ▶ to search the address book.

6 Press the arrow buttons until the address you want appears, and then press ▶.

7 Press 1 to search for another address or press 2 to end the search.

   After you press 2, Press Start To Begin appears.

8 Press ▶ to send a black only copy or ◀ to send a color copy.

**Canceling an e-mail**

An e-mail can be canceled when the document is in the ADF or on the scanner glass. To cancel an e-mail:

1 From the printer control panel, press X.

   Stopping appears, and then Cancel Job appears.

2 Press X to cancel the job.

   Note: If you want to continue to process the job, press ◀ to continue scanning the e-mail.

   Canceling appears.

The printer clears all pages in the ADF and then cancels the job. Once the job is canceled, the copy screen appears.
Faxing

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

The following connection methods may not be applicable in all countries or regions.

⚠ **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.

**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:

- Station Name
- Station Number

1. **When Station Name appears**, enter the name to be printed on all outgoing faxes.
   
   - Press the button on the numeric keypad that corresponds with the number or letter you want. The first time you press the button, the number for that button appears. When you press the button again, one of the letters assigned to that button appears.
   
   - Press the right arrow button to move to the next space, or wait a few seconds and the cursor will move to the next space.

2. **After entering the Station Name**, press 🅰️.
   
   The display changes to Station Number.
3 When Station Number appears, enter the printer fax number.
   a Press the button on the numeric keypad that corresponds with the number you want.
   b Press the right arrow button to move to the next space, or wait a few seconds and the cursor will move to the next space.

4 After entering the Station Number, press [✓].

Using the Embedded Web Server for fax setup

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 print a network setup page and locate the address in the TCP/IP section.

2 Click Settings.

3 Click Fax Settings.

4 Click Analog Fax Setup.

5 Click inside the Station Name box, and then enter the name to be printed on all outgoing faxes.

6 Click inside the Station Number box, and then enter the printer fax number.

7 Click Submit.

Choosing a fax connection

You can connect the printer with equipment such as a telephone, an answering machine, or a computer modem. To determine the best way to set up the printer, see the following table.

Notes:

- The printer is an analog device that works best when directly connected to the 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, 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.

<table>
<thead>
<tr>
<th>Equipment and service options</th>
<th>Fax connection setup</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connect directly to the telephone line</td>
<td>See “Connecting to an analog telephone line” on page 89</td>
</tr>
<tr>
<td>Connect to a Digital Subscriber Line (DSL or ADSL) service</td>
<td>See “Connecting to a DSL service” on page 89.</td>
</tr>
<tr>
<td>Connect to a Private Branch eXchange (PBX) or Integrated Services Digital Network (ISDN) system</td>
<td>See “Connecting to a PBX or ISDN system” on page 90.</td>
</tr>
<tr>
<td>Use a Distinctive Ring service</td>
<td>See “Connecting to a Distinctive Ring Service” on page 90.</td>
</tr>
<tr>
<td>Connect to a telephone line, telephone, and answering machine</td>
<td>See “Connecting a telephone or answering machine to the same telephone line” on page 91</td>
</tr>
</tbody>
</table>
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 top LINE port on the back of the printer.
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 top LINE port on the back of the printer.
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 top LINE port on the back of the printer.
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, 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 phone numbers on one telephone line with each phone 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, follow these steps to connect the equipment:

1. Connect one end of the telephone cable that came with the printer to the top LINE port on the back of the printer.
2. Connect the other end of the telephone cable to an active analog telephone wall jack.
3. Change the distinctive ring setting to match the setting you want the printer to answer.
   a. From the printer control panel, press 
   b. Press the arrow buttons until Settings appears, and then press .
   c. Press the arrow buttons until Fax Settings appears, and then press .
   d. Press the arrow buttons until Distinctive Rings appears, and then press .
   e. Press the arrow buttons until the desired ring tone appears, and then press .
Connecting a telephone or answering machine to the same telephone line

1. Remove the plug from the bottom EXT port on the back of the printer.

2. Connect your telecommunications equipment directly to the bottom EXT port on the back of the printer.
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 wall outlet.

**Country/region**

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

**Countries or regions except Germany**

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.
There is a plug installed in the bottom EXT port of the printer. This plug is necessary for the proper functioning of the adapter.

Note: Do not remove the plug if you have a serial phone system or wish to connect a phone or answering machine to the adapter. If you remove it, then other telecommunications devices in your home (such as telephones or answering machines) may not work.

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

Note: Your telephone adapter may look different than the one shown. It will fit the telephone jack used in your location.
3 Connect the answering machine or telephone to the adapter
Germany

There is a plug installed in the bottom EXT port of the printer. This plug is necessary for the proper functioning of the fax function and the proper operation of downstream phones.

Note: Do not remove the plug. If you remove it, then other telecommunications devices in your home (such as telephones or answering machines) may not work.

1. Connect one end of the telephone cable that came with the printer to the top LINE port on the back of the printer.

2. Connect the other end of the telephone cable to the adapter, and then connect the adapter to the N slot of an active analog telephone wall jack.

Note: Your telephone adapter may look different than the one shown. It will fit the telephone jack used in your location.
3 If you would like to use the same line for both fax and telephone communication, then connect a second telephone line (not provided) between the telephone and the F slot of an active analog telephone wall jack.
If you would like to use the same line for recording messages on your answering machine, then connect a second telephone line (not provided) between the answering machine and the other N slot of the active analog telephone wall jack.

Connecting to a computer with a modem

Connect the printer to a computer with a modem to send faxes from the software program.

**Note:** Setup steps may vary depending on your country or region.

1. Make sure you have the following:
   - A telephone
   - A computer with a modem
   - Three telephone cords
   - A telephone wall jack

2. Connect a telephone cord into the top LINE port of the printer, and then plug it into an active telephone wall jack.
3 Remove the protective plug from the bottom EXT port of the printer.

4 Connect a second telephone cord from the telephone to the computer modem.
   
   **Note:** Refer to the manual that came with your computer for the telephone connections.

5 Connect a third telephone cord from the computer modem to the bottom EXT port of the printer.
Setting the outgoing fax name and number

To have the designated fax name and fax number printed on outgoing faxes:

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 print a network setup page and locate the address in the TCP/IP section.

2. Click Settings.

3. Click Fax Settings.

4. Click Analog Fax Setup.

5. Click inside the Station Name box, and then enter the name to be printed on all outgoing faxes.

6. Click inside the Station Number box, and then enter the printer fax number.

7. 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, you may have to reset the date and time. To set the date and time:

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 print a network setup page and locate the address in the TCP/IP section.

2. Click Settings.

3. Click Set Date and Time.

4. Click inside the Set Date & Time box, and then enter the current date and time.

5. Click Submit.

Turning daylight saving time on or off

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

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 print a network setup page and locate the address in the TCP/IP section.

2. Click Settings.

3. Click Set Date and Time.

4. In the Daylight Savings box, click on one of the following:
   
   Yes turns daylight saving on.
   No turns daylight saving off.

5. Click Submit.
Sending a fax

Sending a fax using the printer control panel

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 printer control panel, press the Fax button.
   To: appears on the first line, and the time and date appear on the second line.
4 Enter the fax number, and then press .
   Notes:
   • To place a dial pause within a fax number, press the Redial/Pause button. The dial pause appears as a comma on the Fax to: line. Use this feature if you need to dial an outside line first.
   • Press to move the cursor to the left and delete a number.
   • To use a fax shortcut, press , and then press the arrow buttons until the fax shortcut you want appears. Then, press.
5 Press 1 to enter another fax number, or press 2 to end fax number entry.
6 Press to send a black only fax or to send a color fax.

Sending a fax using the computer

Faxing from a computer lets you send electronic documents without leaving your desk. This gives you the flexibility of faxing documents directly from software programs.

For Windows users

Notes:
• In order to perform this function from your computer, you must use the PostScript printer driver for your printer.
• Verify that the fax option is installed in the printer driver.
1 With a file open, click File > Print.
2 Click Properties, Preferences, Options, or Setup.
3 Click the Other Options tab, and then click Fax.
4 On the Fax screen, type the name and number of the fax recipient.
5 Click OK, and then click OK again.
6 Click OK.
For Mac OS X version 10.2 and 10.3 users
1 With a document open, choose File > Print.
2 From the print options pop-up menu, choose Job Routing.
3 Select Fax, and then enter the recipient name, number, and other information as needed.
4 Click Print.

For Mac OS X version 10.4 or later users
1 With a document open, choose File > Print.
2 From the PDF pop-up menu, choose Fax PDF.
3 Type the fax number in the To field, and enter other information as needed.
4 Click Fax.

If you receive an error, "No fax modems were found", follow these directions to add your printer as a fax:
   a From the Printer pop-up menu, choose Add Printer.
   b Select the printer from the dialog that appears.
   c From the Print Using pop-up menu, choose Select a driver to use.
   d From the list, choose your printer fax model, and then click Add.

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. You can create a shortcut 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.
   Note: If you do not know the IP address of the printer, then print a network setup page and locate the address in the TCP/IP section.
2 Click Settings.
3 Click Manage Destinations.
   Note: A password may be required. If you do not have an ID and password, get one from your system support person.
4 Click Fax Shortcut Setup.
5 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 (;).
6 Assign a shortcut number.
   If you enter a number that is already in use, you are prompted to select another number.

7 Click Add.

Creating a fax destination shortcut using the printer control panel

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 printer control panel, press the **Fax** button.
   **To:** appears on the first line, and the time and date appear on the second line.

4 Press .
   **Address Book Search** appears.

5 Press the arrow buttons until **Add** appears, and then press .

6 Press the arrow buttons until **Enter Fax Number** appears, and then press .

7 Enter the fax number, and then press .

8 Press 1 to enter another fax number, or press 2 to end fax number entry.

9 After selecting 2=NO, **Enter Name** appears.
   a Press the button on the keypad that corresponds with the letter you want. The first time you press the button, the number for that button appears. When you press the button again, one of the letters assigned to that button appears.
   b Press the right arrow button to move to the next space, or wait a few seconds and the cursor will move to the next space.
   c Once the fax name is entered, press .
      **Save as Shortcut** appears.
   d Enter the shortcut number, and then press .
Using shortcuts and the address book

Using fax destination shortcuts

Fax destination shortcuts are just like the speed dial numbers on a telephone or fax machine. You can assign shortcut numbers when creating permanent fax destinations. Permanent fax destinations or speed dial numbers are created in the Manage Destinations link located under the Configuration tab on the Embedded Web Server. A shortcut number (1–99999) can contain a single recipient or multiple recipients. By creating a group fax destination with a shortcut number, you can quickly and easily fax broadcast information to an entire group.

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 

   **Enter Shortcut:** appears.

4 Enter the shortcut number.

5 Press to send a black only fax or to send a color fax.

Using the address book

**Note:** If the address book feature is not enabled, contact your system support person.

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 printer control panel, press the Fax button.

   **To:** appears on the first line, and the time and date appear on the second line.

4 Press , and then press the arrow buttons until the fax number you want appears. Then, press .

Customizing fax settings

Changing the fax resolution

Adjusting the resolution setting changes the quality of the fax. 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 Fax area of the printer control panel, press the **Resolution** area.
4 Press the arrow buttons until the resolution value you want appears, and then press √.
5 Press ◆ to send a black only copy or ◆ to send a color copy.

**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 printer control panel, press the **Darkness** button.
4 Press the arrow buttons to make the fax lighter or darker.
5 Press √.
6 Press ◆ to send a black only fax or ◆ to send a color fax.

**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 printer control panel, press the **Fax** button.
   
   **To:** appears on the first line, and the time and date appear on the second line.
4 Enter the fax number, and then press √.
5 From the Fax area, press the **Options** button.
6 Press the arrow buttons until **Delayed** Send **appears**, and then press √.
   
   **Set Send Time** appears on the first line, and **HH:MM** with a blinking cursor appears on the second line.
7 Using the numeric keypad, enter the time you want to send the fax. After you enter the time, the cursor moves to the AM or PM field if the printer clock is set to **12 Hour** format. Press the arrow buttons to change from AM to PM or PM to AM.
8 Press √.
   
   **Set Send Date** appears on the first line, and **MM-DD-YYYY** with a blinking cursor appears on the second line.
9 Using the numeric keypad, enter the date you want to send the fax.
10 Press √.
11 Press ◆ to send a black only fax or ◆ to send a color fax.
**Viewing a fax log**

1. Open a Web browser.
2. In the address bar, type the IP address of the printer, and then press **Enter**.
3. Click **Reports**.
4. Click **Fax Settings**.
5. Click **Fax Job Log** or **Fax Call Log**.

**Canceling an outgoing fax**

A fax can be canceled when the document is in the ADF or on the scanner glass. To cancel a fax:

1. From the printer control panel, press `×`.
   
   **Stopping** appears, and then **Cancel Job** appears.
2. Press `×` to cancel the job.

   **Note:** If you want to continue to process the job, press `☑` to resume scanning the fax.

   **Canceling** appears.

The printer clears all pages in the ADF and then cancels the job.

**Understanding fax options**

**Original Size**

This option lets you choose the size of the documents you are going to fax.

1. From the Fax area of the printer control panel, press the **Options** button.
   
   **Original Size** appears.
2. Press `☑`.
3. Press the arrow buttons until the size of the original document appears, and then press `☑`.

**Content**

This option tells the printer the original document type. Choose from Text, Text/Photo, or Photo. Content affects the quality and size of your scan.

- **Text**—Emphasizes sharp, black, high-resolution text against a clean, white background
- **Text/Photo**—Used when the original documents are a mixture of text and graphics or pictures
- **Photograph**—Tells the scanner to pay extra attention to graphics and pictures. This setting increases the time it takes to scan, but emphasizes a reproduction of the full dynamic range of tones in the original document. This increases the amount of information saved.
Sides (Duplex)

This option informs the printer if the original document is simplex (printed on one side) or duplex (printed on both sides). This lets the scanner know what needs to be scanned for inclusion in the fax.

Note: Duplex scanning is not available on selected printer models.

Resolution

This option 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**—Recommended for documents with small print
- **Super fine**—Recommended for original documents with fine detail

Darkness

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

Improving fax quality

<table>
<thead>
<tr>
<th>Question</th>
<th>Tip</th>
</tr>
</thead>
</table>
| When should I use Text mode?     | • Use Text mode when text preservation is the main goal of the fax, and preserving images copied from the original document is not a concern.  
• Text mode is recommended for faxing receipts, carbon copy forms, and documents that contain only text or fine line art. |
| When should I use Text/Photo mode? | • Use Text/Photo mode when faxing an original document that contains a mixture of text and graphics.  
• Text/Photo mode is recommended for magazine articles, business graphics, and brochures. |
| When should I use Photo mode?    | Use Photo mode when faxing photos printed on a laser printer or taken from a magazine or newspaper. |

Forwarding a fax

This option lets you print and forward received faxes to a fax number.

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 print a network setup page and locate the address in the TCP/IP section.

2. Click **Settings**.

3. Click **Fax Settings**.

4. Click **Analog Fax Setup**.
5 Click inside the Fax Forwarding box, and then select one of the following:
   • Print
   • Print and Forward
   • Forward

6 From the Forward to list, select Fax.

7 Click inside the Forward to Shortcut box, and then enter the shortcut number where you want the fax forwarded.
   
   **Note:** The shortcut number must be a valid shortcut number for the setting that was selected in the “Forward to” box.

8 Click Submit.
Scanning to an FTP address

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, or it is listed as a profile under the Held Jobs icon. An FTP destination could also be another PostScript printer; for example, a color document can be scanned and then sent to a color printer. Sending a document to an FTP server is similar to sending a fax. The difference is that you are sending the information over your network instead of over the phone line.

Scanning to an FTP address

Scanning to an FTP address using the keypad

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 printer control panel, press the **Scan/Email** button.

4 Press the arrow buttons until FTP appears, and then press  

5 Type the FTP address.

6 Press  to send a black-only copy or  to send a color copy.
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 From the printer control panel, press the Scan/Email button.

4 Press the arrow buttons until FTP appears, and then press .

5 Press #, and then enter the recipient’s shortcut number.

6 Press 1 to enter another shortcut or press 2 to end the shortcut entry.
   
   After you press 2, **Press Start To Begin** appears.

7 Press to send a black-only copy or to send a color copy.

Creating an FTP shortcut using the Embedded Web Server

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 print a network setup page and locate the IP address in the TCP/IP section.

2 Click Settings.

3 Under Other Settings, click Manage Destinations.
   
   **Note:** A password may be required. If you do not have an ID and password, then contact your system support person.

4 Click FTP Shortcut Setup.

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, you are prompted to select another number.
Scanning to a computer or USB flash memory device

The scanner lets you scan documents directly to a computer or a USB flash memory device. 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.

**Note:** Scanning to a computer or USB device is not available on selected printer models.

### Scanning to a computer

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 print a network setup page and locate the address in the TCP/IP section.

2. Click **Scan Profile**.

3. Click **Create Scan Profile**.

4. Select your scan settings, and then click **Next**.

5. Select a location on your computer where you want to save the scanned output file.

6. Enter a profile name.
   
   The profile name is also the user name, it is the name that appears in the Scan Profile list on the display.

7. Click **Submit**.

8. Scan your document.
A shortcut number was automatically assigned when you clicked Submit. Remember this shortcut number and use it 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 the Scan/Email button.

d Press the arrow buttons until Profiles appears, and then press √.

e Press #.

Enter Shortcut: appears.

f Enter the shortcut number.

g Press ◼️ oraven to send the scanned image.

Note: The scan settings determine if the image is sent in black or color. Pressing the black or color button does not change these settings.

9 Return to the computer to view the file.

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

### Scanning to a USB flash memory device

Note: The USB port is not available on selected printer models.

1 Insert a USB flash memory device into the front USB port.

Access USB appears.

Note: When a USB flash memory device is inserted into the printer, the printer can only scan to the USB device or print files from the USB device. All other printer functions are unavailable.

2 Press 1 on the keypad.

3 Press the arrow buttons until Scan to USB appears, and then press √.

Press Start To Begin appears.

4 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.

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

6 Press ◼️ oraven to send the scanned image.

Note: The scan settings determine if the image is sent in black or color. Pressing the black or color button does not change these settings.
Understanding scan to computer options

**Sides (Duplex)**
This option informs the printer if your original document is simplex (printed on one side) or duplex (printed on both sides). This lets the scanner know what needs to be scanned for inclusion in the document.

**Note:** Duplex scanning is not available on selected printer models.

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

**Improving scan quality**

<table>
<thead>
<tr>
<th>Question</th>
<th>Tip</th>
</tr>
</thead>
</table>
| When should I use Text mode?  | • Use Text mode when text preservation is the main goal of the scan, and preserving images copied from the original document is not a concern.  
• Text mode is recommended for receipts, carbon copy forms, and documents that only contain text or fine line art. |
| When should I use Text/Photo mode? | • Use Text/Photo mode when scanning an original document that contains a mixture of text and graphics.  
• Text/Photo mode is recommended for magazine articles, business graphics, and brochures. |
| When should I use Photo mode? | Use Photo mode when scanning photos printed on a laser printer or taken from a magazine or newspaper. |

**Using the Scan Center software**

**Understanding the Scan Center features**
The Scan Center software lets you modify scan settings and select where to send the scanned output. Scan settings modified with the Scan Center software can be saved and used for other scan jobs.

The following features are available:
- Scan and send images to your computer
- Convert scanned images to text
- Preview the scanned image and adjust the brightness and contrast
- Make larger scans without losing detail
- Scan two-sided documents
Using the ScanBack utility

Using the ScanBack Utility

You can use the Lexmark ScanBack™ Utility instead of the Embedded Web Server to create Scan to PC profiles. The ScanBack Utility is on the Software and Documentation CD.

1 Set up your Scan to PC profile.
   a Launch the ScanBack Utility.
   b Select the printer you want to use.
      If no printers are listed, then see your system support person to obtain a list, or click the Setup button to manually search for an IP address or hostname.
   c Follow the instructions on the screens to define the type of document being scanned and what kind of output you want to create.
   d Make sure to select:
      • Show MFP Instructions—if you want to view or print the final directions
      • Create Shortcut—if you want to save this group of settings to use again
   e Click Finish.
      A dialog box appears with your scan profile information and the status of the received images.

2 Scan your original documents.
   a Locate the printer you specified in the scan profile.
   b Load all pages in the ADF or on the scanner glass.
   c From the printer control panel, press Scan/Email.
   d Press the arrow buttons until Profiles appears, and then press .
   e Press the arrow buttons until your scan profile name appears, and then press .
   f Press or to send the scanned image.
      Note: The scan settings determine if the image is sent in black or color. Pressing the black or color button does not change these settings.
   g Return to your computer.
      Your output file is saved in a directory or launched in the application you specified.
Clearing jams

Avoiding jams

The following hints can help you avoid jams.

Paper tray recommendations

- Make sure the paper lies flat in the tray.
- Do not remove trays while the printer is printing.
- Do not load trays, the multipurpose feeder, or the envelope feeder while the printer is printing. Load them prior to printing, or wait for a prompt to load them.
- Do not load too much paper. Make sure the stack height does not exceed the indicated maximum height.
- Make sure the guides in the paper trays, multipurpose feeder, or envelope feeder are properly positioned and are not pressing too tightly against the paper or envelopes.
- Push all trays in firmly after loading paper.

Paper recommendations

- Use only recommended paper or specialty media. For more information, see “Paper types and weights supported by the printer” on page 61.
- Do not load wrinkled, creased, damp, bent, or curled paper.
- Flex, fan, 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 the manufacturer's recommendations.

Envelope recommendations

- To reduce wrinkling, use the Envelope Enhance menu in the Paper menu.
- Do not feed envelopes that:
  - Have excessive curl or twist
  - 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
  - Are stuck together or damaged in any way
Understanding jam numbers and locations

When a jam occurs, a message indicating the jam location appears. The following illustration and table list the paper jams that can occur and the location of each jam. Open doors and covers, and remove trays to access jam locations.

<table>
<thead>
<tr>
<th>Jam number</th>
<th>Jam location</th>
<th>Instructions</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>200 Standard 250-sheet tray and manual feeder (Tray 1)</td>
<td>1 Open the front door. Inspect the area behind the front door, and then remove any jams.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2 Open the fuser cover. Inspect the area under the cover, and then remove any jams.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3 Close the front door.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4 Pull Tray 1 out. Inspect the tray area, and then remove any jams.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5 Verify that the paper is loaded correctly.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>6 Reinsert Tray 1.</td>
</tr>
<tr>
<td>2</td>
<td>201 Under the fuser</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>202 In the fuser</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>230 In the duplex</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>235 In the duplex</td>
<td>Note: This jam number indicates that the paper being used for a duplex print job is not supported.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 Pull the 550-sheet tray out, and then remove any jams.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2 Reinsert the tray.</td>
</tr>
<tr>
<td>6</td>
<td>242 and 243 550-sheet tray</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>250 In the multipurpose feeder</td>
<td>Note: You may need to open the 650-sheet duo tray to remove jammed pages behind the multipurpose feeder.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 Press the release latch to the left to release the multipurpose feeder.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2 Inspect the multipurpose feeder, and then remove any jams.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3 Close the multipurpose feeder.</td>
</tr>
<tr>
<td>8</td>
<td>290 ADF</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 Open the ADF cover, and then remove the jam.</td>
</tr>
</tbody>
</table>
200 paper jam

1 Grasp the handle, and pull the standard 250-sheet tray (Tray 1) and manual feeder out.

2 Remove the jam.

   Note: Make sure all paper fragments are removed.

3 Insert the tray.

4 Press \checkmark.

201 paper jam

1 Grasp the front door at the side handholds, and then pull it toward you to open it.

   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 Remove the jammed paper.

Notes:
- Make sure all paper fragments are removed.
- There may be a second sheet jammed if 200.xx Paper Jam and 202.xx Paper Jam appear.

3 Close the front door.

4 Press \CheckMark\.

202 paper jam

1 Grasp the front door at the side handholds, and then pull it toward you to open it.

⚠️ **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 Grasp the green lever, and then pull the fuser cover toward you.

3 Hold the fuser cover down, and then remove the jammed paper.
   The fuser cover closes when released.

   **Note:** Make sure all paper fragments are removed.

4 Close the front door.

5 Press .
230 paper jam

1. Grasp the front door at the side handholds, and then pull it toward you to open it.
2. Remove the jam.
3. Press \( \checkmark \).

235 paper jam

This jam occurs when the paper is too short for the duplex unit.

1. Grasp the front door at the side handholds, and then pull it toward you to open it.
2. Remove the jam.
3. Load the tray with the correct paper size (A4, letter, legal, folio).
4. Insert the tray.
5. Close the front door.
6. Press \( \checkmark \).

242 and 243 paper jams

1. Grasp the handle, and pull the optional 550-sheet tray out.

   Note: The optional 550-sheet tray is not available on all printer models.

2. Remove the jammed paper.

   Note: Make sure all paper fragments are removed.

3. Insert the tray.
4. Press \( \checkmark \).
250 paper jam

1 Push the lever in the multipurpose feeder to access the paper jammed.

2 Remove the jam.
   
   **Note:** Make sure all paper fragments are removed.

3 Insert the tray.

4 Press .

290 paper jam

1 Remove all original documents from the ADF.

2 Open the ADF cover, and then remove any jammed paper.

3 Close the ADF cover.
4 Open the scanner cover, and then remove any jammed pages.

5 Close the scanner cover.

6 Press [OK].
Understanding printer menus

Menus list

A number of menus are available to make it easy for you to change printer settings. These menus can be accessed from the printer control panel, Embedded Web Server, or the software application driver.

Notes:

- Certain menus are not available on selected printer models.
- A setting with an * indicates it is the current default setting.

<table>
<thead>
<tr>
<th>Supplies Menu</th>
<th>Paper Menu</th>
<th>Reports</th>
<th>Network/Ports</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cyan Cartridge</td>
<td>Default Source</td>
<td>Menu Settings Page</td>
<td>Active NIC</td>
</tr>
<tr>
<td>Magenta Cartridge</td>
<td>Size/Type</td>
<td>Device Statistics</td>
<td>Network Menu</td>
</tr>
<tr>
<td>Yellow Cartridge</td>
<td>Paper Texture</td>
<td>Network Setup Page</td>
<td>Wireless Menu</td>
</tr>
<tr>
<td>Black Cartridge</td>
<td>Paper Weight</td>
<td>Wireless Setup Page</td>
<td>USB Menu</td>
</tr>
<tr>
<td>Imaging Kit</td>
<td>Paper Loading</td>
<td>Shortcut List</td>
<td></td>
</tr>
<tr>
<td>Waste Toner Bottle</td>
<td>Custom Type</td>
<td>Fax Job Log</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Custom Scan Sizes</td>
<td>Fax Call Log</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Universal Setup</td>
<td>Copy Shortcuts</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>E-mail Shortcuts</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Fax Shortcuts</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Profiles List</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Print Fonts</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Print Directory</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Print Defects</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Print Demo</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Asset Report</td>
<td></td>
</tr>
</tbody>
</table>

Settings

General Settings
Copy Settings
Fax Settings
Flash Drive Menu
Print Settings
Set Date/Time
## Supplies menu

<table>
<thead>
<tr>
<th>Menu item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cyan, Magenta, Yellow, or Black Toner Cartridges</td>
<td>Shows the status of the toner cartridges</td>
</tr>
<tr>
<td>Early Warning</td>
<td></td>
</tr>
<tr>
<td>Low</td>
<td></td>
</tr>
<tr>
<td>Invalid</td>
<td></td>
</tr>
<tr>
<td>Replace</td>
<td></td>
</tr>
<tr>
<td>Missing or Defective</td>
<td></td>
</tr>
<tr>
<td>OK</td>
<td></td>
</tr>
<tr>
<td>Unsupported</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** Replace <color> Cartridge indicates the cartridge is nearly empty, and print quality problems may result.

<table>
<thead>
<tr>
<th>Imaging Kit</th>
<th>Shows the status of the imaging kit</th>
</tr>
</thead>
<tbody>
<tr>
<td>OK</td>
<td></td>
</tr>
<tr>
<td>Replace Black Imaging Kit</td>
<td></td>
</tr>
<tr>
<td>Replace Black and Color Imaging Kit</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Waste Toner Box</th>
<th>Shows the status of the waste toner bottle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Near Full</td>
<td></td>
</tr>
<tr>
<td>Replace</td>
<td></td>
</tr>
<tr>
<td>Missing</td>
<td></td>
</tr>
<tr>
<td>OK</td>
<td></td>
</tr>
</tbody>
</table>

## Paper menu

### Default Source menu

<table>
<thead>
<tr>
<th>Menu item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Default Source</td>
<td>Sets a default paper source for all print jobs</td>
</tr>
<tr>
<td>Tray &lt;x&gt;</td>
<td></td>
</tr>
<tr>
<td>MP Feeder</td>
<td></td>
</tr>
<tr>
<td>Manual Paper</td>
<td></td>
</tr>
<tr>
<td>Manual Env</td>
<td></td>
</tr>
</tbody>
</table>

**Notes:**

- The 650-sheet-duo drawer must be installed in order for MP Feeder to appear as a menu setting in the Paper Menu.
- Tray 1 (standard tray) is the factory default setting.
- Only installed paper sources will appear as menu settings.
- A paper source selected by a print job will override the Default Source setting for the duration of the print job.
- If the same size and type of paper are in more than one tray, and the Paper Size and Paper Type settings match, the trays are automatically linked. When one tray is empty, the job prints using the linked tray.
## Size/Type menu

<table>
<thead>
<tr>
<th>Menu item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Tray &lt;x&gt; Size</strong></td>
<td>Specifies the paper size loaded in each tray</td>
</tr>
<tr>
<td></td>
<td><strong>Notes:</strong></td>
</tr>
<tr>
<td></td>
<td>• Letter is the US factory default setting. A4 is the international factory</td>
</tr>
<tr>
<td></td>
<td>default setting.</td>
</tr>
<tr>
<td></td>
<td>• If the same size and type of paper are in two trays and the Paper Size</td>
</tr>
<tr>
<td></td>
<td>and Paper Type settings match, the trays are automatically linked.</td>
</tr>
<tr>
<td></td>
<td>When one tray is empty, the job prints using paper from the linked tray.</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Tray &lt;x&gt; Type</strong></td>
<td>Specifies the type of paper loaded in each tray</td>
</tr>
<tr>
<td></td>
<td><strong>Notes:</strong></td>
</tr>
<tr>
<td></td>
<td>• Plain Paper is the factory default setting for Tray 1. Custom Type &lt;x&gt; is</td>
</tr>
<tr>
<td></td>
<td>the factory default setting for all other trays.</td>
</tr>
<tr>
<td></td>
<td>• If available, a user-defined name will appear instead of Custom Type &lt;x&gt;.</td>
</tr>
<tr>
<td></td>
<td>• Use this menu item to configure automatic tray linking.</td>
</tr>
<tr>
<td><strong>Manual Paper Size</strong></td>
<td>Specifies the size of the paper being manually loaded</td>
</tr>
<tr>
<td></td>
<td><strong>Note:</strong> Letter is the US factory default setting. A4 is the international factory</td>
</tr>
<tr>
<td></td>
<td>default setting.</td>
</tr>
</tbody>
</table>

**Note:** Only installed trays and feeders are listed in this menu.
<table>
<thead>
<tr>
<th>Menu item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Manual Paper Type</strong></td>
<td>Specifies the type of paper being manually loaded</td>
</tr>
<tr>
<td></td>
<td><strong>Note:</strong> Plain Paper is the factory default setting.</td>
</tr>
<tr>
<td></td>
<td>Plain Paper</td>
</tr>
<tr>
<td></td>
<td>Card Stock</td>
</tr>
<tr>
<td></td>
<td>Transparency</td>
</tr>
<tr>
<td></td>
<td>Recycled</td>
</tr>
<tr>
<td></td>
<td>Glossy</td>
</tr>
<tr>
<td></td>
<td>Labels</td>
</tr>
<tr>
<td></td>
<td>Bond</td>
</tr>
<tr>
<td></td>
<td>Letterhead</td>
</tr>
<tr>
<td></td>
<td>Preprinted</td>
</tr>
<tr>
<td></td>
<td>Colored Paper</td>
</tr>
<tr>
<td></td>
<td>Light Paper</td>
</tr>
<tr>
<td></td>
<td>Heavy Paper</td>
</tr>
<tr>
<td></td>
<td>Rough/Cotton</td>
</tr>
<tr>
<td></td>
<td>Custom Type &lt;x&gt;</td>
</tr>
<tr>
<td><strong>MP Feeder Size</strong></td>
<td>Specifies the paper size loaded in the multipurpose feeder</td>
</tr>
<tr>
<td></td>
<td><strong>Notes:</strong></td>
</tr>
<tr>
<td></td>
<td>• From the Paper menu, Configure MP must be set to Cassette in order for MP Feeder to appear as a menu setting.</td>
</tr>
<tr>
<td></td>
<td>• Letter is the U.S. factory default setting. A4 is the international factory default setting.</td>
</tr>
<tr>
<td></td>
<td>• The multipurpose feeder does not automatically sense paper size. The paper size value must be set.</td>
</tr>
<tr>
<td></td>
<td>Letter</td>
</tr>
<tr>
<td></td>
<td>Legal</td>
</tr>
<tr>
<td></td>
<td>Executive</td>
</tr>
<tr>
<td></td>
<td>Oficio (Mexico)</td>
</tr>
<tr>
<td></td>
<td>Folio</td>
</tr>
<tr>
<td></td>
<td>Statement</td>
</tr>
<tr>
<td></td>
<td>Universal</td>
</tr>
<tr>
<td></td>
<td>A4</td>
</tr>
<tr>
<td></td>
<td>A5</td>
</tr>
<tr>
<td></td>
<td>A5</td>
</tr>
<tr>
<td></td>
<td>JIS B5</td>
</tr>
<tr>
<td><strong>MP Feeder Type</strong></td>
<td>Specifies the type of paper loaded in the multipurpose feeder.</td>
</tr>
<tr>
<td></td>
<td><strong>Notes:</strong></td>
</tr>
<tr>
<td></td>
<td>• From the Paper menu, Configure MP must be set to Cassette in order for MP Feeder to appear as a menu setting.</td>
</tr>
<tr>
<td></td>
<td>• Letter is the U.S. factory default setting. A4 is the international factory default setting.</td>
</tr>
<tr>
<td></td>
<td>Plain Paper</td>
</tr>
<tr>
<td></td>
<td>Card Stock</td>
</tr>
<tr>
<td></td>
<td>Transparency</td>
</tr>
<tr>
<td></td>
<td>Recycled</td>
</tr>
<tr>
<td></td>
<td>Glossy</td>
</tr>
<tr>
<td></td>
<td>Labels</td>
</tr>
<tr>
<td></td>
<td>Bond</td>
</tr>
<tr>
<td></td>
<td>Letterhead</td>
</tr>
<tr>
<td></td>
<td>Preprinted</td>
</tr>
<tr>
<td></td>
<td>Colored Paper</td>
</tr>
<tr>
<td></td>
<td>Light Paper</td>
</tr>
<tr>
<td></td>
<td>Heavy Paper</td>
</tr>
<tr>
<td></td>
<td>Rough/Cotton</td>
</tr>
<tr>
<td></td>
<td>Custom Type &lt;x&gt;</td>
</tr>
</tbody>
</table>

**Note:** Only installed trays and feeders are listed in this menu.
### Manual Envelope Size

<table>
<thead>
<tr>
<th>Size</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 Envelope</td>
<td>Specifies the size of the envelope being manually loaded</td>
</tr>
<tr>
<td>DL Envelope</td>
<td></td>
</tr>
<tr>
<td>C5 Envelope</td>
<td></td>
</tr>
<tr>
<td>B5 Envelope</td>
<td></td>
</tr>
<tr>
<td>Other Envelope</td>
<td></td>
</tr>
<tr>
<td>7 3/4 Envelope</td>
<td></td>
</tr>
<tr>
<td>9 Envelope</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** 10 Envelope is the US factory default setting. DL Envelope is the international factory default setting.

### Manual Envelope Type

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Envelope</td>
<td>Specifies the type of envelope being manually loaded</td>
</tr>
<tr>
<td>Custom Type &lt;x&gt;</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** Envelope is the factory default setting.

**Note:** Only installed trays and feeders are listed in this menu.

### Paper Texture menu

<table>
<thead>
<tr>
<th>Menu item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plain Texture</td>
<td>Specifies the relative texture of the paper loaded in a specific tray</td>
</tr>
<tr>
<td>Smooth</td>
<td></td>
</tr>
<tr>
<td>Normal</td>
<td></td>
</tr>
<tr>
<td>Rough</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** Normal is the factory default setting.

<table>
<thead>
<tr>
<th>Card Stock Texture</th>
<th>Specifies the relative texture of the card stock loaded in a specific tray</th>
</tr>
</thead>
<tbody>
<tr>
<td>Smooth</td>
<td></td>
</tr>
<tr>
<td>Normal</td>
<td></td>
</tr>
<tr>
<td>Rough</td>
<td></td>
</tr>
</tbody>
</table>

**Notes:**
- Normal is the factory default setting.
- Settings appear only if card stock is supported.

<table>
<thead>
<tr>
<th>Transparency Texture</th>
<th>Specifies the relative texture of the transparencies loaded in a specific tray</th>
</tr>
</thead>
<tbody>
<tr>
<td>Smooth</td>
<td></td>
</tr>
<tr>
<td>Normal</td>
<td></td>
</tr>
<tr>
<td>Rough</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** Normal is the factory default setting.

<table>
<thead>
<tr>
<th>Recycled Texture</th>
<th>Specifies the relative texture of the recycled paper loaded in a specific tray</th>
</tr>
</thead>
<tbody>
<tr>
<td>Smooth</td>
<td></td>
</tr>
<tr>
<td>Normal</td>
<td></td>
</tr>
<tr>
<td>Rough</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** Normal is the factory default setting.

<table>
<thead>
<tr>
<th>Glossy Texture</th>
<th>Specifies the relative texture of the Glossy paper loaded in a specific tray</th>
</tr>
</thead>
<tbody>
<tr>
<td>Smooth</td>
<td></td>
</tr>
<tr>
<td>Normal</td>
<td></td>
</tr>
<tr>
<td>Rough</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** Normal is the factory default setting.

<table>
<thead>
<tr>
<th>Labels Texture</th>
<th>Specifies the relative texture of the labels loaded in a specific tray</th>
</tr>
</thead>
<tbody>
<tr>
<td>Smooth</td>
<td></td>
</tr>
<tr>
<td>Normal</td>
<td></td>
</tr>
<tr>
<td>Rough</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** Normal is the factory default setting.
<table>
<thead>
<tr>
<th>Menu item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bond Texture</strong></td>
<td>Specifies the relative texture of the paper loaded in a specific tray</td>
</tr>
<tr>
<td>Smooth</td>
<td>Note: Rough is the factory default setting.</td>
</tr>
<tr>
<td>Normal</td>
<td></td>
</tr>
<tr>
<td>Rough</td>
<td></td>
</tr>
<tr>
<td><strong>Envelope Texture</strong></td>
<td>Specifies the relative texture of the envelopes loaded in a specific tray</td>
</tr>
<tr>
<td>Smooth</td>
<td>Note: Normal is the factory default setting.</td>
</tr>
<tr>
<td>Normal</td>
<td></td>
</tr>
<tr>
<td>Rough</td>
<td></td>
</tr>
<tr>
<td><strong>Letterhead Texture</strong></td>
<td>Specifies the relative texture of the paper loaded in a specific tray</td>
</tr>
<tr>
<td>Smooth</td>
<td>Note: Normal is the factory default setting.</td>
</tr>
<tr>
<td>Normal</td>
<td></td>
</tr>
<tr>
<td>Rough</td>
<td></td>
</tr>
<tr>
<td><strong>Preprinted Texture</strong></td>
<td>Specifies the relative texture of the paper loaded in a specific tray</td>
</tr>
<tr>
<td>Smooth</td>
<td>Note: Normal is the factory default setting.</td>
</tr>
<tr>
<td>Normal</td>
<td></td>
</tr>
<tr>
<td>Rough</td>
<td></td>
</tr>
<tr>
<td><strong>Colored Texture</strong></td>
<td>Specifies the relative texture of the colored paper loaded in a specific tray</td>
</tr>
<tr>
<td>Smooth</td>
<td>Note: Normal is the factory default setting.</td>
</tr>
<tr>
<td>Normal</td>
<td></td>
</tr>
<tr>
<td>Rough</td>
<td></td>
</tr>
<tr>
<td><strong>Light Paper</strong></td>
<td>Specifies the relative texture of the light paper loaded in a specific tray</td>
</tr>
<tr>
<td>Smooth</td>
<td>Notes:</td>
</tr>
<tr>
<td>Normal</td>
<td>• Normal is the factory default setting.</td>
</tr>
<tr>
<td>Rough</td>
<td>• Settings appear only if the custom type is supported.</td>
</tr>
<tr>
<td><strong>Heavy Paper</strong></td>
<td>Specifies the relative texture of the heavy paper loaded in a specific tray</td>
</tr>
<tr>
<td>Smooth</td>
<td>Notes:</td>
</tr>
<tr>
<td>Normal</td>
<td>• Normal is the factory default setting.</td>
</tr>
<tr>
<td>Rough</td>
<td>• Settings appear only if the custom type is supported.</td>
</tr>
<tr>
<td><strong>Rough/Cotton Paper</strong></td>
<td>Specifies the relative texture of the rough/cotton paper loaded in a specific tray</td>
</tr>
<tr>
<td>Rough</td>
<td>Notes:</td>
</tr>
<tr>
<td></td>
<td>• Rough is the factory default setting.</td>
</tr>
<tr>
<td></td>
<td>• Settings appear only if the custom type is supported.</td>
</tr>
<tr>
<td><strong>Custom &lt;x&gt; Paper</strong></td>
<td>Specifies the relative texture of the custom paper loaded in a specific tray</td>
</tr>
<tr>
<td>Smooth</td>
<td>Notes:</td>
</tr>
<tr>
<td>Normal</td>
<td>• Normal is the factory default setting.</td>
</tr>
<tr>
<td>Rough</td>
<td>• Settings appear only if the custom type is supported.</td>
</tr>
</tbody>
</table>
## Paper Weight menu

<table>
<thead>
<tr>
<th>Menu items</th>
<th>Definition</th>
</tr>
</thead>
</table>
| Plain Weight, Glossy Weight, Bond Weight, Letterhead Weight, Preprinted Weight, or Colored Weight | Identifies the relative weight of the paper loaded in a specific tray  
*Note:* Normal is the factory default setting.  
- Light  
- Normal  
- Heavy |
| Transparency Weight | Identifies the relative weight of the transparencies loaded in a specific tray  
*Note:* Normal is the factory default setting.  
- Light  
- Normal  
- Heavy |
| Recycled Weight | Identifies the relative weight of the recycled paper loaded in a specific tray  
*Note:* Normal is the factory default setting.  
- Light  
- Normal  
- Heavy |
| Labels Weight | Identifies the relative weight of the labels loaded in a specific tray  
*Note:* Normal is the factory default setting.  
- Light  
- Normal  
- Heavy |
| Envelope Weight | Identifies the relative weight of the envelopes loaded in a specific tray or feeder  
*Note:* Normal is the factory default setting.  
- Light  
- Normal  
- Heavy |
| Card Stock Weight | Identifies the relative weight of the card stock loaded in a specific tray  
*Notes:*  
- Normal is the factory default setting.  
- Settings appear only if card stock is supported.  
- Light  
- Normal  
- Heavy |
| Light Paper Weight | Identifies the relative weight of the light paper loaded in a specific tray  
*Notes:*  
- Light is the factory default setting.  
- Settings appear only if light paper is supported.  
- Light |
| Heavy Paper Weight | Identifies the relative weight of the heavy paper loaded in a specific tray  
*Notes:*  
- Heavy is the factory default setting.  
- Settings appear only if heavy paper is supported.  
- Heavy |
Menu items | Definition
---|---
**Rough/Cotton Paper Weight**
  Normal | Identifies the relative weight of the rough/cotton paper loaded in a specific tray

**Notes:**
- Normal is the factory default setting.
- Settings appear only if rough/cotton paper is supported.

**Custom <x>**
  Light
  Normal
  Heavy | Identifies the relative weight of the custom paper type loaded in a specific tray

**Notes:**
- Normal is the factory default setting.
- Settings appear only if custom paper is supported.

---

**Paper Loading menu**

*Note:* Certain options are not available on selected printer models.

<table>
<thead>
<tr>
<th>Menu item</th>
<th>Description</th>
</tr>
</thead>
</table>
| **Recycled Loading**
  Duplex
  Off | Determines whether 2-sided printing occurs for all jobs that specify Recycled as the paper type
  **Note:** Off is the factory default setting. |
| **Glossy Loading**
  Duplex
  Off | Determines whether 2-sided printing occurs for all jobs that specify Glossy as the paper type
  **Note:** Off is the factory default setting. |
| **Bond Loading**
  Duplex
  Off | Determines whether 2-sided printing occurs for all jobs that specify Bond as the paper type
  **Note:** Off is the factory default setting. |
| **Letterhead Loading**
  Duplex
  Off | Determines whether 2-sided printing occurs for all jobs that specify Letterhead as the paper type
  **Note:** Off is the factory default setting. |
| **Preprinted Loading**
  Duplex
  Off | Determines whether 2-sided printing occurs for all jobs that specify Preprinted as the paper type
  **Note:** Off is the factory default setting. |
| **Colored Loading**
  Duplex
  Off | Determines whether 2-sided printing occurs for all jobs that specify Colored as the paper type
  **Note:** Off is the factory default setting. |
| **Light Paper Loading**
  Duplex
  Off | Determines whether 2-sided printing occurs for all jobs that specify Light Paper as the paper type
  **Note:** Off is the factory default setting. |

*Note:* Duplex sets the printer default to 2-sided printing for every print job unless 1-sided printing is selected from Print Properties (in Windows) or the Print dialog (in Macintosh).
### Heavy Paper Loading

- **Duplex**
- **Off**

Determine whether 2-sided printing occurs for all jobs that specify Heavy Paper as the paper type.

**Note:** Off is the factory default setting.

### Rough/Cotton Loading

- **Duplex**
- **Off**

Determine whether 2-sided printing occurs for all jobs that specify Rough/Cotton as the paper type.

**Note:** Off is the factory default setting.

### Custom <x> Loading

- **Duplex**
- **Off**

Determine whether 2-sided printing occurs for all jobs that specify Custom <x> as the paper type.

**Notes:**
- Off is the factory default setting.
- Custom <x> Loading is available only if the custom type is supported.

**Note:** Duplex sets the printer default to 2-sided printing for every print job unless 1-sided printing is selected from Print Properties (in Windows) or the Print dialog (in Macintosh).

### Custom Types menu

<table>
<thead>
<tr>
<th>Menu item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Custom Type &lt;x&gt;</strong></td>
<td>Associates a paper or specialty media type with a factory default Custom Type &lt;x&gt; name or a user-defined Custom Name created from the Embedded Web Server or MarkVision™ Professional. This user-defined name displays instead of Custom Type &lt;x&gt;.</td>
</tr>
<tr>
<td>Paper</td>
<td>Associates a paper or specialty media type with a factory default Custom Type &lt;x&gt; name or a user-defined Custom Name created from the Embedded Web Server or MarkVision™ Professional. This user-defined name displays instead of Custom Type &lt;x&gt;.</td>
</tr>
<tr>
<td>Card Stock</td>
<td>Specifies a paper type when the Recycled setting is selected in other menus</td>
</tr>
<tr>
<td>Transparency</td>
<td>Specifies a paper type when the Recycled setting is selected in other menus</td>
</tr>
<tr>
<td>Glossy</td>
<td>Specifies a paper type when the Recycled setting is selected in other menus</td>
</tr>
<tr>
<td>Labels</td>
<td>Specifies a paper type when the Recycled setting is selected in other menus</td>
</tr>
<tr>
<td>Envelope</td>
<td>Specifies a paper type when the Recycled setting is selected in other menus</td>
</tr>
<tr>
<td>Rough/Cotton</td>
<td>Specifies a paper type when the Recycled setting is selected in other menus</td>
</tr>
<tr>
<td>Recycled</td>
<td>Specifies a paper type when the Recycled setting is selected in other menus</td>
</tr>
</tbody>
</table>

**Notes:**
- Paper is the factory default setting.
- The custom media type must be supported by the selected tray or feeder in order for you to print from that source.
**Custom Scan Sizes menu**

<table>
<thead>
<tr>
<th>Menu item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ID Card</strong></td>
<td>Specifies a non-standard scan size.</td>
</tr>
<tr>
<td>Width</td>
<td>Notes:</td>
</tr>
<tr>
<td>1–14 inches (25–355.6 mm)</td>
<td>• 4.83 inches is the US factory default setting for Width. 123 millimeters is the international factory default setting for Width.</td>
</tr>
<tr>
<td>Height</td>
<td>• 6.32 inches is the US factory default setting for Height. 161 millimeters is the international factory default setting for Height.</td>
</tr>
<tr>
<td>Orientation</td>
<td>• Landscape is the factory default setting for Orientation.</td>
</tr>
<tr>
<td>Landscape</td>
<td>• On is the factory default setting for 2 scans per side.</td>
</tr>
<tr>
<td>Portrait</td>
<td></td>
</tr>
<tr>
<td>2 scans per side</td>
<td></td>
</tr>
<tr>
<td>Off</td>
<td></td>
</tr>
<tr>
<td>On</td>
<td></td>
</tr>
</tbody>
</table>

| **Custom Scan Size <x>** | Specifies a custom scan size name and options. This name replaces a Custom Scan Size <x> name in the printer menus. |
| Scan Size Name          | Notes:                                                                      |
| Width                  | • 8.5 inches is the US factory default setting for Width. 216 millimeters is the international factory default setting for Width. |
| 1–14 inches (25–355.6 mm) | • 14 inches is the US factory default setting for Height. 356 millimeters is the international factory default setting for Height. |
| Height                 | • Landscape is the factory default setting for Orientation.                |
| Orientation            | • Off is the factory default setting for 2 scans per side.                  |
| Landscape              |                                                                           |
| Portrait               |                                                                           |
| 2 scans per side       |                                                                           |
| Off                    |                                                                           |
| On                     |                                                                           |

**Universal Setup menu**

These menu items are used to specify the height and width of the Universal Paper Size. The Universal Paper Size is a user-defined paper size setting. It is listed with the other paper size settings and includes similar options, such as support for duplex printing and printing multiple pages on one sheet.

<table>
<thead>
<tr>
<th>Menu item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Units of Measure</strong></td>
<td></td>
</tr>
<tr>
<td>Inches</td>
<td>Identifies the units of measure</td>
</tr>
<tr>
<td>Millimeters</td>
<td>Notes:</td>
</tr>
<tr>
<td></td>
<td>• Inches is the US factory default setting.</td>
</tr>
<tr>
<td></td>
<td>• Millimeters is the international factory default setting.</td>
</tr>
</tbody>
</table>
### Menu item | Description
--- | ---
**Portrait Width** 3–14.7 inches 76–360 mm | Sets the portrait width  
**Notes:**  
- If the width exceeds the maximum, the printer uses the maximum width allowed.  
- 8.5 inches is the US factory default setting. Inches can be increased in 0.01-inch increments.  
- 216 mm is the international factory default setting. Millimeters can be increased in 1-mm increments.

**Portrait Height** 3–14.7 inches 76–360 mm | Sets the portrait height  
**Notes:**  
- If the height exceeds the maximum, the printer uses the maximum height allowed.  
- 14 inches is the US factory default setting. Inches can be increased in 0.01-inch increments.  
- 356 mm is the international factory default setting. Millimeters can be increased in 1-mm increments.

---

### Reports menu

**Report menu**

*Note:* When you select a menu item from the Reports menu, the indicated report prints.

| Menu item | Description |
--- | --- |
**Menu Settings Page** | Prints a report containing information about paper loaded into trays, installed memory, the total page count, alarms, timeouts, the printer control panel language, the TCP/IP address, the status of supplies, the status of the network connection, and other information. |
**Device Statistics** | Prints a report containing printer statistics such as supply information and details about printed pages. |
**Network Setup Page** | Prints a report containing information about the network printer settings, such as the TCP/IP address information.

*Note:* This menu item appears only for network printers or printers connected to print servers.

**Shortcut List** | Prints a report containing information about configured shortcuts. |
**Fax Job Log** | Prints a report containing information about the last 200 completed faxes. |
**Fax Call Log** | Prints a report containing information about the last 100 attempted, received, and blocked calls. |
**Copy Shortcuts** | Prints a report containing information about copy shortcuts. |
**E-mail Shortcuts** | Prints a report containing information about e-mail shortcuts. |
<table>
<thead>
<tr>
<th>Menu item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fax Shortcuts</td>
<td>Prints a report containing information about fax shortcuts</td>
</tr>
<tr>
<td>Profiles List</td>
<td>Prints a list of profiles stored in the printer</td>
</tr>
<tr>
<td>Print Fonts</td>
<td>Prints a report of all the fonts available for the printer language currently set in the printer</td>
</tr>
</tbody>
</table>
| Print Defects    | Prints a repeating defects page used as a diagnostic tool for identifying print problems  
|                  | **Note:** Should be printed on letter- or A4-size paper. If printed on smaller paper, the content will be clipped. |
| Print Demo       | Prints a resident demonstration page                                         |
| Asset Report     | Prints a report containing asset information including the printer serial number and model name. The report contains text and UPC barcodes that can be scanned into an asset database. |

## Network/Ports

### Active NIC menu

<table>
<thead>
<tr>
<th>Menu item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Active NIC</td>
<td>Shows the print server</td>
</tr>
<tr>
<td>Auto</td>
<td><strong>Note:</strong> This menu is available only for network models or printers attached to print servers.</td>
</tr>
<tr>
<td>List of networks</td>
<td></td>
</tr>
</tbody>
</table>

### Network menu

<table>
<thead>
<tr>
<th>Menu item</th>
<th>Description</th>
</tr>
</thead>
</table>
| PCL SmartSwitch  | Sets the printer to automatically switch to PCL emulation when a print job requires it, regardless of the default printer language  
| On               | **Notes:**  
| Off              | • On is the factory default setting.  
|                  | • When the Off setting is used, the printer does not examine incoming data.  
<p>|                  | • When the Off setting is used, 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. |</p>
<table>
<thead>
<tr>
<th>Menu item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PS SmartSwitch</strong></td>
<td>Sets the printer to automatically switch to PS emulation when a print job requires it, regardless of the default printer language</td>
</tr>
</tbody>
</table>
| **Notes:**      | • On is the factory default setting.  
• When the Off setting is used, the printer does not examine incoming data.  
• When the Off setting is used, 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. |
| **NPA Mode**    | Sets the printer to perform the special processing required for bidirectional communication following the conventions defined by the NPA protocol                                                                                                                                 |
| **Notes:**      | • Auto is the factory default setting  
• Changing this setting from the printer control panel and then exiting the menus causes the printer to restart. The menu selection is updated. |
| **Network Buffer** | Sets the size of the network input buffer                                                                                                                                                                          |
| **Notes:**      | • Auto is the factory default setting.  
• The value can be changed in 1-K increments.  
• 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.  
• To increase the maximum size range for the Network Buffer, disable or reduce the size of the USB buffer.  
• Changing this setting from the printer control panel and then exiting the menus causes the printer to restart. The menu selection is updated. |
| **Mac Binary PS** | Sets the printer to process Macintosh binary PostScript print jobs                                                                                                                                               |
| **Notes:**      | • Auto is the factory default setting.  
• The Off setting filters print jobs using the standard protocol.  
• The On setting processes raw binary PostScript print jobs. |
| **Network Setup** | Lists all the network setup menus, regardless of the active network of the printer                                                                                                                                 |
| **Note:**       | Certain options are not available on selected printer models. |
**Wireless menu**

Use the following menu items to view or configure the wireless internal print server settings.

**Note:** This menu is available only for network models or printers attached to print servers when an optional wireless internal print server is installed in the printer.

<table>
<thead>
<tr>
<th>Menu item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Mode</strong></td>
<td>Lets you select a mode</td>
</tr>
<tr>
<td><strong>Notes:</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Infrastructure mode makes the printer wireless network accessible through an access point.</td>
</tr>
<tr>
<td></td>
<td>• Ad hoc mode configures the printer for peer-to-peer wireless networking.</td>
</tr>
<tr>
<td><strong>Compatibility</strong></td>
<td>Lets you select a setting that is compatible with your equipment</td>
</tr>
<tr>
<td></td>
<td>802.11n</td>
</tr>
<tr>
<td></td>
<td>802.11b/g</td>
</tr>
<tr>
<td></td>
<td>802.11b/g/n</td>
</tr>
<tr>
<td><strong>Choose Network</strong></td>
<td>Lets you select an available network for the printer to use</td>
</tr>
<tr>
<td></td>
<td>&lt;list of available network names&gt;</td>
</tr>
<tr>
<td><strong>View Signal Quality</strong></td>
<td>Lets you view the strength of the wireless connection</td>
</tr>
<tr>
<td><strong>View Security Mode</strong></td>
<td>Lets you view the security of the wireless connection</td>
</tr>
</tbody>
</table>

**USB menu**

<table>
<thead>
<tr>
<th>Menu item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PCL SmartSwitch</strong></td>
<td>Sets the printer to automatically switch to PCL emulation when a print job requires it, regardless of the default printer language</td>
</tr>
<tr>
<td><strong>Notes:</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• On is the factory default setting.</td>
</tr>
<tr>
<td></td>
<td>• When the Off setting is used, the printer does not examine incoming data.</td>
</tr>
<tr>
<td></td>
<td>• When the Off setting is used, 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.</td>
</tr>
<tr>
<td><strong>PS SmartSwitch</strong></td>
<td>Sets the printer to automatically switch to PS emulation when a print job requires it, regardless of the default printer language</td>
</tr>
<tr>
<td><strong>Notes:</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• On is the factory default setting.</td>
</tr>
<tr>
<td></td>
<td>• When the Off setting is used, the printer does not examine incoming data.</td>
</tr>
<tr>
<td></td>
<td>• When the Off setting is used, 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.</td>
</tr>
<tr>
<td>Menu item</td>
<td>Description</td>
</tr>
<tr>
<td>----------------</td>
<td>-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td><strong>NPA Mode</strong></td>
<td>Sets the printer to perform the special processing required for bidirectional communication following the conventions defined by the NPA protocol&lt;br&gt;&lt;br&gt;<strong>Notes:</strong>&lt;br&gt;• Auto is the factory default setting.&lt;br&gt;• Changing this setting from the printer control panel and then exiting the menus causes the printer to restart. The menu selection is updated.</td>
</tr>
<tr>
<td><strong>USB Buffer</strong></td>
<td>Sets the size of the USB input buffer&lt;br&gt;&lt;br&gt;<strong>Notes:</strong>&lt;br&gt;• Auto is the factory default setting.&lt;br&gt;• Changing this setting from the printer control panel and then exiting the menus causes the printer to restart. The menu selection is updated.</td>
</tr>
<tr>
<td><strong>Mac Binary PS</strong></td>
<td>Sets the printer to process Macintosh binary PostScript print jobs&lt;br&gt;&lt;br&gt;<strong>Notes:</strong>&lt;br&gt;• Auto is the factory default setting.&lt;br&gt;• The Off setting filters print jobs using the standard protocol.&lt;br&gt;• The On setting processes raw binary PostScript print jobs.</td>
</tr>
<tr>
<td><strong>ENA Address</strong></td>
<td>Sets the network address information for an external print server that is attached to the printer using a USB cable&lt;br&gt;&lt;br&gt;<strong>Note:</strong> This menu item is available only if the printer is attached to an external printer server through the USB port.</td>
</tr>
<tr>
<td><strong>ENA Netmask</strong></td>
<td>Sets the netmask information for an external print server that is attached to the printer using a USB cable&lt;br&gt;&lt;br&gt;<strong>Note:</strong> This menu item is available only if the printer is attached to an external print server through the USB port.</td>
</tr>
<tr>
<td><strong>ENA Gateway</strong></td>
<td>Sets the gateway information for an external print server that is attached to the printer using a USB cable&lt;br&gt;&lt;br&gt;<strong>Note:</strong> This menu item is available only if the printer is attached to an external print server through the USB port.</td>
</tr>
</tbody>
</table>
## Settings menu

### General Settings menu

<table>
<thead>
<tr>
<th>Menu item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Display Language</strong></td>
<td>Sets the language of the text appearing on the display  &lt;br&gt;Note: All languages may not be available for all printers.</td>
</tr>
<tr>
<td>English</td>
<td>Sets the language of the text appearing on the display</td>
</tr>
<tr>
<td>Francais</td>
<td>Sets the language of the text appearing on the display</td>
</tr>
<tr>
<td>Deutsch</td>
<td>Sets the language of the text appearing on the display</td>
</tr>
<tr>
<td>Italiano</td>
<td>Sets the language of the text appearing on the display</td>
</tr>
<tr>
<td>Espanol</td>
<td>Sets the language of the text appearing on the display</td>
</tr>
<tr>
<td>Dansk</td>
<td>Sets the language of the text appearing on the display</td>
</tr>
<tr>
<td>Norsk</td>
<td>Sets the language of the text appearing on the display</td>
</tr>
<tr>
<td>Nederlands</td>
<td>Sets the language of the text appearing on the display</td>
</tr>
<tr>
<td>Svenska</td>
<td>Sets the language of the text appearing on the display</td>
</tr>
<tr>
<td>Portugese</td>
<td>Sets the language of the text appearing on the display</td>
</tr>
<tr>
<td>Suomi</td>
<td>Sets the language of the text appearing on the display</td>
</tr>
<tr>
<td>Russian</td>
<td>Sets the language of the text appearing on the display</td>
</tr>
<tr>
<td>Polski</td>
<td>Sets the language of the text appearing on the display</td>
</tr>
<tr>
<td>Magyar</td>
<td>Sets the language of the text appearing on the display</td>
</tr>
<tr>
<td>Turkce</td>
<td>Sets the language of the text appearing on the display</td>
</tr>
<tr>
<td>Cesky</td>
<td>Sets the language of the text appearing on the display</td>
</tr>
<tr>
<td>Simplified Chinese</td>
<td>Sets the language of the text appearing on the display</td>
</tr>
<tr>
<td>Traditional Chinese</td>
<td>Sets the language of the text appearing on the display</td>
</tr>
<tr>
<td>Korean</td>
<td>Sets the language of the text appearing on the display</td>
</tr>
<tr>
<td>Japanese</td>
<td>Sets the language of the text appearing on the display</td>
</tr>
<tr>
<td><strong>Eco-Mode</strong></td>
<td>Minimizes the use of energy, paper, or specialty media</td>
</tr>
<tr>
<td>Off</td>
<td>Minimizes the use of energy, paper, or specialty media</td>
</tr>
<tr>
<td>Energy</td>
<td>Minimizes the use of energy, paper, or specialty media</td>
</tr>
<tr>
<td>Energy/Paper</td>
<td>Minimizes the use of energy, paper, or specialty media</td>
</tr>
<tr>
<td>Paper</td>
<td>Minimizes the use of energy, paper, or specialty media</td>
</tr>
<tr>
<td><strong>Quiet Mode</strong></td>
<td>Reduces the amount of noise produced by the printer</td>
</tr>
<tr>
<td>Off</td>
<td>Reduces the amount of noise produced by the printer</td>
</tr>
<tr>
<td>On</td>
<td>Reduces the amount of noise produced by the printer</td>
</tr>
</tbody>
</table>

**Notes:**
- Off is the factory default setting. Off resets the printer to its factory default settings.
- The Energy setting minimizes the power used by the printer. Performance may be affected but quality is not.
- Paper minimizes the amount of paper and specialty media needed for a print job. Performance may be affected but quality is not.
- Energy/Paper minimizes the use of power and of paper and specialty media.
<table>
<thead>
<tr>
<th>Menu item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Run Initial setup</strong></td>
<td>Instructs the printer to run the setup wizard</td>
</tr>
<tr>
<td></td>
<td><strong>Notes:</strong></td>
</tr>
<tr>
<td></td>
<td>- Yes is the factory default setting.</td>
</tr>
<tr>
<td></td>
<td>- After completing the setup wizard by selecting Done at the Country select screen, the default setting becomes No.</td>
</tr>
<tr>
<td><strong>Paper Sizes</strong></td>
<td>Specifies the printer factory default measurements. The default setting is determined by the country selection in the initial setup wizard.</td>
</tr>
<tr>
<td><strong>Scan to PC Port Range</strong></td>
<td>Specifies a valid port range for printers behind a port blocking firewall. The valid ports are specified by two sets of numbers separated by a semicolon.</td>
</tr>
<tr>
<td></td>
<td><strong>Note:</strong> 9751:12000 is the factory default setting.</td>
</tr>
<tr>
<td><strong>Default Mode</strong></td>
<td>Sets the function the printer enters when Go, Content, Darkness, or any number is pressed on the printer control panel</td>
</tr>
<tr>
<td></td>
<td><strong>Note:</strong> Copy is the factory default setting</td>
</tr>
<tr>
<td><strong>Date Format</strong></td>
<td>Formats the printer date</td>
</tr>
<tr>
<td></td>
<td><strong>Note:</strong> MM-DD-YYYY is the US factory default setting and DD-MM-YYYY is the international factory default setting.</td>
</tr>
<tr>
<td><strong>Time Format</strong></td>
<td>Formats the printer time</td>
</tr>
<tr>
<td></td>
<td><strong>Note:</strong> The factory default setting is 12 hour A.M./P.M.</td>
</tr>
<tr>
<td><strong>Alarms</strong></td>
<td>Sets an alarm to sound when the printer requires operator intervention. Available selections for each alarm type are:</td>
</tr>
<tr>
<td></td>
<td>- Off</td>
</tr>
<tr>
<td></td>
<td>- Single</td>
</tr>
<tr>
<td></td>
<td>- Continuous</td>
</tr>
<tr>
<td></td>
<td><strong>Notes:</strong></td>
</tr>
<tr>
<td></td>
<td>- Single is the factory default setting for Alarm Control. Single sounds three quick beeps.</td>
</tr>
<tr>
<td></td>
<td>- Off means no alarm will sound.</td>
</tr>
<tr>
<td></td>
<td>- Continuous repeats three beeps every 10 seconds.</td>
</tr>
<tr>
<td><strong>Timeouts</strong></td>
<td>Specifies the number of minutes of inactivity before some systems begin entering a minimum power state.</td>
</tr>
<tr>
<td></td>
<td><strong>Note:</strong> 30 minutes is the factory default setting.</td>
</tr>
<tr>
<td><strong>Timeouts</strong></td>
<td>Sets the amount of time in seconds the printer waits before returning the printer display to a Ready state</td>
</tr>
<tr>
<td></td>
<td><strong>Note:</strong> 30 seconds is the factory default setting.</td>
</tr>
<tr>
<td>Menu item</td>
<td>Description</td>
</tr>
<tr>
<td>----------------</td>
<td>-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td><strong>Timeouts</strong></td>
<td>Sets the amount of time in seconds the printer waits to receive an end-of-job message before canceling the remainder of the print job. <strong>Notes:</strong></td>
</tr>
</tbody>
</table>
| Print Timeout  | • 90 seconds is the factory default setting.  
| Disabled       | • 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.  
| 1–255          | • Print Timeout is available only when using PCL or PPDS emulation. This setting has no effect on PostScript emulation print jobs.  |
| **Timeouts**   |                                                                                                                                             |
| Wait Timeout   | Sets the amount of time in seconds the printer waits for additional data before canceling a print job. **Notes:**  |
| Disabled       | • 40 seconds is the factory default setting.  
| 15–65535       | • Wait Timeout is available only when the printer is using PostScript emulation. This setting has no effect on PCL or PPDS emulation print jobs.  |
| **Print Recovery** | Lets the printer automatically continue printing from certain offline situations when not resolved within the specified time period. **Notes:**  |
| Auto Continue  | • Disabled is the factory default setting.  
| Disabled       | • 5–255 is a range of time in seconds.  |
| 5–255          |                                                                                                                                               |
| **Print Recovery** | Specifies whether the printer reprints jammed pages. **Notes:**  |
| Jam Recovery   | • 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.  |
| On             | • On sets the printer to always reprint jammed pages.  
| Off            | • Off sets the printer to never reprint jammed pages.  |
| Auto           |                                                                                                                                               |
| **Print Recovery** | Lets the printer successfully print a page that may not have printed otherwise. **Notes:**  |
| Page Protect   | • Off is the factory default setting. Off prints a partial page when there is not enough memory to print the whole page.  |
| On             | • On sets the printer to process the whole page so that the entire page prints.  |
| Off            |                                                                                                                                               |
### Understanding printer menus

<table>
<thead>
<tr>
<th>Menu item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Factory Defaults</strong>&lt;br&gt;Do Not Restore&lt;br&gt;Restore Now</td>
<td>Returns the printer settings to the factory default settings&lt;br&gt;&lt;br&gt;&lt;strong&gt;Notes:&lt;/strong&gt;&lt;br&gt;- Do Not Restore is the factory default setting. Do Not Restore keeps the user-defined settings.&lt;br&gt;- Restore returns all printer settings to the factory default settings except Network/Ports menu settings. All downloads stored in RAM are deleted.</td>
</tr>
</tbody>
</table>

## Copy Settings menu

<table>
<thead>
<tr>
<th>Menu item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Content</strong>&lt;br&gt;Text&lt;br&gt;Text/Photo&lt;br&gt;Photograph</td>
<td>Specifies the type of content contained in the copy job&lt;br&gt;&lt;br&gt;&lt;strong&gt;Notes:&lt;/strong&gt;&lt;br&gt;- Text emphasizes sharp, black, high-resolution text against a clean, white background.&lt;br&gt;- Text/Photo is the factory default setting. Text/Photo is used when the original documents are a mixture of text and graphics or pictures.&lt;br&gt;- Photograph tells the scanner to pay extra attention to graphics and pictures. This setting increases the time it takes to scan, but emphasizes a reproduction of the full dynamic range of tones in the original document. This increases the amount of information saved.</td>
</tr>
<tr>
<td><strong>Sides (Duplex)</strong>&lt;br&gt;1 sided to 1 sided&lt;br&gt;1 sided to 2 sided&lt;br&gt;2 sided to 1 sided&lt;br&gt;2 sided to 2 sided</td>
<td>Specifies whether an original document is duplex (two-sided) or simplex (one-sided), and then specifies whether the copy should be duplex or simplex&lt;br&gt;&lt;br&gt;&lt;strong&gt;Notes:&lt;/strong&gt;&lt;br&gt;- Duplex is not available on selected models.&lt;br&gt;- <strong>1 sided to 1 sided</strong> — The original page has printing on one side. The copied page will have printing on one side.&lt;br&gt;- <strong>1 sided to 2 sided</strong> — The original page has printing on one side. The copied page will have printing on both sides. For example, if the original is six sheets, the copy is three sheets with printing on both sides.&lt;br&gt;- <strong>2 sided to 1 sided</strong> — The original page has printing on both sides. The copied page will have printing on only one side. For example, if the original draft is three sheets of paper with an image on each side of each sheet, then the copy is six sheets with only one image on one side of each sheet.&lt;br&gt;- <strong>2 sided to 2 sided</strong> — The original page has printing on both sides. The copy mimics the original exactly.</td>
</tr>
<tr>
<td><strong>Paper Saver</strong>&lt;br&gt;Off&lt;br&gt;2 on 1 Portrait&lt;br&gt;2 on 1 Landscape&lt;br&gt;4 on 1 Portrait&lt;br&gt;4 on 1 Landscape</td>
<td>Sets two or four sheets of an original document together on the same page&lt;br&gt;&lt;br&gt;&lt;strong&gt;Note:&lt;/strong&gt; Off is the factory default setting.</td>
</tr>
<tr>
<td>Menu item</td>
<td>Description</td>
</tr>
<tr>
<td>---------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td><strong>Print Page Borders</strong></td>
<td>Specifies whether a border is printed around the edge of the page at the margins</td>
</tr>
<tr>
<td>On</td>
<td>Note: Off is the factory default setting.</td>
</tr>
<tr>
<td>Off</td>
<td></td>
</tr>
<tr>
<td><strong>Collate</strong></td>
<td>Keeps the pages of a print job stacked in sequence when making multiple copies of the job</td>
</tr>
<tr>
<td>On</td>
<td>Note: On is the factory default setting.</td>
</tr>
<tr>
<td>Off</td>
<td></td>
</tr>
<tr>
<td><strong>Original Size</strong></td>
<td>Specifies the paper size of the original document</td>
</tr>
<tr>
<td>Letter</td>
<td>Notes:</td>
</tr>
<tr>
<td>Legal</td>
<td>• Letter is the US factory default setting. A4 is the international factory default setting.</td>
</tr>
<tr>
<td>Executive</td>
<td>• A setting with an * indicates it is the current default setting.</td>
</tr>
<tr>
<td>Folio</td>
<td></td>
</tr>
<tr>
<td>Statement</td>
<td></td>
</tr>
<tr>
<td>Universal</td>
<td></td>
</tr>
<tr>
<td>ID Card</td>
<td></td>
</tr>
<tr>
<td>4 x 6 in.</td>
<td></td>
</tr>
<tr>
<td>3 x 5 in.</td>
<td></td>
</tr>
<tr>
<td>Business Card</td>
<td></td>
</tr>
<tr>
<td>Custom Scan Size &lt;x&gt;</td>
<td></td>
</tr>
<tr>
<td>A4</td>
<td></td>
</tr>
<tr>
<td>A5</td>
<td></td>
</tr>
<tr>
<td>Oficio (Mexico)</td>
<td></td>
</tr>
<tr>
<td>A6</td>
<td></td>
</tr>
<tr>
<td>JIS B5</td>
<td></td>
</tr>
<tr>
<td><strong>Paper Source</strong></td>
<td>Specifies the paper source for copy jobs</td>
</tr>
<tr>
<td>Tray &lt;x&gt;</td>
<td>Note: Tray 1 is the factory default setting.</td>
</tr>
<tr>
<td>Single Sheet Feeder</td>
<td></td>
</tr>
<tr>
<td>Multi Sheet Feeder</td>
<td></td>
</tr>
<tr>
<td><strong>Transparency Separators</strong></td>
<td>Places a sheet of paper between transparencies</td>
</tr>
<tr>
<td>On</td>
<td>Note: On is the factory default setting.</td>
</tr>
<tr>
<td>Off</td>
<td></td>
</tr>
<tr>
<td><strong>Separator Sheets</strong></td>
<td>Places a sheet of paper between pages, copies, or jobs based on the value selected</td>
</tr>
<tr>
<td>None</td>
<td>Note: None is the factory default setting.</td>
</tr>
<tr>
<td>Between Copies</td>
<td></td>
</tr>
<tr>
<td>Between Jobs</td>
<td></td>
</tr>
<tr>
<td>Between Pages</td>
<td></td>
</tr>
<tr>
<td><strong>Separator Source</strong></td>
<td>Specifies a paper source</td>
</tr>
<tr>
<td>Tray &lt;x&gt;</td>
<td>Note: Tray 1 is the factory default setting.</td>
</tr>
<tr>
<td>Manual Feeder</td>
<td></td>
</tr>
<tr>
<td><strong>Darkness</strong></td>
<td>Specifies the level of darkness for the copy job</td>
</tr>
<tr>
<td>-4 to +4</td>
<td>Note: The factory default setting is 0.</td>
</tr>
<tr>
<td><strong>Number of Copies</strong></td>
<td>Specifies the number of copies for the copy job</td>
</tr>
<tr>
<td>1–999</td>
<td>Note: The factory default setting is 1.</td>
</tr>
<tr>
<td>Menu item</td>
<td>Description</td>
</tr>
<tr>
<td>---------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td><strong>Overlay</strong></td>
<td>Specifies overlay text that is printed on each page of the copy job</td>
</tr>
<tr>
<td>Off</td>
<td><strong>Note</strong>: Off is the factory default setting.</td>
</tr>
<tr>
<td>Confidential</td>
<td></td>
</tr>
<tr>
<td>Copy</td>
<td></td>
</tr>
<tr>
<td>Draft</td>
<td></td>
</tr>
<tr>
<td>Urgent</td>
<td></td>
</tr>
<tr>
<td>Custom</td>
<td></td>
</tr>
<tr>
<td><strong>Allow priority copies</strong></td>
<td>Allows interruption of a print job to copy a page or document</td>
</tr>
<tr>
<td>On</td>
<td><strong>Note</strong>: On is the factory default setting.</td>
</tr>
<tr>
<td>Off</td>
<td></td>
</tr>
<tr>
<td><strong>Background Removal</strong></td>
<td>Adjusts the amount of background visible on a copy</td>
</tr>
<tr>
<td>-4 to +4</td>
<td><strong>Note</strong>: The factory default setting is 0.</td>
</tr>
<tr>
<td><strong>Color Balance</strong></td>
<td>Specifies the amount of color from -4 to +4.</td>
</tr>
<tr>
<td>Cyan–Red</td>
<td><strong>Note</strong>: The factory default setting is 0.</td>
</tr>
<tr>
<td>Magenta–Green</td>
<td></td>
</tr>
<tr>
<td>Yellow–Blue</td>
<td></td>
</tr>
<tr>
<td><strong>Contrast</strong></td>
<td>Specifies the contrast used for the copy job</td>
</tr>
<tr>
<td>0–5</td>
<td><strong>Note</strong>: “Best for content” is the factory default setting.</td>
</tr>
<tr>
<td>Best for content</td>
<td></td>
</tr>
<tr>
<td><strong>Shadow Detail</strong></td>
<td>Adjusts the amount of shadow detail visible on a copy</td>
</tr>
<tr>
<td>-4 to +4</td>
<td><strong>Note</strong>: 0 is the factory default setting.</td>
</tr>
<tr>
<td><strong>Scan edge to edge</strong></td>
<td>Specifies if the original document is scanned edge-to-edge prior to copying</td>
</tr>
<tr>
<td>On</td>
<td><strong>Note</strong>: Off is the factory default setting.</td>
</tr>
<tr>
<td>Off</td>
<td></td>
</tr>
<tr>
<td><strong>Sharpness</strong></td>
<td>Adjusts the amount of sharpness on a copy</td>
</tr>
<tr>
<td>1–5</td>
<td><strong>Note</strong>: 3 is the factory default setting.</td>
</tr>
</tbody>
</table>

### Fax Settings menu

#### General Fax Settings

<table>
<thead>
<tr>
<th>Menu item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Station Name</strong></td>
<td>Specifies the name of the fax within the printer</td>
</tr>
<tr>
<td><strong>Station Number</strong></td>
<td>Specifies a number associated with the fax</td>
</tr>
<tr>
<td><strong>Station ID</strong></td>
<td>Specifies how the fax is identified</td>
</tr>
<tr>
<td>Station Name</td>
<td></td>
</tr>
<tr>
<td>Station Number</td>
<td></td>
</tr>
<tr>
<td>Menu item</td>
<td>Description</td>
</tr>
<tr>
<td>-------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Enable Manual Fax</td>
<td>Sets the printer to fax manually only, which requires a line splitter and a telephone hand set</td>
</tr>
<tr>
<td></td>
<td><strong>Notes:</strong></td>
</tr>
<tr>
<td></td>
<td>• Off is the factory default setting.</td>
</tr>
<tr>
<td></td>
<td>• Use a regular telephone to answer an incoming fax job and to dial a fax number.</td>
</tr>
<tr>
<td></td>
<td>• Touch # 0 on the numeric keypad to go directly to the Manual Fax function.</td>
</tr>
<tr>
<td>Memory Use</td>
<td>Defines the amount of non-volatile memory used to fax a job</td>
</tr>
<tr>
<td></td>
<td><strong>Notes:</strong></td>
</tr>
<tr>
<td></td>
<td>• “All receive” specifies that all the memory is set to receive fax jobs.</td>
</tr>
<tr>
<td></td>
<td>• “Mostly receive” specifies that most of the memory is set to receive fax jobs.</td>
</tr>
<tr>
<td></td>
<td>• Equal is the factory default setting. Equal splits the memory for sending and receiving fax jobs into equal amounts.</td>
</tr>
<tr>
<td></td>
<td>• “Mostly sent” specifies that most of the memory is set to send fax jobs.</td>
</tr>
<tr>
<td></td>
<td>• “All send” specifies that all the memory is set to send fax jobs.</td>
</tr>
<tr>
<td>Cancel Faxes</td>
<td>Specifies whether the printer may cancel fax jobs</td>
</tr>
<tr>
<td></td>
<td><strong>Note:</strong> If Cancel Faxes is not enabled, it will not appear as an option.</td>
</tr>
<tr>
<td>Caller ID</td>
<td>Specifies the type of caller ID being used</td>
</tr>
<tr>
<td></td>
<td><strong>Note:</strong> FSK is the factory default setting.</td>
</tr>
<tr>
<td>Fax Send Settings</td>
<td></td>
</tr>
<tr>
<td>Menu item</td>
<td>Description</td>
</tr>
<tr>
<td>Resolution</td>
<td>Specifies quality in dots per inch (dpi). A higher resolution gives greater print quality, but it increases the fax transmission time for outgoing faxes.</td>
</tr>
<tr>
<td></td>
<td><strong>Note:</strong> Standard is the factory default setting.</td>
</tr>
<tr>
<td>Menu item</td>
<td>Description</td>
</tr>
<tr>
<td>------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td><strong>Original Size</strong></td>
<td>Specifies the paper size of the document that is being scanned</td>
</tr>
<tr>
<td></td>
<td><strong>Note:</strong> Letter is the US factory default setting. A4 is the international factory default setting.</td>
</tr>
<tr>
<td><strong>Letter</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Legal</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Executive</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Mixed Letter/Legal</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Folio</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Statement</strong></td>
<td></td>
</tr>
<tr>
<td><strong>A4</strong></td>
<td></td>
</tr>
<tr>
<td><strong>A5</strong></td>
<td></td>
</tr>
<tr>
<td><strong>A6</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Oficio (Mexico)</strong></td>
<td></td>
</tr>
<tr>
<td><strong>JIS B5</strong></td>
<td></td>
</tr>
<tr>
<td><strong>4 x 6</strong></td>
<td></td>
</tr>
<tr>
<td><strong>3 x 5</strong></td>
<td></td>
</tr>
<tr>
<td><strong>ID Card</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Universal</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Custom Scan Size</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Business Card</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Duplex</strong></td>
<td>Specifies how the text and graphics are oriented on the page</td>
</tr>
<tr>
<td><strong>Off</strong></td>
<td><strong>Notes:</strong></td>
</tr>
<tr>
<td></td>
<td>• Off is the factory default setting.</td>
</tr>
<tr>
<td></td>
<td>• Long edge assumes binding along the long edge of the page (left edge for portrait orientation and top edge for landscape orientation).</td>
</tr>
<tr>
<td></td>
<td>• Short edge assumes binding along the short edge of the page (top edge for portrait orientation and left edge for landscape orientation).</td>
</tr>
<tr>
<td><strong>Long edge</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Short edge</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Content</strong></td>
<td>Specifies the type of content that will be scanned to fax</td>
</tr>
<tr>
<td><strong>Text</strong></td>
<td><strong>Notes:</strong></td>
</tr>
<tr>
<td></td>
<td>• Text is used when the document is mostly text.</td>
</tr>
<tr>
<td></td>
<td>• Text/Photo is the factory default setting. Text/Photo is used when the documents are mostly text or line art.</td>
</tr>
<tr>
<td></td>
<td>• Photograph is used when the document is a high-quality photograph or inkjet print.</td>
</tr>
<tr>
<td><strong>Text/Photo</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Photograph</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Darkness</strong></td>
<td>Lightens or darkens the output</td>
</tr>
<tr>
<td></td>
<td><strong>Note:</strong> 0 is the factory default setting.</td>
</tr>
<tr>
<td><strong>‑4 to +4</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Dial Prefix</strong></td>
<td>A numeric entry field is provided to enter numbers</td>
</tr>
<tr>
<td><strong>&lt;none&gt;</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Automatic Redial</strong></td>
<td></td>
</tr>
<tr>
<td><strong>0–9</strong></td>
<td>Specifies the number of times the printer tries to send the fax to a specified number</td>
</tr>
<tr>
<td><strong>Redial Frequency</strong></td>
<td></td>
</tr>
<tr>
<td><strong>1–200</strong></td>
<td>Specifies the number of minutes between redials</td>
</tr>
<tr>
<td><strong>Note:</strong> 3 minutes is the factory default setting.</td>
<td></td>
</tr>
<tr>
<td>Menu item</td>
<td>Description</td>
</tr>
<tr>
<td>------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td><strong>Behind a PABX</strong></td>
<td>Enables switchboard blind dialing without a dial tone</td>
</tr>
<tr>
<td>Yes</td>
<td><strong>Note:</strong> No is the factory default setting.</td>
</tr>
<tr>
<td>No</td>
<td></td>
</tr>
<tr>
<td><strong>Enable ECM</strong></td>
<td>Enables Error Correction Mode for fax jobs</td>
</tr>
<tr>
<td>Yes</td>
<td><strong>Note:</strong> Yes is the factory default setting.</td>
</tr>
<tr>
<td>No</td>
<td></td>
</tr>
<tr>
<td><strong>Enable Fax Scans</strong></td>
<td>Lets you send faxes by scanning at the printer</td>
</tr>
<tr>
<td>On</td>
<td><strong>Note:</strong> On is the factory default setting.</td>
</tr>
<tr>
<td>Off</td>
<td></td>
</tr>
<tr>
<td><strong>Driver to fax</strong></td>
<td>Allows driver to fax jobs to be sent by the printer</td>
</tr>
<tr>
<td>Yes</td>
<td><strong>Note:</strong> Yes is the factory default setting.</td>
</tr>
<tr>
<td>No</td>
<td></td>
</tr>
<tr>
<td><strong>Dial Mode</strong></td>
<td>Specifies the dialing sound, either as a tone or a pulse</td>
</tr>
<tr>
<td>Tone</td>
<td><strong>Note:</strong> Tone is the factory default setting.</td>
</tr>
<tr>
<td>Pulse</td>
<td></td>
</tr>
<tr>
<td><strong>Max Speed</strong></td>
<td>Specifies the maximum speed in baud at which faxes are sent</td>
</tr>
<tr>
<td>2400</td>
<td><strong>Note:</strong> 33600 baud is the factory default setting.</td>
</tr>
<tr>
<td>4800</td>
<td></td>
</tr>
<tr>
<td>9600</td>
<td></td>
</tr>
<tr>
<td>14400</td>
<td></td>
</tr>
<tr>
<td>33600</td>
<td></td>
</tr>
<tr>
<td><strong>Background Removal</strong></td>
<td>Adjusts the amount of background visible on a copy</td>
</tr>
<tr>
<td>-4 to +4</td>
<td><strong>Note:</strong> 0 is the factory default setting.</td>
</tr>
<tr>
<td><strong>Contrast</strong></td>
<td>Specifies the contrast of the output</td>
</tr>
<tr>
<td>Best for content</td>
<td><strong>Note:</strong> “Best for content” is the factory default setting.</td>
</tr>
<tr>
<td>0–5</td>
<td></td>
</tr>
<tr>
<td><strong>Shadow Detail</strong></td>
<td>Adjusts the amount of shadow detail visible on a copy</td>
</tr>
<tr>
<td>-4 to +4</td>
<td><strong>Note:</strong> 0 is the factory default setting.</td>
</tr>
<tr>
<td><strong>Scan edge to edge</strong></td>
<td>Specifies if the original document is scanned edge-to-edge</td>
</tr>
<tr>
<td>On</td>
<td><strong>Note:</strong> Off is the factory default setting.</td>
</tr>
<tr>
<td>Off</td>
<td></td>
</tr>
<tr>
<td><strong>Sharpness</strong></td>
<td>Adjusts the amount of sharpness on a fax</td>
</tr>
<tr>
<td>1–5</td>
<td><strong>Note:</strong> 3 is the factory default setting.</td>
</tr>
<tr>
<td><strong>Enable Color Fax Scans</strong></td>
<td>Enables color faxing</td>
</tr>
<tr>
<td>On</td>
<td><strong>Note:</strong> On is the factory default setting.</td>
</tr>
<tr>
<td>Off</td>
<td></td>
</tr>
<tr>
<td><strong>Auto Convert Color Faxes to Mono</strong></td>
<td>Converts all outgoing faxes to black and white</td>
</tr>
</tbody>
</table>
## Fax Receive Settings

<table>
<thead>
<tr>
<th>Menu item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enable Fax Receive</td>
<td>Allows fax jobs to be received by the printer</td>
</tr>
<tr>
<td></td>
<td><strong>Note:</strong> On is the factory default setting.</td>
</tr>
<tr>
<td>Rings to Answer</td>
<td>Specifies the number of rings before answering an incoming fax job</td>
</tr>
<tr>
<td></td>
<td><strong>Note:</strong> 3 is the factory default setting.</td>
</tr>
<tr>
<td>Auto Answer</td>
<td>Allows the printer to answer an incoming fax job</td>
</tr>
<tr>
<td></td>
<td><strong>Note:</strong> Yes is the factory default setting.</td>
</tr>
<tr>
<td>Manual Answer Code</td>
<td>Lets you enter a code on the telephone number pad to begin receiving a fax</td>
</tr>
<tr>
<td></td>
<td><strong>Notes:</strong></td>
</tr>
<tr>
<td></td>
<td>• This menu item is used when the printer shares a line with a telephone</td>
</tr>
<tr>
<td></td>
<td>• 9 is the factory default setting.</td>
</tr>
<tr>
<td>Auto Reduction</td>
<td>Scales an incoming fax job so it fits the size of the paper loaded in the</td>
</tr>
<tr>
<td></td>
<td>designated fax source</td>
</tr>
<tr>
<td></td>
<td><strong>Note:</strong> On is the factory default setting.</td>
</tr>
<tr>
<td>Paper Source</td>
<td>Specifies the paper source selected to supply paper for the printer to print</td>
</tr>
<tr>
<td></td>
<td>an incoming fax</td>
</tr>
<tr>
<td></td>
<td><strong>Note:</strong> Tray 1 is the factory default setting.</td>
</tr>
<tr>
<td>Sides</td>
<td>Enables duplex (two-sided) printing for incoming fax jobs</td>
</tr>
<tr>
<td></td>
<td><strong>Note:</strong> Off is the factory default setting.</td>
</tr>
<tr>
<td>Fax Footer</td>
<td>Prints the transmission information at the bottom of each page from a</td>
</tr>
<tr>
<td></td>
<td>received fax</td>
</tr>
<tr>
<td></td>
<td><strong>Note:</strong> Off is the factory default setting.</td>
</tr>
<tr>
<td>Max Speed</td>
<td>Specifies the maximum speed in baud at which faxes are received</td>
</tr>
<tr>
<td></td>
<td><strong>Note:</strong> 33600 (baud) is the factory default setting.</td>
</tr>
<tr>
<td>Block No Name Fax</td>
<td>Enables blocking of incoming faxes sent from devices with no station ID</td>
</tr>
<tr>
<td></td>
<td>specified</td>
</tr>
<tr>
<td></td>
<td><strong>Note:</strong> Off is the factory default setting.</td>
</tr>
</tbody>
</table>
### Fax Log Settings

<table>
<thead>
<tr>
<th>Menu item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transmission Log</td>
<td>Enables printing of a transmission log after each fax job</td>
</tr>
<tr>
<td>Print log</td>
<td>Note: Print log is the factory default setting.</td>
</tr>
<tr>
<td>Do not print log</td>
<td></td>
</tr>
<tr>
<td>Print only for error</td>
<td></td>
</tr>
<tr>
<td>Receive Error Log</td>
<td>Enables printing of a receive error log following a receive error</td>
</tr>
<tr>
<td>Print Never</td>
<td>Note: Print Never is the factory default setting.</td>
</tr>
<tr>
<td>Print on Error</td>
<td></td>
</tr>
<tr>
<td>Auto Print Logs</td>
<td>Enables automatic printing of fax logs</td>
</tr>
<tr>
<td>On</td>
<td>Note: On is the factory default setting.</td>
</tr>
<tr>
<td>Off</td>
<td></td>
</tr>
<tr>
<td>Log Paper Source</td>
<td>Selects the source of the paper used for printing logs</td>
</tr>
<tr>
<td>Tray &lt;x&gt;</td>
<td>Note: Tray 1 is the factory default setting.</td>
</tr>
<tr>
<td>Logs Display</td>
<td>Specifies whether printed logs display the dialed number or the station name</td>
</tr>
<tr>
<td>Remote Station Name</td>
<td>Note: “Remote Station Name” is the factory default setting.</td>
</tr>
<tr>
<td>Dialed Number</td>
<td></td>
</tr>
<tr>
<td>Enable Job Log</td>
<td>Enables access to the Fax Job log</td>
</tr>
<tr>
<td>On</td>
<td>Note: On is the factory default setting.</td>
</tr>
<tr>
<td>Off</td>
<td></td>
</tr>
<tr>
<td>Enable Call Log</td>
<td>Enables access to the Fax Call log</td>
</tr>
<tr>
<td>On</td>
<td>Note: On is the factory default setting.</td>
</tr>
<tr>
<td>Off</td>
<td></td>
</tr>
</tbody>
</table>

### Speaker Settings

<table>
<thead>
<tr>
<th>Menu item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Speaker Mode</td>
<td>Notes:</td>
</tr>
<tr>
<td>Always Off</td>
<td>• Always Off turns the speaker off.</td>
</tr>
<tr>
<td>On until Connected</td>
<td>“On until Connected” is the factory default setting. The speaker is on and</td>
</tr>
<tr>
<td>Always On</td>
<td>issues a noise until the fax connection is made.</td>
</tr>
<tr>
<td>Speaker Volume</td>
<td>Controls the volume setting</td>
</tr>
<tr>
<td>High</td>
<td>Note: High is the factory default setting.</td>
</tr>
<tr>
<td>Medium</td>
<td></td>
</tr>
<tr>
<td>Low</td>
<td></td>
</tr>
<tr>
<td>Ringer Volume</td>
<td>Controls the ringer volume for the fax speaker</td>
</tr>
<tr>
<td>On</td>
<td>Note: On is the factory default setting.</td>
</tr>
<tr>
<td>Off</td>
<td></td>
</tr>
</tbody>
</table>
## Distinctive Rings

<table>
<thead>
<tr>
<th>Menu item</th>
<th>Description</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single Ring</td>
<td>Answers calls with a one-ring pattern</td>
<td><strong>On</strong> is the factory default setting.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Double Ring</td>
<td>Answers calls with a double-ring pattern</td>
<td><strong>On</strong> is the factory default setting.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Triple Ring</td>
<td>Triple Ring answers calls with a triple-ring pattern</td>
<td><strong>On</strong> is the factory default setting.</td>
</tr>
</tbody>
</table>

## Flash Drive menu

<table>
<thead>
<tr>
<th>Menu item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enable Drive</td>
<td>Enables or disables the USB port on the front of the printer</td>
</tr>
<tr>
<td></td>
<td><strong>Notes:</strong></td>
</tr>
<tr>
<td></td>
<td>• Certain options are not available on selected printer models.</td>
</tr>
<tr>
<td></td>
<td>• <strong>Enable</strong> is the factory default setting</td>
</tr>
<tr>
<td>Update Code</td>
<td>Enables or disables the ability of the printer to update its firmware code from a USB device</td>
</tr>
<tr>
<td></td>
<td><strong>Note:</strong> <strong>Enable</strong> is the factory default setting</td>
</tr>
</tbody>
</table>

## Scan Settings

<table>
<thead>
<tr>
<th>Menu item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Format</td>
<td>Specifies the format of the file</td>
</tr>
<tr>
<td></td>
<td><strong>Note:</strong> <strong>PDF</strong> is the factory default setting.</td>
</tr>
<tr>
<td>PDF Version</td>
<td>Sets the version of the PDF file that will be scanned to USB</td>
</tr>
<tr>
<td></td>
<td><strong>Note:</strong> <strong>1.5</strong> is the factory default setting.</td>
</tr>
<tr>
<td>Content</td>
<td>Specifies the type of content that will be scanned to USB</td>
</tr>
<tr>
<td></td>
<td><strong>Notes:</strong></td>
</tr>
<tr>
<td></td>
<td>• Text is used when the document is mostly text.</td>
</tr>
<tr>
<td></td>
<td>• <strong>Text/Photo</strong> is the factory default setting. Text/Photo is used when the documents are mostly text or line art.</td>
</tr>
<tr>
<td></td>
<td>• Photograph is used when the document is a high-quality photograph or inkjet print.</td>
</tr>
<tr>
<td>Menu item</td>
<td>Description</td>
</tr>
<tr>
<td>---------------</td>
<td>----------------------------------------------------------------------------</td>
</tr>
<tr>
<td><strong>Color</strong></td>
<td>Specifies whether a job prints in grayscale or color</td>
</tr>
<tr>
<td>Gray</td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td></td>
</tr>
<tr>
<td><strong>Resolution</strong></td>
<td>Specifies how many dots per inch are scanned</td>
</tr>
<tr>
<td>75</td>
<td></td>
</tr>
<tr>
<td>150</td>
<td></td>
</tr>
<tr>
<td>200</td>
<td></td>
</tr>
<tr>
<td>300</td>
<td></td>
</tr>
<tr>
<td>400</td>
<td></td>
</tr>
<tr>
<td>600</td>
<td></td>
</tr>
<tr>
<td><strong>Darkness</strong></td>
<td>Lightens or darkens the output</td>
</tr>
<tr>
<td>-4 to +4</td>
<td></td>
</tr>
<tr>
<td><strong>Orientation</strong></td>
<td>Specifies the orientation of the scanned image</td>
</tr>
<tr>
<td>Portrait</td>
<td></td>
</tr>
<tr>
<td>Landscape</td>
<td></td>
</tr>
<tr>
<td><strong>Original Size</strong></td>
<td>Specifies the paper size of the document that is being scanned</td>
</tr>
<tr>
<td>Letter</td>
<td></td>
</tr>
<tr>
<td>Legal</td>
<td></td>
</tr>
<tr>
<td>Executive</td>
<td></td>
</tr>
<tr>
<td>Folio</td>
<td></td>
</tr>
<tr>
<td>Statement</td>
<td></td>
</tr>
<tr>
<td>Universal</td>
<td></td>
</tr>
<tr>
<td>4 x 6 in.</td>
<td></td>
</tr>
<tr>
<td>3 x 5 in.</td>
<td></td>
</tr>
<tr>
<td>Business Card</td>
<td></td>
</tr>
<tr>
<td>Custom Scan Size &lt;x&gt;</td>
<td></td>
</tr>
<tr>
<td>A4</td>
<td></td>
</tr>
<tr>
<td>A5</td>
<td></td>
</tr>
<tr>
<td>Oficio (Mexico)</td>
<td></td>
</tr>
<tr>
<td>A6</td>
<td></td>
</tr>
<tr>
<td>JIS B5</td>
<td></td>
</tr>
<tr>
<td><strong>Sides (Duplex)</strong></td>
<td>Specifies how the text and graphics are oriented on the page</td>
</tr>
<tr>
<td>Off</td>
<td></td>
</tr>
<tr>
<td>Long edge</td>
<td></td>
</tr>
<tr>
<td>Short edge</td>
<td></td>
</tr>
<tr>
<td><strong>Notes:</strong></td>
<td></td>
</tr>
<tr>
<td>Off is the factory default setting.</td>
<td></td>
</tr>
<tr>
<td>Long edge assumes binding along the long edge of the page (left edge for portrait orientation and top edge for landscape orientation).</td>
<td></td>
</tr>
<tr>
<td>Short edge assumes binding along the short edge of the page (top edge for portrait orientation and left edge for landscape orientation).</td>
<td></td>
</tr>
</tbody>
</table>
### Menu item

| JPEG Quality Text or Text/Photo 5–90 | Sets the quality of a JPEG text or text/photo image in relation to file size and the quality of the image.  
**Notes:**  
- 75 is the factory default setting.  
- 5 reduces the file size, but the quality of the image is lessened.  
- 90 provides the best image quality, but the file size is very large. |
|---|---|
| Photo JPEG Quality 5–90 | Sets the quality of a JPEG photo image in relation to file size and the quality of the image.  
**Notes:**  
- 50 is the factory default setting.  
- 5 reduces the file size, but the quality of the image is lessened.  
- 90 provides the best image quality, but the file size is very large. |
| Use Multi-Page TIFF  
On  
Off | Provides a choice between single-page TIFF files and multiple-page TIFF files. For a multiple-page scan to USB 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.  
**Notes:**  
- On is the factory default setting.  
- This menu item applies to all scan functions. |
| Scan bit Depth  
8 bit  
1 bit | Enables the Text/Photo mode to have smaller file sizes by using 1-bit images when Color is set to Off  
**Note:** 8 bit is the factory default setting. |
| Background Removal  
-4 to +4 | Adjusts the amount of background visible on a copy  
**Note:** 0 is the factory default setting. |
| Contrast  
0–5  
Best for content | Specifies the contrast of the output  
**Note:** “Best for content” is the factory default setting. |
| Shadow Detail  
-4 to +4 | Adjusts the amount of shadow detail visible on a scanned image  
**Note:** 0 is the factory default setting. |
| Scan edge to edge  
On  
Off | Specifies if the original document is scanned edge-to-edge  
**Note:** Off is the factory default setting. |
| Sharpness  
1–5 | Adjusts the sharpness of a scanned image  
**Note:** 3 is the factory default setting. |

### Print Settings

<table>
<thead>
<tr>
<th>Menu item</th>
<th>Description</th>
</tr>
</thead>
</table>
| Copies | Specifies the number of copies to print  
**Note:** 1 is the factory default setting. |
### Print Settings

#### Setup menu

<table>
<thead>
<tr>
<th>Menu item</th>
<th>Description</th>
</tr>
</thead>
</table>
| **Printer Language** | Determines which printer language the print server uses to send data to the printer  
PS Emulation  
PCL Emulation  
PPDS Emulation  
| Note: PS is the factory default setting. |
| **Print Area**      | Determines the print area on paper  
Normal  
Fit to Page  
Whole Page  
| Note: Normal is the factory default setting. |
| **Download Target** | Collects permanent resources that have been downloaded on the printer and automatically writes them to the flash drive  
RAM  
Flash  
| Note: RAM is the factory default setting. |
| **Resource Save**   | Saves the permanently downloaded resources  
On  
Off  
| Note: Off is the factory default setting. |

#### Finishing menu

**Note:** Certain options are not available on selected printer models.

<table>
<thead>
<tr>
<th>Menu item</th>
<th>Description</th>
</tr>
</thead>
</table>
| **Sides**               | Specifies whether duplex (2-sided) printing is set as the default for all print jobs  
2 Sided  
1 Sided  
| Note: 1 Sided is the factory default setting. |
| **Duplex Binding**      | 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  
Long Edge  
Short Edge  
| Notes:  
• Long Edge is the factory default setting.  
• Long Edge specifies that binding be placed on the left edge of portrait pages and the top edge of landscape pages.  
• Short Edge specifies that binding be placed on the top edge of portrait pages and the left edge of landscape pages. |
<table>
<thead>
<tr>
<th>Menu item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Copies</strong></td>
<td>Specifies a default number of copies for each print job</td>
</tr>
<tr>
<td>1–999</td>
<td>Note: 1 is the factory default setting.</td>
</tr>
<tr>
<td><strong>Blank Pages</strong></td>
<td>Specifies whether blank pages are inserted in a print job</td>
</tr>
<tr>
<td>Do Not Print</td>
<td>Note: “Do Not Print” is the factory default setting.</td>
</tr>
<tr>
<td>Print</td>
<td></td>
</tr>
<tr>
<td><strong>Collate</strong></td>
<td>Stacks the pages of a print job in sequence when printing multiple copies</td>
</tr>
<tr>
<td>On</td>
<td>Notes:</td>
</tr>
<tr>
<td>Off</td>
<td>• Off is the factory default setting. No pages will be collated.</td>
</tr>
<tr>
<td></td>
<td>• The On setting stacks the print job sequentially.</td>
</tr>
<tr>
<td></td>
<td>• Both settings print the entire job the number of times specified by the Copy</td>
</tr>
<tr>
<td></td>
<td>menu setting.</td>
</tr>
<tr>
<td><strong>Separator Sheets</strong></td>
<td>Specifies whether blank separator sheets are inserted</td>
</tr>
<tr>
<td>None</td>
<td>Notes:</td>
</tr>
<tr>
<td>Between Copies</td>
<td>• None is the factory default setting.</td>
</tr>
<tr>
<td>Between Jobs</td>
<td>• Between Copies inserts a blank sheet between each copy of a print job if</td>
</tr>
<tr>
<td>Between Pages</td>
<td>Collation is set to On. If Collation is set to Off, a blank page is inserted</td>
</tr>
<tr>
<td></td>
<td>• Between Jobs inserts a blank sheet between print jobs.</td>
</tr>
<tr>
<td></td>
<td>• Between Pages inserts a blank sheet between each page of the print job.</td>
</tr>
<tr>
<td></td>
<td>This setting is useful when printing transparencies or inserting blank pages</td>
</tr>
<tr>
<td></td>
<td>in a document for notes.</td>
</tr>
<tr>
<td><strong>Separator Source</strong></td>
<td>Specifies the paper source for separator sheets</td>
</tr>
<tr>
<td>Tray &lt;x&gt;</td>
<td>Note: Tray 1 (standard tray) is the factory default setting.</td>
</tr>
<tr>
<td>Multi-Page Feeder</td>
<td></td>
</tr>
<tr>
<td><strong>N-Up</strong></td>
<td>Specifies that multiple-page images are printed on one side of a sheet of</td>
</tr>
<tr>
<td>Off</td>
<td>Notes:</td>
</tr>
<tr>
<td>2 Up</td>
<td>• The number selected is the number of page images that will print per side</td>
</tr>
<tr>
<td>4 Up</td>
<td>• Off is the factory default setting.</td>
</tr>
<tr>
<td>6 Up</td>
<td></td>
</tr>
<tr>
<td>9 Up</td>
<td></td>
</tr>
<tr>
<td>16 Up</td>
<td></td>
</tr>
<tr>
<td><strong>N-Up Ordering</strong></td>
<td>Specifies how the page images appear on the physical page</td>
</tr>
<tr>
<td>Horizontal</td>
<td>Note: Horizontal is the factory default setting.</td>
</tr>
<tr>
<td>Reverse Horizontal</td>
<td></td>
</tr>
<tr>
<td>Reverse Vertical</td>
<td></td>
</tr>
<tr>
<td>Vertical</td>
<td></td>
</tr>
</tbody>
</table>
## Orientation

<table>
<thead>
<tr>
<th>Menu item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Orientation</strong></td>
<td>Specifies the orientation of a multiple-page sheet</td>
</tr>
<tr>
<td>Auto</td>
<td>Notes:</td>
</tr>
<tr>
<td>Landscape</td>
<td>• Auto is the factory default setting. The printer chooses between portrait and landscape.</td>
</tr>
<tr>
<td>Portrait</td>
<td>• Long Edge uses landscape.</td>
</tr>
<tr>
<td></td>
<td>• Short Edge uses portrait.</td>
</tr>
</tbody>
</table>

**N-Up Border**

<table>
<thead>
<tr>
<th>Menu item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>Prints a border around each page image</td>
</tr>
<tr>
<td>Solid</td>
<td>Notes:</td>
</tr>
<tr>
<td></td>
<td>• None is the factory default setting.</td>
</tr>
</tbody>
</table>

## Quality menu

<table>
<thead>
<tr>
<th>Menu item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Color Correction</strong></td>
<td>Adjusts the color output on the printed page</td>
</tr>
<tr>
<td>Auto</td>
<td>Notes:</td>
</tr>
<tr>
<td>Off</td>
<td>• Auto is the factory default setting. Auto applies different color conversion tables to each object on the printed page.</td>
</tr>
<tr>
<td>Manual</td>
<td>• Off turns off color correction.</td>
</tr>
<tr>
<td></td>
<td>• Manual allows customization of the color tables using the settings available from the Manual Color menu.</td>
</tr>
<tr>
<td></td>
<td>• Due to the differences in additive and subtractive colors, certain colors that appear on computer monitors are impossible to duplicate on the printed page.</td>
</tr>
</tbody>
</table>

**Print Resolution**

<table>
<thead>
<tr>
<th>Menu item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4800 CQ</td>
<td>Specifies the printed output resolution</td>
</tr>
<tr>
<td>1200 dpi</td>
<td>Notes:</td>
</tr>
<tr>
<td></td>
<td>• 4800 CQ is the factory default setting.</td>
</tr>
</tbody>
</table>

**Toner Darkness**

<table>
<thead>
<tr>
<th>Menu item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1–5</td>
<td>Lightens or darkens the printed output</td>
</tr>
<tr>
<td></td>
<td>Notes:</td>
</tr>
<tr>
<td></td>
<td>• 4 is the factory default setting.</td>
</tr>
<tr>
<td></td>
<td>• Selecting a smaller number can help conserve toner.</td>
</tr>
</tbody>
</table>

**Enhance Fine Lines**

<table>
<thead>
<tr>
<th>Menu item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>On</td>
<td>Creates smoother lines with sharper edges</td>
</tr>
<tr>
<td>Off</td>
<td>Notes:</td>
</tr>
<tr>
<td></td>
<td>• Off is the factory default setting.</td>
</tr>
<tr>
<td></td>
<td>• This feature improves the printed output of CAD-type drawings (e.g. circuit diagrams, architectural prints, etc.).</td>
</tr>
</tbody>
</table>

**Color Saver**

<table>
<thead>
<tr>
<th>Menu item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>On</td>
<td>Reduces the amount of toner used for graphics and images. The amount of toner used for text is not reduced.</td>
</tr>
<tr>
<td>Off</td>
<td>Notes:</td>
</tr>
<tr>
<td></td>
<td>• Off is the factory default setting.</td>
</tr>
<tr>
<td></td>
<td>• On overrides Toner Darkness settings.</td>
</tr>
<tr>
<td>Menu item</td>
<td>Description</td>
</tr>
<tr>
<td>----------------</td>
<td>-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td><strong>RGB Brightness</strong></td>
<td>Adjusts brightness in color outputs  &lt;br&gt;<strong>Notes:</strong>  &lt;br&gt;• 0 is the factory default setting.  &lt;br&gt;• This menu item does not affect files that use CMYK color specifications.</td>
</tr>
<tr>
<td><strong>-6 to +6</strong></td>
<td></td>
</tr>
<tr>
<td><strong>RGB Contrast</strong></td>
<td>Adjusts contrast in color outputs  &lt;br&gt;<strong>Notes:</strong>  &lt;br&gt;• 0 is the factory default setting.  &lt;br&gt;• This menu item does not affect files that use CMYK color specifications.</td>
</tr>
<tr>
<td><strong>0–5</strong></td>
<td></td>
</tr>
<tr>
<td><strong>RGB Saturation</strong></td>
<td>Adjusts saturation in color outputs  &lt;br&gt;<strong>Notes:</strong>  &lt;br&gt;• 0 is the factory default setting.  &lt;br&gt;• This menu item does not affect files that use CMYK color specifications.</td>
</tr>
<tr>
<td><strong>0–5</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Color Balance</strong></td>
<td>Lets you make subtle color adjustments to the printer output by individually altering the amount of toner being used for each color plane. Specifies the amount of color from -5 to +5.  &lt;br&gt;<strong>Note:</strong> 0 is the factory default setting.</td>
</tr>
<tr>
<td>Cyan</td>
<td></td>
</tr>
<tr>
<td>Magenta</td>
<td></td>
</tr>
<tr>
<td>Yellow</td>
<td></td>
</tr>
<tr>
<td>Black</td>
<td></td>
</tr>
<tr>
<td>Reset Defaults</td>
<td></td>
</tr>
<tr>
<td><strong>Color Samples</strong></td>
<td>Prints sample pages for each of the RGB and CMYK color conversion tables used in the printer  &lt;br&gt;<strong>Notes:</strong>  &lt;br&gt;• Selecting any setting prints the sample.  &lt;br&gt;• Color samples consist of a series of colored boxes along with the RGB or CMYK combination that creates the color observed. These pages can be used to help decide which combinations to use to get the desired printed output.  &lt;br&gt;• From a browser window, type the IP address of the printer to access a complete list of color sample pages from the Embedded Web Server.</td>
</tr>
<tr>
<td>sRGB Display</td>
<td></td>
</tr>
<tr>
<td>sRGB Vivid</td>
<td></td>
</tr>
<tr>
<td>Display—True Black</td>
<td></td>
</tr>
<tr>
<td>Vivid</td>
<td></td>
</tr>
<tr>
<td>Off—RGB</td>
<td></td>
</tr>
<tr>
<td>US CMYK</td>
<td></td>
</tr>
<tr>
<td>Euro CMYK</td>
<td></td>
</tr>
<tr>
<td>Vivid CMYK</td>
<td></td>
</tr>
<tr>
<td>Off—CMYK</td>
<td></td>
</tr>
</tbody>
</table>
### Manual Color (RGB)

<table>
<thead>
<tr>
<th>Menu item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RGB Image</td>
<td>Customizes the RGB color conversions. The values for each setting are:</td>
</tr>
<tr>
<td>RGB Text</td>
<td>Vivid</td>
</tr>
<tr>
<td>RGB Graphics</td>
<td>sRGB Display</td>
</tr>
<tr>
<td></td>
<td>Display—True Black</td>
</tr>
<tr>
<td></td>
<td>sRGB Vivid</td>
</tr>
<tr>
<td></td>
<td>Off</td>
</tr>
</tbody>
</table>

**Notes:**
- Vivid applies a color conversion table that produces brighter, more saturated colors.
- sRGB Display is the factory default setting for RGB Image. This applies a color conversion table to an output that matches the colors displayed on a computer monitor.
- Display—True Black applies a color conversion table that uses only black toner for neutral gray colors.
- sRGB Vivid is the factory default setting for RGB Text and RGB Graphics. sRGB Vivid applies a color conversion table that increases saturation. This is preferred for business graphics and text.
- Off turns off color conversion.

### Manual Color (CMYK)

<table>
<thead>
<tr>
<th>Menu item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMYK Image</td>
<td>Customizes the CMYK color conversions. The values for each setting are:</td>
</tr>
<tr>
<td>CMYK Text</td>
<td>USCMYK</td>
</tr>
<tr>
<td>CMYK Graphics</td>
<td>EuroCMYK</td>
</tr>
<tr>
<td></td>
<td>Vivid CMYK</td>
</tr>
<tr>
<td></td>
<td>Off</td>
</tr>
</tbody>
</table>

**Notes:**
- USCMYK is the US factory default setting
- EuroCMYK is the International factory default setting
- Vivid CMYK applies a color conversion table that produces brighter, more saturated colors.
- Off turns off color conversion.

### Color Adjust

Initiates an automatic color adjust calibration.

### Utilities menu

<table>
<thead>
<tr>
<th>Menu item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hex Trace</td>
<td>Assists in isolating the source of a print job problem</td>
</tr>
</tbody>
</table>

**Notes:**
- When Hex Trace is activated, all data sent to the printer is printed in hexadecimal and character representation, and control codes are not executed.
- To exit Hex Trace, turn the printer off.
### Menu item

<table>
<thead>
<tr>
<th>Menu item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Coverage Estimator</strong></td>
<td>Provides an estimate of the percentage coverage of cyan, magenta, yellow, and black on a page. The estimate is printed on a separator page.</td>
</tr>
<tr>
<td>Off</td>
<td>Notes:</td>
</tr>
<tr>
<td></td>
<td>• Off is the factory default setting.</td>
</tr>
<tr>
<td>On</td>
<td>• This menu item is not available on selected printer models.</td>
</tr>
</tbody>
</table>

### PDF menu

<table>
<thead>
<tr>
<th>Menu item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Scale to Fit</strong></td>
<td>Scales page content to fit the selected page size</td>
</tr>
<tr>
<td>No</td>
<td>Note: No is the factory default setting.</td>
</tr>
<tr>
<td>Yes</td>
<td></td>
</tr>
</tbody>
</table>

| **Annotations**   | Specifies whether to print annotations in the PDF  |
| Do Not Print      | Note: Do Not Print is the factory default setting.  |
| Print             |  |

### PostScript menu

<table>
<thead>
<tr>
<th>Menu item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Print PS Error</strong></td>
<td>Prints a page containing the PostScript error</td>
</tr>
<tr>
<td>On</td>
<td>Note: Off is the factory default setting.</td>
</tr>
<tr>
<td>Off</td>
<td></td>
</tr>
</tbody>
</table>

| **Image Smoothing** | Enhances the contrast and sharpness of low-resolution images and smooths their color transitions  |
| On                  | Notes:  |
| Off                 | • Off is the factory default setting.  |

| Image Smoothing     | • Image Smoothing has no effect on images that are 300 dpi or higher in resolution.  |
| Off                 |  |

### PCL Emul menu

<table>
<thead>
<tr>
<th>Menu item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Font Source</strong></td>
<td>Specifies the set of fonts used by the Font Name menu item</td>
</tr>
<tr>
<td>Resident</td>
<td>Notes:</td>
</tr>
<tr>
<td>Download</td>
<td>• Resident is the factory default setting. It shows the factory default set of fonts downloaded into RAM.</td>
</tr>
<tr>
<td>All</td>
<td>• Download shows all the fonts downloaded into RAM.</td>
</tr>
</tbody>
</table>

<p>| Font Source       | • All shows all fonts available to any option.  |
| Download          |  |
| All               |  |</p>
<table>
<thead>
<tr>
<th>Menu item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Font Name</strong></td>
<td>Identifies a specific font and the option where it is stored</td>
</tr>
<tr>
<td>RO Courier</td>
<td>Notes:</td>
</tr>
<tr>
<td></td>
<td>• RO Courier is the factory default setting.</td>
</tr>
<tr>
<td></td>
<td>• RO Courier shows the font name, font ID, and storage location in the</td>
</tr>
<tr>
<td></td>
<td>printer. The font source abbreviation is R for Resident, F for Flash, and D</td>
</tr>
<tr>
<td></td>
<td>for Download.</td>
</tr>
<tr>
<td><strong>Symbol Set</strong></td>
<td>Specifies the symbol set for each font name</td>
</tr>
<tr>
<td>10U PC-8</td>
<td>Notes:</td>
</tr>
<tr>
<td>12U PC-850</td>
<td>• 10U PC-8 is the US factory default setting.</td>
</tr>
<tr>
<td></td>
<td>• 12U PC-850 is the international factory default setting.</td>
</tr>
<tr>
<td></td>
<td>• A symbol set is a set of alphabetic and numeric characters, punctuation,</td>
</tr>
<tr>
<td></td>
<td>and special symbols. Symbol sets support the different languages or</td>
</tr>
<tr>
<td></td>
<td>specific programs such as math symbols for scientific text. Only the</td>
</tr>
<tr>
<td></td>
<td>supported symbol sets are shown.</td>
</tr>
<tr>
<td><strong>PCL Emulation Settings</strong></td>
<td>Changes the point size for scalable typographic fonts</td>
</tr>
<tr>
<td>Point Size</td>
<td>Notes:</td>
</tr>
<tr>
<td>1.00–1008.00</td>
<td>• 12 is the factory default setting.</td>
</tr>
<tr>
<td></td>
<td>• Point Size refers to the height of the characters in the font. One point</td>
</tr>
<tr>
<td></td>
<td>equals approximately 1/72 of an inch.</td>
</tr>
<tr>
<td></td>
<td>• Point sizes can be increased or decreased in 0.25-point increments.</td>
</tr>
<tr>
<td><strong>PCL Emulation Settings</strong></td>
<td>Specifies the font pitch for scalable monospaced fonts</td>
</tr>
<tr>
<td>Pitch</td>
<td>Notes:</td>
</tr>
<tr>
<td>0.08–100</td>
<td>• 10 is the factory default setting.</td>
</tr>
<tr>
<td></td>
<td>• Pitch refers to the number of fixed-space characters per inch (cpi).</td>
</tr>
<tr>
<td></td>
<td>• Pitch can be increased or decreased in 0.01-cpi increments.</td>
</tr>
<tr>
<td></td>
<td>• For nonscalable monospaced fonts, the pitch appears on the display but</td>
</tr>
<tr>
<td></td>
<td>cannot be changed.</td>
</tr>
<tr>
<td><strong>PCL Emulation Settings</strong></td>
<td>Specifies the orientation of text and graphics on the page</td>
</tr>
<tr>
<td>Orientation</td>
<td>Notes:</td>
</tr>
<tr>
<td>Portrait</td>
<td>• Portrait is the factory default setting.</td>
</tr>
<tr>
<td>Landscape</td>
<td>• Portrait prints text and graphics parallel to the short edge of the page.</td>
</tr>
<tr>
<td></td>
<td>• Landscape prints text and graphics parallel to the long edge of the page.</td>
</tr>
<tr>
<td><strong>PCL Emulation Settings</strong></td>
<td>Specifies the number of lines that print on each page</td>
</tr>
<tr>
<td>Lines per Page</td>
<td>Notes:</td>
</tr>
<tr>
<td>1–255</td>
<td>• 60 is the US factory default setting. 64 is the international factory</td>
</tr>
<tr>
<td>60</td>
<td>default setting.</td>
</tr>
<tr>
<td>64</td>
<td>• The printer sets the amount of space between each line based on the</td>
</tr>
<tr>
<td></td>
<td>Lines per Page, Paper Size, and Orientation settings. Select the desired</td>
</tr>
<tr>
<td></td>
<td>Paper Size and Orientation before setting Lines per Page.</td>
</tr>
</tbody>
</table>
## Menu item | Description
---|---
### PCL Emulation Settings
- **A4 Width**
  - 198 mm
  - 203 mm
  Sets the printer to print on A4-size paper
  **Notes:**
  - 198 mm is the factory default setting.
  - The 203-mm setting sets the width of the page to allow the printing of eighty 10-pitch characters.

### PCL Emulation Settings
- **Auto CR after LF**
  - **On**
  - **Off**
  Specifies whether the printer automatically performs a carriage return (CR) after a line feed (LF) control command
  **Notes:**
  - Off is the factory default setting.
  - Setting alterations are duplicated in the PPDS menu.

### PCL Emulation Settings
- **Auto LF after CR**
  - **On**
  - **Off**
  Specifies whether the printer automatically performs a line feed (LF) after a carriage return (CR) control command
  **Notes:**
  - Off is the factory default setting.
  - Setting alterations are duplicated in the PPDS menu.

### Tray Renumber
- **Assign MP Feeder**
  - **Off**
  - **None**
  - **0–199**
  Configures the printer to work with printer software or programs that use different source assignments for trays, drawers, and feeders
  **Notes:**
  - Off is the factory default setting.
  - None is not an available selection. It is displayed only when it is selected by the PCL 5 interpreter.
  - None ignores the Select Paper Feed command.
  - 0–199 allows a custom setting to be assigned.

- **Assign Tray <x>**
  - **Off**
  - **None**
  - **0–199**

- **Assign Manual Paper**
  - **Off**
  - **None**
  - **0–199**

- **Assign Man Env**
  - **Off**
  - **None**
  - **0–199**

### Tray Renumber
- **View Factory Def**
  - **None**
  Displays the factory default setting assigned to each tray, drawer, or feeder

### Tray Renumber
- **Restore Defaults**
  - **Yes**
  - **No**
  Returns all tray, drawer, and feeder assignments to the factory default settings
## Image menu

<table>
<thead>
<tr>
<th>Menu item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Auto Fit</strong></td>
<td>Selects the optimal paper size, scaling, and orientation</td>
</tr>
<tr>
<td>On</td>
<td>Notes:</td>
</tr>
<tr>
<td>Off</td>
<td>• On is the factory default setting.</td>
</tr>
<tr>
<td></td>
<td>• The On setting overrides scaling and orientation settings for some images.</td>
</tr>
<tr>
<td><strong>Invert</strong></td>
<td>Inverts bi-tonal monochrome images</td>
</tr>
<tr>
<td>On</td>
<td>Notes:</td>
</tr>
<tr>
<td>Off</td>
<td>• Off is the factory default setting.</td>
</tr>
<tr>
<td></td>
<td>• The font size can be increased in 1-point increments.</td>
</tr>
<tr>
<td></td>
<td>• This setting does not apply to GIF or JPEG images.</td>
</tr>
<tr>
<td><strong>Scaling</strong></td>
<td>Scales the image to fit the selected paper size</td>
</tr>
<tr>
<td>Anchor Top Left</td>
<td>Note: Best Fit is the factory default setting.</td>
</tr>
<tr>
<td>Best Fit</td>
<td></td>
</tr>
<tr>
<td>Anchor Center</td>
<td></td>
</tr>
<tr>
<td>Fit Height/Width</td>
<td></td>
</tr>
<tr>
<td>Fit Height</td>
<td></td>
</tr>
<tr>
<td>Fit Width</td>
<td></td>
</tr>
<tr>
<td><strong>Orientation</strong></td>
<td>Sets the image orientation</td>
</tr>
<tr>
<td>Portrait</td>
<td>Note: Portrait is the factory default setting.</td>
</tr>
<tr>
<td>Landscape</td>
<td></td>
</tr>
<tr>
<td>Rev Portrait</td>
<td></td>
</tr>
<tr>
<td>Rev Landscape</td>
<td></td>
</tr>
</tbody>
</table>

## PictBridge menu

<table>
<thead>
<tr>
<th>Menu item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Photo Size</strong></td>
<td>Controls the printed size of each photo printed from a PictBridge-enabled device</td>
</tr>
<tr>
<td>Auto</td>
<td>Notes:</td>
</tr>
<tr>
<td>L</td>
<td>• Auto is the factory default setting.</td>
</tr>
<tr>
<td>2L</td>
<td>• If both the printer and the PictBridge-enabled camera have a value for this setting, the value in the camera supersedes the value in the printer.</td>
</tr>
<tr>
<td>Hagaki Postcard</td>
<td></td>
</tr>
<tr>
<td>Card Size</td>
<td></td>
</tr>
<tr>
<td>100 x 150 mm</td>
<td></td>
</tr>
<tr>
<td>4 x 6 in</td>
<td></td>
</tr>
<tr>
<td>8 x 10 in</td>
<td></td>
</tr>
<tr>
<td>Letter</td>
<td></td>
</tr>
<tr>
<td>A4</td>
<td></td>
</tr>
<tr>
<td>A5</td>
<td></td>
</tr>
<tr>
<td>JIS B5</td>
<td></td>
</tr>
</tbody>
</table>
### Menu item Description

<table>
<thead>
<tr>
<th>Layout</th>
<th>Determines the maximum number of images that can print on one side of paper</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auto</td>
<td></td>
</tr>
<tr>
<td>Off</td>
<td></td>
</tr>
<tr>
<td>2 Up</td>
<td></td>
</tr>
<tr>
<td>3 Up</td>
<td></td>
</tr>
<tr>
<td>4 Up</td>
<td></td>
</tr>
<tr>
<td>6 Up</td>
<td></td>
</tr>
<tr>
<td>9 Up</td>
<td></td>
</tr>
<tr>
<td>12 Up</td>
<td></td>
</tr>
<tr>
<td>16 Up</td>
<td></td>
</tr>
<tr>
<td>Index Print</td>
<td></td>
</tr>
</tbody>
</table>

**Notes:**
- Auto is the factory default setting.
- If both the printer and the PictBridge-enabled camera have a value for this setting, the value in the camera supersedes the value in the printer.

<table>
<thead>
<tr>
<th>Quality</th>
<th>Determines which resolution, toner darkness, and color saver values the device uses when printing photos sent from a PictBridge-enabled device</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal</td>
<td></td>
</tr>
<tr>
<td>Draft</td>
<td></td>
</tr>
<tr>
<td>Fine</td>
<td></td>
</tr>
</tbody>
</table>

**Notes:**
- Normal is the factory default setting.
- If both the printer and the PictBridge-enabled camera have a value for this setting, the value in the camera supersedes the value in the printer.

<table>
<thead>
<tr>
<th>Paper Source</th>
<th>Identifies the printer default input source when printing photos from a PictBridge-enabled device</th>
</tr>
</thead>
<tbody>
<tr>
<td>MP Feeder</td>
<td></td>
</tr>
<tr>
<td>Tray &lt;x&gt;</td>
<td></td>
</tr>
<tr>
<td>Manual Paper</td>
<td></td>
</tr>
</tbody>
</table>

**Notes:**
- MP Feeder is the factory default setting.
- A photo size larger than the size of the media installed in the printer input source cannot be selected.

### Set Date and Time

<table>
<thead>
<tr>
<th>Menu item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>View Date/Time</td>
<td>Displays the time in YYYY-MM-DD HH:MM format</td>
</tr>
<tr>
<td></td>
<td><strong>Note:</strong> This is a view only screen.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Set Date/Time</th>
<th>Instructs the printer to run the setup wizard</th>
</tr>
</thead>
</table>
| Yes           | **Notes:**
- Yes is the factory default setting.
- After completing the setup wizard by selecting Done at the Country/Region select screen, the default becomes No. |
<table>
<thead>
<tr>
<th>Menu item</th>
<th>Description</th>
</tr>
</thead>
</table>
| **Time Zone (North, Central, and South America)** | Specifies the time zone for the fax  
**Note:** * indicates that this value does not have pre-programmed Daylight Savings Time Start and End times. |
| Hawaii *                         |                                                                                                                                               |
| Alaska                           |                                                                                                                                               |
| Tijuana (PST)                    |                                                                                                                                               |
| USA/Canada PST                   |                                                                                                                                               |
| USA/Canada MST                   |                                                                                                                                               |
| USA/Canada CST                   |                                                                                                                                               |
| USA/Canada EST                   |                                                                                                                                               |
| Canada AST                       |                                                                                                                                               |
| Caracas (VET)                    |                                                                                                                                               |
| Newfoundland (NST)              |                                                                                                                                               |
| Brasilia (BRT)                   |                                                                                                                                               |
| **Time Zone (Europe and Africa)** | Specifies the time zone for the fax  
**Note:** * indicates that this value does not have pre-programmed Daylight Savings Time Start and End times. |
| Azores (AZOT)                    |                                                                                                                                               |
| Praia (CVT) *                    |                                                                                                                                               |
| GMT (*)                          |                                                                                                                                               |
| Dublin, Ireland                  |                                                                                                                                               |
| London (BST)                     |                                                                                                                                               |
| Western Europe                   |                                                                                                                                               |
| Central Europe                   |                                                                                                                                               |
| Eastern Europe                   |                                                                                                                                               |
| Cairo (EET)                      |                                                                                                                                               |
| Pretoria (SAST) *                |                                                                                                                                               |
| Moscow (MSK)                     |                                                                                                                                               |
| **Time Zone (Asia)**             | Specifies the time zone for the fax  
**Note:** * indicates that this value does not have pre-programmed Daylight Savings Time Start and End times. |
<p>| Jerusalem (IST)                  |                                                                                                                                               |
| Abu Dhabi GIST)*                 |                                                                                                                                               |
| Kabul (AFT) *                    |                                                                                                                                               |
| Islamabad (PKT) *                |                                                                                                                                               |
| New Delhi (IST) *                |                                                                                                                                               |
| Kathmandu (NPT) *                |                                                                                                                                               |
| Astana (ALMT) *                  |                                                                                                                                               |
| Yangon (MMT) *                   |                                                                                                                                               |
| Bangkok (ICT) *                  |                                                                                                                                               |
| Beijing (CST) *                  |                                                                                                                                               |
| Seoul (KST) *                    |                                                                                                                                               |
| Tokyo (JST) *                    |                                                                                                                                               |</p>
<table>
<thead>
<tr>
<th>Menu item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Time Zone (Australia and the</strong></td>
<td>Specifies the time zone for the fax <strong>Note:</strong> * indicates that this value *</td>
</tr>
<tr>
<td><strong>Pacific region)</strong></td>
<td>does not have pre-programmed Daylight Savings Time Start and End times.</td>
</tr>
<tr>
<td>Australia WST</td>
<td></td>
</tr>
<tr>
<td>Australia CST Darwin (CST) *</td>
<td></td>
</tr>
<tr>
<td>Australia EST</td>
<td></td>
</tr>
<tr>
<td>Queensland (EST) *</td>
<td></td>
</tr>
<tr>
<td>Tasmania (EST)</td>
<td></td>
</tr>
<tr>
<td>Wellington (NZST)</td>
<td></td>
</tr>
<tr>
<td>Not Listed</td>
<td></td>
</tr>
<tr>
<td><strong>Observe DST</strong></td>
<td>Accommodates Daylight Savings Time changes <strong>Note:</strong> On is the factory</td>
</tr>
<tr>
<td><strong>On</strong></td>
<td>default setting.</td>
</tr>
<tr>
<td><strong>Off</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Enable NTP</strong></td>
<td>Lets the printer clock synchronize with the Network Time Protocol (NTP)</td>
</tr>
<tr>
<td><strong>On</strong></td>
<td>server <strong>Note:</strong> On is the factory default setting.</td>
</tr>
<tr>
<td><strong>Off</strong></td>
<td></td>
</tr>
</tbody>
</table>
Understanding printer messages

List of status and error messages

Access USB after scan
A USB drive was inserted into the printer while the printer was scanning. From the keypad, press 1 to open the drive after scanning, or press 2 to ignore the USB drive.

Access USB now
A USB drive was inserted into the printer while the printer was setting up a job (copy, fax, e-mail, or FTP) or while in the menus. From the keypad, press 1 to release job resources and access the USB drive directly, or press 2 to ignore the USB drive and return to the job being set up.

Busy
Wait for the message to clear.

Calibrating
Wait for the message to clear.

Call complete
A fax call is completed. Wait for the message to clear.

Cancel not available
Wait for the message to clear.

Canceling
Wait for the message to clear.

Check Config ID
The printer configuration ID is invalid. Contact Customer Support.

Clock battery
The real-time clock in the printer has a malfunctioning battery. This message appears until the real-time clock battery is replaced.
Close door
Close the upper and lower doors.

<color> Low
Replace the toner cartridge, and then wait for the message to clear.

Dialing
A fax number is dialed. If the number is too long to fit on the screen, only the word Dialing appears. Wait for the message to clear.

DO NOT TOUCH
The printer is receiving a code to update a file. Wait for the message to clear.

Warning—Potential Damage: Do not turn off or touch the printer while this message appears on the display.

Fax complete
A fax that was sent or received is complete. Wait for the message to clear.

Fax failed
The fax failed to be sent. Wait for the message to clear.

Flushing buffer
Wait for the message to clear.

File corrupt
A file with a valid extension is detected, but the actual file type does not match the extension, or the file is corrupt.

Hex Trace
The printer is in Hex Trace mode.

With Hex Trace selected, all data sent to the printer is printed in hexadecimal and character representation. This is used to help isolate the source of a print job problem.

Note: Control codes are not executed.

To exit Hex Trace, turn the printer off, wait about 10 seconds, and then turn the printer on.

Imaging Kit
Replace the imaging kit, and then press to clear the message and continue printing.
Incoming call
This message appears when using manual fax mode. Press \( \text{\textbf{\text{n}}} \) to print a black only fax or \( \text{\textbf{\text{c}}} \) to print a color fax.

Insert Tray <x>
Insert the specified tray into the printer.

Invalid Engine Code
The engine code is invalid. Contact Customer Support.

Invalid Network Code
The network code is invalid. Contact Customer Support.

LADP connection error
The LADP server information is present but the printer is unable to communicate with the server, or the communication ended before the return of the search results.
- Wait for the message to clear and try searching for the address again.
- Contact your system support person.

Line busy
A fax number is dialed, but the fax line is busy. Wait for the message to clear.

Load <src> with <x>
Try one or more of the following:
- Load the paper tray or other source with the correct paper type and size.
- Press \( \text{\textbf{\text{x}}} \), and then press \( \text{\textbf{\text{c}}} \) to cancel printing.

Load single sheet feeder with <x>
Try one or more of the following:
- Load the manual feeder with the correct paper type and size.
  - If no paper is in the manual feeder, load a sheet, and then press \( \text{\textbf{\text{c}}} \) to clear the message and continue printing.
  - Press \( \text{\textbf{\text{c}}} \) to clear the message and continue printing.
    - The printer manually overrides the manual request, and then the job prints from an automatic source.
  - Press \( \text{\textbf{\text{x}}} \), and then press \( \text{\textbf{\text{c}}} \) to cancel printing.
  - Define a name for each custom type (Custom 1–6) using the MarkVision utility. When the printer is prompting for one of the custom types, which has been named, then only the custom name is displayed.
Maintenance
The printer needs maintenance. Call for service.

Memory full, cannot send faxes
The printer fax memory is full. Press \( \checkmark \) to clear the message and cancel the fax.
- Reduce the fax resolution and try to send the fax again.
- Reduce the number of pages in the fax and try to send the fax again.

Menus disabled
The printer menus are disabled. The printer settings cannot be changed from the printer control panel. Contact your system support person for help.

Note: When menus are disabled, it is still possible to cancel a print job.

No analog phone line
The analog phone line was not detected; the fax is disabled. Connect the printer to an analog phone line.

No answer
A fax number is dialed, but no connection is made. Wait for the message to clear.

No dial tone
The printer does not have a dial tone. Wait for the message to clear.

No recognized file types
Either there are no files saved on the USB drive, or the files saved are not supported. Convert files to any of the following supported file types: .pdf, .gif, .jpeg, .jpg, .bmp, .png, .tiff, .tif, .pcx, or .dcx.

PC Kit Life Warning
This is the final warning message for the photoconductor kit. The photoconductor kit is near exhaustion. The printer continues printing unless the value for the Cartridge Alarm is changed from the printer control panel or set to On from the Supply Notifications Web page (located on the Embedded Web Server).

If the setting is On, then the printer stops printing. Press \( \checkmark \) to select Continue. The printer continues to print until the photoconductor kit is completely exhausted. When the photoconductor kit is exhausted, replace it.
Phone in Use
The telephone attached to the printer is in use, or its handset is off the cradle.

1. Place the handset on the telephone cradle.
2. Press \( \text{ } \) to send a black only fax or \( \text{ } \) to send a color fax.
3. Enter the fax number.

Picture too large
The photo sent to the printer is larger than the current paper size. Press the arrow buttons until Closest photo size or Fit to page appears, and then press \( \text{ } \).

Power Saver
The printer is saving power while it waits for the next print job.
- Send a job to print.
- Touch \( \text{ } \) to warm the printer to normal operating temperature. Afterwards, Ready appears.

Printing error
A job sent from a USB drive was not successfully received. Wait for the message to clear and then try sending the job again.

Programming Code
The printer is receiving a file that is a code update. Wait for the message to clear.
Warning—Potential Damage: Do not turn the printer off while this message appears on the display.

Reading data
A PictBridge enabled device is connected, and the printer is reading data from the device. Wait for the message to clear.
Warning—Potential Damage: Do not remove the device or turn the printer power off while Reading data appears on the display.

Reading error (Remove drive)
The printer was reading information from a USB drive and encountered an error. The USB drive must be removed from the printer to clear the message.

Ready
The printer is ready to receive print jobs.
Receiving pXX

The printer is receiving a fax. pXX represents the number of pages received. Wait for the message to clear.

Reload printed pages in Tray <x>

- Press to clear the message and continue processing the second side of the sheet.
- Press , and then press to cancel printing.

Remote Management Active

The printer is offline while it configures settings. Wait for the message to clear.

Remove originals from the scanner ADF

Remove the paper from the ADF to clear the message and continue printing.

Remove packaging material

Check for and remove any packaging materials from the toner cartridges.

Remove paper from standard output bin

Remove the stack of paper from the standard exit bin.

Replace <color> cartridge

Replace the toner cartridge, and then press to clear the message and continue printing.

Replace PC Kit

This is the early warning message for the photoconductor kit. The printer continues printing unless the value for the Cartridge Alarm is changed from the printer control panel or set to On from the Supply Notifications Web page (located on the Embedded Web Server).

If the setting is On, then the printer stops printing. Press to select Continue and continue printing.

When the PC Kit Life Warning appears, order a new photoconductor kit.

Scan Document Too Long

The scan job exceeds the maximum number of pages. Press , and then press to cancel printing and clear the message.

Scan to USB failed

An attempt to create a file on the USB drive failed.
Try one or more of the following:

- Re-send the job.
- Reduce the scan resolution, and then try sending the job again.
- Remove the USB drive, reconnect it, and then try sending the job again.

**Scanner ADF Cover Open**

The ADF cover is open. The message clears when the cover is closed.

**Sending pXX**

The printer is sending a fax. \( pXX \) represents the number of pages received. Wait for the message to clear.

**Standard Exit Bin Full**

Empty the standard exit bin to clear the message and continue printing.

**Tray <x> Empty**

Try one or more of the following:

- Load the paper tray or other source with the correct paper type and size.
- Press \( \times \), and then press \( \checkmark \) to cancel the current job.

**Tray <x> Low**

Wait until the printer is not printing, and then load the paper tray or other source with the correct paper type and size.

**Tray <x> Missing**

Insert the specified tray into the printer.

**Unsupported USB device, please remove**

Remove the unrecognized USB device.

**Unsupported USB hub, please remove**

Remove the unrecognized USB hub.

**Unsupported Mode**

Remove the camera, and then change the mode to PictBridge. Reconnect the camera.
USB drive disabled
A USB drive was inserted into the printer, and the port is disabled. Contact your system support person.

Use camera controls to print
A recognized PictBridge-compatible camera is attached to the printer.

Waiting
The printer has received data to print, but is waiting for an End-of-Job command, a Form Feed command, or additional data.
Try one or more of the following:
- Press to print the contents of the buffer.
- Cancel the current print job.

Waiting, too many events
Wait for the message to clear.
Warning—Potential Damage: Do not turn the printer off while this message appears on the display.

30.yy <color> cartridge missing
Insert the missing toner cartridge to clear the message and continue printing.

31.yy Defective <color> Cartridge
Replace the defective toner cartridge with a new one.

31 Defective Imaging Kit
Replace the imaging kit.

32.yy Replace Unsupported <color> Cartridge
Replace the unsupported toner cartridge with a supported one.

34 Short paper
The printer paper size setting did not match the length of the paper that entered the printer.
Try one or more of the following:
- Press to clear the message and continue printing.
- Press and then press to cancel printing.
- Make sure the paper size setting matches the size of the paper in the tray.
35 Insufficient memory to support Resource Save feature

The printer lacks sufficient memory to save settings. Install additional memory, or press \checkmark to disable Resource Save and continue printing.

37 Insufficient memory to collate job

The printer prints the pages that were spooled prior to the collation message and collates the remainder of the print job.

Try one or more of the following:
- Press \checkmark to clear the message and continue printing.
- Press \(\times\), and then press \(\checkmark\) to cancel printing.

38 Memory Full

The printer does not have enough memory available to continue printing. You cannot press \(\checkmark\) because of this.

Try one or more of the following:
- Press \(\times\), and then press \(\checkmark\) to cancel printing.
- Simplify the print job by reducing the amount of text or graphics on a page and deleting unnecessary downloaded fonts or macros.
- Install additional printer memory.

39 Complex page, some data may not have printed

The page is too complex to print. Press \(\times\), and then press \(\checkmark\) to cancel printing.

40 <color> Invalid refill, change cartridge

Replace the toner cartridge with a new one.

50 PPDS Font Error

The printer has encountered a font error because a specific font may not be installed.

Try one or more of the following:
- Press \(\checkmark\) to clear the message and continue printing.
- The printer cannot find the requested font. From the PPDS menu, select Best Fit, and then select On. The printer will find a similar font and reformat the affected text.
- Press \(\times\), and then press \(\checkmark\) to cancel printing.

51 Defective flash detected

Press \(\checkmark\) to clear the message and continue printing.
52 Not enough free space in flash memory for resources

Try one or more of the following:

- Press  to clear the message and continue printing.
- Delete fonts, macros, and other data stored in flash memory.
- Upgrade to a larger capacity flash memory.
- Press , and then press  to cancel printing.

53 Unformatted flash detected

Try one or more of the following:

- Press  to clear the message and continue printing.
- Format the flash memory. If the message remains, the flash memory may be defective and require replacing.

54 Network <x> Software Error

The printer detects that a network port is installed, but cannot communicate with it. The printer disables all communication to the associated network interface.

Try one or more of the following:

- Press  to clear the message and 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.

56 Standard USB Port Disabled

Try one or more of the following:

- The printer discards any data received through the USB port. Press  to clear the message and continue printing.
- Make sure the USB Buffer menu item is not set to Disabled.

58 Too many flash options installed

Too many optional flash memory cards or too many optional firmware cards are installed on the printer.

Try one or more of the following:

- Press  to clear the message and continue printing.
- Remove extra flash options:
  1. Turn the printer off.
  2. Unplug the power cord from the wall outlet.
  3. Remove extra flash options.
  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. Remove and re-configure the additional trays.
   
   **Note:** If you installed both the optional 550-sheet tray and the 650-sheet duo drawer, then the optional 550-sheet tray must be installed as the first tray (configuring from the bottom up).
4. Connect the power cord to a properly grounded outlet.
5. Turn the printer back on.

59 Incompatible tray <x>

Only options designed specifically for this printer are supported.

Try one or more of the following:

- Remove the specified tray.
- Press [ ] to clear the message and continue printing without using the specified tray.

82 Replace waste toner box

Replace the waste toner bottle. For more information, see “Replacing the waste toner bottle” on page 181.

82.yy Waste toner box missing

Replace the waste toner bottle, and then press [ ] to clear the message and continue printing.

88.yy <color> Cartridge is low

Press [ ] to clear the message and continue printing.

88.yy Replace <color> Cartridge

Replace the toner cartridge.
150 displayed
The USB drive contains more than 150 files; only 150 files will be displayed.

200.yy Paper jam <area name>
1 Clear the paper path.
2 Press ✓ to clear the message and continue printing.

201.yy Paper jam <area name>
1 Clear the paper path.
2 Remove the jammed paper below the fuser.
3 Press ✓ to clear the message and continue printing.

202.yy Paper jam <area name>
1 Clear the paper path.
2 Remove the jammed paper from the fuser.
3 Press ✓ to clear the message and continue printing.

230.yy Paper jam <area name>
1 Clear the paper path.
2 Open the front door, and then remove the jammed paper.
3 Close the front door.
4 Press ✓ to clear the message and continue printing.
Note: When there is more than one jam, the message displays the number of pages jammed.

235 Paper Jam Check Duplex
An unsupported paper size is jammed in the duplex unit.
1 Open the front door
2 Remove the jam.
3 Load the tray with the correct paper size.
4 Press ✓ to continue printing.
24x Paper Jam Check Tray <x>

1. Pull the tray out.
2. Remove the jammed paper.
3. Insert the tray.

If all jams are cleared, the printer resumes printing.

Note: When there is more than one jam, the message indicates the number of pages jammed.

250.yy Paper jam <area name>

1. Clear the paper path.
2. Open the front door, and then remove the jammed paper.
3. Hold the fuser cover down, and then remove the jammed paper from inside the fuser.
4. Close the fuser cover, and then close the front door.
5. Press ☑ to clear the message and continue printing.

290–292 ADF Scanning Jams

The scanner failed to feed one or more pages through the ADF.

1. Remove all pages from the ADF.
   
   Note: The message clears when the pages are removed from the ADF.

2. Flex and fan the pages.
3. Place the pages in the ADF.
4. Adjust the ADF guides.

5. From the printer control panel, press ☑ to start a black only job or ☑ to start a color job.

293 Paper Missing

The scanner was instructed to scan using the ADF, but there is no paper in the ADF.

Note: The message clears when the pages are placed in the ADF.

1. Flex and fan the pages.
2. Place the pages in the ADF.
3. Adjust the ADF guides.

4. From the printer control panel, press ☑ to start a black only job or ☑ to start a color job.

293.02 Flatbed Cover Open

Close the scanner cover.
294 ADF Jam
This jam location may also be identified as 294.04 Duplex Sensor Off Jam, 294.05 Scan Sensor Off Jam, or 294.06 ADF Backfeed Jam. To clear this jam:

1. Remove all pages from the ADF.
   
   **Note:** The message clears when the pages are removed from the ADF.

2. Flex and fan the pages.

3. Place the pages in the ADF.

4. Adjust the ADF guides.

5. From the printer control panel, press \( \text{[Start]} \) to start a black only job or \( \text{[Color]} \) to start a color job.

840.01 Scanner Disabled
This message indicates that the scanner has been disabled by the system support person.

840.02 Scanner Auto Disabled
This message indicates the printer identified a problem with the scanner and automatically disabled it.

1. Remove all pages from the ADF.

2. Turn the printer off.

3. Wait 15 seconds and then turn the printer on.

4. Place the document in the ADF.

5. Press \( \text{[Start]} \) to start a black only job or \( \text{[Color]} \) to start a color job.

**Note:** If turning the printer off and then on again does not clear the message, contact your system support person.

940.01
Press down on the cyan toner cartridge to make sure it is installed properly. Turn the printer off, wait about 10 seconds, and then turn the printer back on

941.01
Press down on the magenta toner cartridge to make sure it is installed properly. Turn the printer off, wait about 10 seconds, and then turn the printer back on.

942.01
Press down on the yellow toner cartridge to make sure it is installed properly. Turn the printer off, wait about 10 seconds, and then turn the printer back on.
943.01
Press down on the black toner cartridge to make sure it is installed properly. Turn the printer off, wait about 10 seconds, and then turn the printer back on.

940.02
The cyan toner cartridge needs maintenance. Call for service.

941.02
The magenta toner cartridge needs maintenance. Call for service.

942.02
The yellow toner cartridge needs maintenance. Call for service.

943.02
The black toner cartridge needs maintenance. Call for service.

900–999 Service <message>
1 Turn the printer off.
2 Unplug the power cord from the wall outlet.
3 Check all cable connections.
4 Connect the power cord to a properly grounded outlet.
5 Turn the printer back on.

If the service message appears again, contact Customer Support, and report the message.
Maintaining the printer

Periodically, certain tasks are required to maintain optimum print quality.

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

You can check the status of printer supplies by printing a menu settings page:

1. Make sure the printer is on and Ready appears.
2. From the printer control panel, press .
3. Press the arrow buttons until Reports appears, and then press .
4. Press the arrow buttons until Menu Settings Page appears, and then press .

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.
   
   Note: If you do not know the IP address of the printer, print a network setup page 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, visit the Lexmark Web Site at www.lexmark.com or contact the place where you purchased the printer.

Note: All life estimates for printer supplies assume printing on letter- or A4-size plain paper.

Ordering toner cartridges

When **Cyan Cartridge Low**, **Magenta Cartridge Low**, **Yellow Cartridge Low**, or **Black Cartridge low** appears, order a new cartridge.

When **Replace Cyan Cartridge**, **Replace Magenta Cartridge**, **Replace Yellow Cartridge**, or **Replace Black Cartridge** appears, you must replace the specified toner cartridge.

<table>
<thead>
<tr>
<th>Part name</th>
<th>Part number</th>
<th>C540, C543, and X543 series</th>
<th>C544, X544, and X546 series</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black Return Program Toner Cartridge</td>
<td>C540A1KG</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Cyan Return Program Toner Cartridge</td>
<td>C540A1CG</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Magenta Return Program Toner Cartridge</td>
<td>C540A1MG</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Yellow Return Program Toner Cartridge</td>
<td>C540A1YG</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Black High Yield Return Program Toner Cartridge</td>
<td>C540H1KG</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Cyan High Yield Return Program Toner Cartridge</td>
<td>C540H1CG</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Magenta High Yield Return Program Toner Cartridge</td>
<td>C540H1MG</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Yellow High Yield Return Program Toner Cartridge</td>
<td>C540H1YG</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Black High Yield Toner Cartridge</td>
<td>C540H2KG</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Cyan High Yield Toner Cartridge</td>
<td>C540H2CG</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Magenta High Yield Toner Cartridge</td>
<td>C540H2MG</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Yellow High Yield Toner Cartridge</td>
<td>C540H2YG</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Black Extra High Yield Return Program Toner Cartridge</td>
<td>C544X1KG</td>
<td>Not supported</td>
<td>✓</td>
</tr>
<tr>
<td>Cyan Extra High Yield Return Program Toner Cartridge</td>
<td>C544X1CG</td>
<td>Not supported</td>
<td>✓</td>
</tr>
<tr>
<td>Part name</td>
<td>Part number</td>
<td>C540, C543, and X543 series</td>
<td>C544, X544, and X546 series</td>
</tr>
<tr>
<td>-----------------------------------------------</td>
<td>-------------</td>
<td>-----------------------------</td>
<td>-----------------------------</td>
</tr>
<tr>
<td>Magenta Extra High Yield Return Program Toner Cartridge</td>
<td>C544X1MG</td>
<td>Not supported</td>
<td>Yes</td>
</tr>
<tr>
<td>Yellow Extra High Yield Return Program Toner Cartridge</td>
<td>C544X1YG</td>
<td>Not supported</td>
<td>Yes</td>
</tr>
<tr>
<td>Black Extra High Yield Toner Cartridge</td>
<td>C544X2KG</td>
<td>Not supported</td>
<td>Yes</td>
</tr>
<tr>
<td>Cyan Extra High Yield Toner Cartridge</td>
<td>C544X2CG</td>
<td>Not supported</td>
<td>Yes</td>
</tr>
<tr>
<td>Magenta Extra High Yield Toner Cartridge</td>
<td>C544X2MG</td>
<td>Not supported</td>
<td>Yes</td>
</tr>
<tr>
<td>Yellow Extra High Yield Toner Cartridge</td>
<td>C544X2YG</td>
<td>Not supported</td>
<td>Yes</td>
</tr>
<tr>
<td>Black Extra High Yield Return Program Toner Cartridge</td>
<td>C546U1KG</td>
<td>Not supported</td>
<td>Yes</td>
</tr>
<tr>
<td>Black Extra High Yield Toner Cartridge</td>
<td>C546U2KG</td>
<td>Not supported</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Ordering imaging kits**

When Replace black and color imaging kit or Replace black imaging kit appears, order a replacement imaging kit.

<table>
<thead>
<tr>
<th>Part name</th>
<th>Part number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black and Color Imaging Kit</td>
<td>C540X71G</td>
</tr>
<tr>
<td>Black Imaging Kit</td>
<td>C540X74G</td>
</tr>
</tbody>
</table>

**Ordering a waste toner bottle**

When 82 Replace Waste Toner appears, order a replacement waste toner bottle. The waste toner bottle must be replaced when 82 Replace Waste Toner appears.

<table>
<thead>
<tr>
<th>Part name</th>
<th>Part number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Waste toner bottle</td>
<td>C540X75G</td>
</tr>
</tbody>
</table>
Replacing supplies

Replacing the waste toner bottle

Replace the waste toner bottle when 82 Replace waste toner appears. The printer will not continue printing until the waste toner bottle is replaced.

1 Unpack the replacement waste toner bottle.

2 Grasp the front door at the side handholds, and then pull it toward you.

**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.

3 Open the top door.
4 Remove the right side cover.

5 Press the green levers on each side of the waste toner bottle, and then remove it.

6 Place the waste toner bottle in the enclosed packaging.
7 Insert the new waste toner bottle.

8 Replace the right side cover.

9 Close the top door.
10 Close the front door.

Replacing a black imaging kit

Replace the black imaging kit when **Replace Black Imaging Kit** appears.

1 Grasp the front door at the side handholds, and then pull it toward you.

⚠ **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. Open the top door.

3. Remove the toner cartridges by lifting the handles, and then gently pulling away from the imaging kit.

4. Remove the right side cover.
5 Press the green levers on each side of the waste toner bottle, and then remove it.

6 Lift the blue levers on the imaging kit, and then pull it toward you.

7 Press down on the blue levers, grasp the green handles on the sides, and then pull the imaging kit out.

**Warning—Potential Damage:** Do not touch the underside of the imaging kit. This could damage the imaging kit.
8 Remove the yellow, cyan, and magenta developer units.

9 Unpack the replacement black imaging kit.
   Leave the packaging on the black developer unit.

10 Gently shake the black developer unit side to side.

11 Remove the red shipping cover from the black developer unit.

12 Insert the black developer unit.
13 Replace the yellow, cyan, and magenta developer units.

*Note:* Make sure each developer unit is inserted into a matching color slot.

14 Place the used black imaging kit in the enclosed package.

15 Align and insert the imaging kit.

16 Rotate the blue levers down until the imaging kit drops into place.
17  Replace the waste toner bottle.

18  Replace the right side cover.

19  Replace the toner cartridges.
20 Close the top door.

21 Close the front door.

Replacing a black and color imaging kit

Replace the black and color imaging kit when Replace Color Imaging Kit appears.

1 Grasp the front door at the side handholds, and then pull it toward you to open it.

⚠️ 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 Open the top door.

3 Remove the toner cartridges by lifting the handles, and then gently pulling away from the imaging kit.
4 Remove the right side cover.

5 Press the green levers on each side of the waste toner bottle, and remove it.

6 Lift the blue levers on the imaging kit, and then pull it toward you.

7 Press down on the blue levers, grasp the green handles on the sides, and then pull the imaging kit out.

**Warning—Potential Damage:** Do not touch the underside of the imaging kit. This could damage the imaging kit.
8 Unpack the replacement black and color imaging kit.
    Leave the packaging on the developer units.

9 Gently shake the yellow, cyan, magenta, and black developer units side to side.

10 Remove the red shipping cover from the yellow, cyan, magenta, and black developer units.

11 Insert the yellow, cyan, magenta, and black developer units.

12 Place the used black and color imaging kit in the enclosed package.
13 Align and insert the imaging kit.

14 Replace the waste toner bottle.
15 Replace the right side cover.

16 Replace the toner cartridges.

17 Close the top door.
18 Close the front door.

Replacing a toner cartridge

Replace the specified toner cartridge (yellow, cyan, magenta, or black) when Replace <color> Cartridge appears. The printer will not continue printing until the specified cartridge is replaced.

Warning—Potential Damage: Damage caused by use of a non-Lexmark toner cartridge is not covered under warranty.

Note: Degraded print quality may result from using non-Lexmark toner cartridges.

1 Make sure the printer is on and Ready or Replace <color> Cartridge appears.

2 Unpack the new cartridge, and set it near the printer.

3 Open the top door.
4 Remove the toner cartridge by lifting the handle, and then gently pulling away from the imaging kit.

5 Align the new toner cartridge, and then press down until it is all the way into the slot.
6 Close the top door.

Replacing a developer unit

Replace a developer unit when a print quality defect occurs or when damage occurs to the printer.

1 Grasp the front door at the side handholds, and then pull it toward you to open it.

⚠️ **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 Open the top door.

3 Remove the toner cartridges by lifting the handles and then gently pulling away from the imaging kit.

4 Remove the right side cover.
5 Press the green levers on each side of the waste toner bottle, and then remove it.

6 Lift the blue levers on the imaging kit, and then pull it toward you.

7 Press down on the blue levers, grasp the handles on the sides, and then pull the imaging kit out.

**Warning—Potential Damage:** Do not touch the underside of the imaging kit. This could damage the imaging kit.
8 Remove the used developer unit.

9 Place the used developer in the enclosed package.

10 Unpack the replacement developer unit.
   Leave the packaging on the developer unit.

11 Gently shake the developer unit side to side.

12 Remove the red shipping cover from the developer unit.

13 Insert the developer unit.
14 Align and insert the imaging kit.

15 Replace the waste toner bottle.
16 Replace the right side cover.

17 Replace the toner cartridges.

18 Close the top door.
19 Close the front door.

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 from the printer before proceeding.

2 Remove paper from the standard exit tray.

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 tray.

   Warning—Potential Damage: Using a damp cloth to clean the interior may cause damage to your printer.

5 Make sure the standard exit tray is 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.

Note: Clean both areas of the scanner glass and both white underside areas.

1. Slightly dampen a soft, lint-free cloth or paper towel with water.
2. Open the scanner cover.

3. Wipe the scanner glass until it is clean and dry.
4. Wipe the white underside of the scanner cover until it is clean and dry.
5. Close the scanner cover.

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 move 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.
Finding advanced networking and administrator information


Restoring the factory default settings

Menu settings marked with an asterisk (*) indicate the active settings. You can restore the original printer settings, often referred to as the factory default settings.

1. Make sure the printer is on and Ready appears.
2. From the printer control panel, press .
3. Press the arrow buttons until Settings appears, and then press .
4. Press the arrow buttons until General Settings appears, and then press .
5. Press the arrow buttons until Factory Defaults appears, and then press .
6. Press the arrow buttons until Restore Now appears, and then press .

Submitting changes appears briefly.
7. Press , and then press until Ready appears.

The following factory default settings are restored:

- All downloaded resources in the printer memory are deleted. This includes fonts, macros, and symbol sets.
- All settings return to the factory default settings except Printer Language in the Setup menu and custom settings in the Network and USB menus.

Using the Embedded Web Server

If the printer is installed on a network, the Embedded Web Server is available for a range of functions:

- Configuring printer settings
- Checking the status of the printer supplies
- Configuring network settings
- Viewing reports
- Restoring the factory default settings
- Viewing the virtual display
- Setting Web page password protect
- Setting Panel PIN protect
- Setting the date and time
To access 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 one of the tabs to access information about the printer, change settings, or view a report.

   **Note:** If the printer is connected to a computer by a USB or parallel cable, then open the Local Printer Settings Utility for Windows or Printer Settings for Macintosh to access printer menus.

### Setting up e-mail alerts

You can have the printer send you an e-mail when the supplies are getting low or when the paper needs to be changed, added, or unjammed.

To set up e-mail alerts:

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 in the e-mail addresses that you want to receive e-mail alerts.

5. Click **Submit**.

   **Note:** See your system support person to set up the e-mail server.

### 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.
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, uninterruptible 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.

Solving printing problems

Multiple-language PDFs do not print

The documents contain unavailable fonts.

1. Open the document you want to print in Adobe Acrobat.
2. Click the printer icon.
   The Print dialog appears.
3. Select **Print as image**.
4. Click **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 back on.

If **Performing Self Test** and **Ready** do not appear, turn the printer off and contact Customer Support.

Error message about reading USB drive appears

Make sure the USB drive is supported. For information regarding tested and approved USB flash memory devices, visit the Lexmark Web site at [www.lexmark.com](http://www.lexmark.com).
**Jobs do not print**

These are possible solutions. Try one or more of the following:

**MAKE SURE THE PRINTER IS READY TO PRINT**

Make sure Ready or Power Saver appears on the display before sending a job to print. Press □ to return the printer to the Ready state.

**CHECK TO SEE IF THE STANDARD EXIT BIN IS FULL**

Remove the stack of paper from the standard exit bin, and then press □.

**CHECK TO SEE IF THE PAPER TRAY IS EMPTY**

Load paper in the tray.

**MAKE SURE 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, 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.

Copies of the printer software are also available on the Lexmark Web site at www.lexmark.com.

**MAKE SURE YOU ARE USING A RECOMMENDED USB OR ETHERNET CABLE**

For more information, visit the Lexmark Web site at www.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.

**Job takes longer than expected to print**

These are possible solutions. 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 job.

**CHANGE THE Page Protect setting to Off**

1. From the printer control panel, press □.
2. Press the arrow buttons until Settings appears, and then press □.
3. Press the arrow buttons until Setup Menu appears, and then press □.
4. Press the arrow buttons until Print Recovery appears, and then press □.
5 Press the arrow buttons until Page Protect appears, and then press ✓.
6 Press the arrow buttons until Off appears, and then press ✓.

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.

Incorrect or strange characters print
- The print job may not have terminated properly. Turn the printer off and back on.
- 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.

Tray linking does not work
These are possible solutions. Try one or more of the following:

Note: The paper trays, manual feeder, and multipurpose feeder do not automatically sense the paper size. You must set the size from the Paper Size/Type menu.

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.

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 printer control panel Finishing menu, Print Properties, or the Print dialog, 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.

Unexpected page breaks occur
Increase the Print Timeout value:
1 From the printer control panel, press.
2 Press the arrow buttons until Settings appears, and then press.
3 Press the arrow buttons until General Settings appears, and then press.
4 Press the arrow buttons until Timeouts appears, and then press.
5 Press the arrow buttons until Print Timeout appears, and then press.
6 Press the arrow buttons until the desired value appears, and then press.

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 Open the scanner cover.
2 Remove any obstruction keeping the scanner unit open.
3 Close the scanner cover.

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

These are possible solutions. Try one or more of the following:

CHECK THE DISPLAY FOR ERROR MESSAGES
Clear any error messages.

THE TONER MAY BE LOW
When **88 Cartridge low** appears or when the print becomes faded, replace the toner cartridge.

THE SCANNER GLASS MAY BE DIRTY
Clean the scanner glass with a clean, lint-free cloth dampened with water.

THE COPY IS TOO LIGHT OR TOO DARK
Adjust the copy darkness setting.
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.

UNWANTED TONER IS IN THE BACKGROUND
- Adjust the darkness to a lighter setting.
- Change the Background Removal setting in the Copy Settings menu.

PATTERNS (MOIRÉ) APPEAR IN THE OUTPUT
- From the printer control panel, press the Content button until the light comes on next to Text/Photo or Photo.
- Rotate the original document on the scanner glass.
- From the printer control panel, press the Scale button and adjust the setting.

TEXT IS LIGHT OR DISAPPEARING
From the printer control panel, press the Content button until the light comes on next to Text or Text/Photo.

THE OUTPUT APPEARS WASHED OUT OR OVEREXPOSED
- From the printer control panel, press the Content button until the light comes on next to Text/Photo or Photo.
- From the printer control panel, press the Darkness button and change to a darker 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.

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, uninterrupted 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 205.

**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

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
These are possible solutions. Try one or more of the following:

CHECK TO SEE IF THE PAPER TRAY IS EMPTY
Load paper in the tray.

CHECK THE RING COUNT DELAY SETTINGS
The ring count delay sets the number of times the phone line 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 into 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.
3 Click Fax Settings.
4 Click Analog Fax Setup.
5 In the Rings to Answer box, enter the number of times you want the phone to ring before answering.
6 Click Submit.

**THE TONER MAY BE LOW**

88 <color> toner low appears when the toner is low.

**Can receive but not send faxes**

These are possible solutions. Try one or more of the following:

**MAKE SURE THE PRINTER IS IN FAX MODE**

From the printer control panel, press the Fax button to put the printer in Fax mode.

**MAKE SURE THE DOCUMENT IS 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**

These are possible solutions. Try one or more of the following:

**RE-SEND 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.

**THE TONER MAY BE LOW**

When 88 <color> toner low appears or when you experience faded print, replace the cartridge(s).
MAKE SURE THE FAX TRANSMISSION SPEED IS NOT SET TOO HIGH

Decrease the incoming fax transmission speed:

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 print a network setup page and locate the IP address in the TCP/IP section.

2. Click **Configuration**.

3. Click **Fax Settings**.

4. Click **Analog Fax Setup**.

5. In the Max Speed box, click on one of the following:
   
   - 2400
   - 4800
   - 9600
   - 14400
   - 33600

6. Click **Submit**.

Blocking junk faxes

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 print a network setup page and locate the IP address in the TCP/IP section.

2. Click **Configuration**.

3. Click **Fax Settings**.

4. Click **Analog Fax Setup**.

5. Click the **No Name Fax** option.

   This option blocks all incoming faxes that have a private caller ID or no fax station name.

6. In the Banned Fax List field, enter the phone numbers or fax station names of specific fax callers you want to block.

Solving option problems

**Option does not operate correctly or quits after it is installed**

These are possible solutions. Try one or more of the following:

**RESET THE PRINTER**

Turn the printer off, wait 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.
2. Unplug 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/publications 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 34.

Drawers

MAKE SURE THE PAPER IS LOADED CORRECTLY

1. Open the paper tray.
2. Check for paper jams or misfeeds.
3. Make sure paper guides are aligned against the edges of the paper.
4. Make sure the paper tray closes properly.
5. Close the door.

RESET THE PRINTER

Turn the printer off. Wait 10 seconds. Turn the printer back on.

Multipurpose feeder

CHECK THE MULTIPURPOSE FEEDER

Make sure the 650-sheet duo drawer (multipurpose feeder) is installed properly.

CLEAR ANY JAMS

Clear any jams in the multipurpose feeder.
CHECK THE POWER CORD CONNECTION

Make sure:
- The power cord is plugged into the printer and a properly grounded electrical outlet.
- The outlet has power.

CHECK THE PAPER

Use recommended paper and specialty media. For more information, see the chapter about paper and specialty media guidelines.

CHECK THE PAPER GUIDES

Move the guides in the tray to the correct position for the size loaded.

CHECK FOR SERVICE MESSAGES

If a service message appears, turn the printer off, wait about 10 seconds, and then turn the printer back on. If the error recurs, call for service.

Memory card

Make sure the memory card is securely connected to the printer system board.

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

The paper path is not clear. Clear jammed paper from the entire paper path, and then press ✅.

Page that jammed does not reprint after you clear the jam

In the Setup menu, Jam Recovery is set to Off. Set Jam Recovery to Auto or On:

1. Press 📅.
2. Press the arrow buttons until Settings appears, and then press ✅.
3. Press the arrow buttons until General settings appears, and then press ✅.
4. Press the arrow buttons until Print Recovery appears, and then press ✅.
5. Press the arrow buttons until Jam Recovery appears, and then press ✅.
6. Press the arrow buttons until On or Auto appears, and then press ✅.

Solving print quality problems

The information in the following topics may help you solve print quality problems. If these suggestions still do not correct the problem, contact Customer Support. You may have a printer part that requires adjustment or replacement.

Blank pages

These are possible solutions. Try one or more of the following:

PACKING MATERIAL MAY BE ON THE PRINT CARTRIDGE

Remove the print cartridge and make sure the packing material is properly removed. Reinstall the print cartridge.

THE TONER MAY BE LOW

When 88 Cartridge low appears, order a new print cartridge.

If the problem continues, the printer may need to be serviced. For more information, contact Customer Support.
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

These are possible solutions. 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, 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.

Dark lines

The imaging kit may be defective.

If Black and color imaging kit life warning or Black imaging kit life warning appears, replace the imaging kit.
Gray background

CHECK THE TONER DARKNESS SETTING

Select a lighter Toner Darkness setting:

- From the printer control panel, change the setting from the Quality menu.
- For Windows users, change the setting from Print Properties.
- For Macintosh users, change the setting from the Print dialog.

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, 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.
Light colored line, white line, or incorrectly colored line

These are possible solutions. Try one or more of the following:

**A TONER CARTRIDGE MAY BE DEFECTIVE**
Replace the defective toner cartridge.

**THE IMAGING KIT MAY BE DEFECTIVE**
Replace the imaging kit.

*Note:* The printer has two types of imaging kits: a black and color imaging kit, and a black imaging kit. The black and color imaging kit contains cyan, magenta, yellow, and black. The black imaging kit contains black only.

**Paper curl**

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.

**HAS THE PAPER ABSORBED MOISTURE DUE TO HIGH HUMIDITY?**
- Load paper from a fresh package.
- Store paper in its original wrapper until you use it.

**Print irregularities**

These are possible solutions. Try one or more of the following:
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.

CHECK THE PAPER TYPE SETTING

Make sure the paper type setting matches the paper loaded in the tray:

1. From the printer control panel, check the Paper Type setting from the Paper menu.
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.

CHECK THE PAPER

Avoid textured paper with rough finishes.

THE TONER MAY BE LOW

When 88 Cartridge low appears or when the print becomes faded, replace the print cartridge.

THE FUSER MAY BE WORN OR DEFECTIVE

Replace the fuser.

Repeating defects

REPEATING MARKS OCCUR MULTIPLE TIMES ON A PAGE

Print the Print defects guide and match the defects to the marks on one of the vertical lines. Follow the instructions on the Print defects guide to determine the cause of the repeating defects.

Skewed print

CHECK THE PAPER GUIDES

Move the guides in the tray to the correct positions for the paper size loaded.
CHECK THE PAPER

Make sure you are using paper that meets the printer specifications.

Print is too light

These are possible solutions. Try one or more of the following:

CALIBRATE THE COLOR

The printer automatically calibrates the colors whenever a new imaging kit is detected. If a cartridge is replaced, then you can calibrate the colors manually:

1. From the printer control panel, press .
2. From the Admin menu, press the arrow buttons until Settings appears, and then press .
3. Press the arrow buttons until Print menu appears, and then press .
4. Press the arrow buttons until Quality menu appears, and then press .
5. Press the arrow buttons until Color Adjust appears, and then press .

Calibrating appears.

CHECK THE DARKNESS, BRIGHTNESS, AND CONTRAST SETTINGS

The Toner Darkness setting is too light, the RGB Brightness setting is too light, or the RGB Contrast setting is too low.

1. From the printer control panel, press .
2. From the Admin menu, press the arrow buttons until Settings appears, and then press .
3. Press the arrow buttons until Print menu appears, and then press .
4. Press the arrow buttons until Quality menu appears, and then press .
5. Press the arrow buttons until Toner Darkness, RGB Brightness, or RGB Contrast appears, and then press .
6. Change the selected setting to a lower value, and then press .

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.
CHECK THE PAPER
Avoid textured paper with rough finishes.

CHECK THE PAPER TYPE SETTING
Make sure the Paper Type setting matches the paper loaded in the tray.

MAKE SURE COLOR SAVER IS SET TO OFF
Color Saver may be set to On.

A TONER CARTRIDGE MAY BE LOW
When 88 <color> Cartridge Low appears, order a new cartridge.

A TONER CARTRIDGE MAY BE DEFECTIVE
Replace the toner cartridge.

THE IMAGING KIT MAY BE WORN OR DEFECTIVE
Replace the imaging kit.

Note: The printer has two types of imaging kits: a black and color imaging kit, and a black imaging kit. The black and color imaging kit contains cyan, magenta, yellow, and black. The black imaging kit contains black only.

Print is too dark

These are possible solutions. Try one or more of the following:

CALIBRATE THE COLOR
The printer automatically calibrates the colors whenever a new imaging kit is detected. If a cartridge is replaced, then you can calibrate the colors manually:

1. From the printer control panel, press [ ].
2. From the Admin menu, press the arrow buttons until Settings appears, and then press [ ].
3. Press the arrow buttons until Print menu appears, and then press [ ].
4. Press the arrow buttons until **Quality menu** appears, and then press ✅.
5. Press the arrow buttons until **Color Adjust** appears, and then press ✅.
   **Calibrating** appears.

**CHECK THE DARKNESS, BRIGHTNESS, AND CONTRAST SETTINGS**

The Toner Darkness setting is too dark, the RGB Brightness setting is too dark, or the RGB Contrast setting is too high.

1. From the printer control panel, press 🔄.
2. From the **Admin menu**, press the arrow buttons until **Settings** appears, and then press ✅.
3. Press the arrow buttons until **Print menu** appears, and then press ✅.
4. Press the arrow buttons until **Quality menu** appears, and then press ✅.
5. Press the arrow buttons until **Toner Darkness, RGB Brightness**, or **RGB Contrast** appears, and then press ✅.
6. Change the selected setting to a lower value, and then press ✅.

**A TONER CARTRIDGE MAY BE DEFECTIVE**

Replace the toner cartridge.

**Solid color pages**

These are possible solutions. Try one or more of the following:

**MAKE SURE THE PRINT CARTRIDGE IS PROPERLY INSTALLED**

Remove the print cartridge and shake it from side to side to redistribute the toner, and then reinstall it.

**THE PRINT CARTRIDGE MAY BE DEFECTIVE OR LOW ON TONER**

Replace the used print cartridge with a new one. If the problem continues, the printer may need to be serviced. For more information, contact Customer Support.
Toner fog or background shading appears on the page

These are possible solutions. Try one or more of the following:

**THE IMAGING KIT MAY BE WORN OR DEFECTIVE**

Replace the imaging kit.

*Note:* The printer has two types of imaging kits: a black and color imaging kit, and a black imaging kit. The black and color imaging kit contains cyan, magenta, yellow, and black. The black imaging kit contains black only.

**IS THERE TONER IN THE PAPER PATH?**

Contact Customer Support.

Toner rubs off

![Toner rubbed off page](image)

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:

1. From the printer control panel, check the Paper Type setting from the Paper menu.

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.

**CHECK THE PAPER TEXTURE SETTING**

From the printer control panel Paper menu, make sure the Paper Texture setting matches the paper loaded in the tray.
Toner specks

These are possible solutions. Try one or more of the following:

THE PRINT CARTRIDGE MAY BE DEFECTIVE
Replace the print cartridge.

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 recommended by the printer manufacturer.

CHECK THE PAPER TYPE SETTING
Make sure the paper type setting matches the paper loaded in the tray:
1. From the printer control panel, check the Paper Type setting from the Paper menu.
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

Replace the black and color imaging kit.
Solving color quality problems

This section helps answer some basic color-related questions and describes how some of the features provided in the Quality menu can be used to solve typical color problems.

Color misregistration

Color has shifted outside of the appropriate area or has been superimposed over another color area. These are possible solutions. Try one or more of the following:

A TONER CARTRIDGE MAY BE DEFECTIVE

Remove and reinstall the toner cartridges.

CALIBRATE THE COLOR

The printer will automatically calibrate the colors whenever a new imaging kit is detected. If a toner cartridge is replaced, a manual alignment will need to be performed.

1 From the printer control panel, press 📀.
2 From the Admin menu, press the arrow buttons until Settings appears, and then press ✅.
3 Press the arrow buttons until Print menu appears, and then press ✅.
4 Press the arrow buttons until Quality menu appears, and then press ✅.
5 Press the arrow buttons until Color Adjust appears, and then press ✅.
Calibrating appears.

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.

Should I use PostScript or PCL emulation printer software? What settings should I use for the best color?
The PostScript driver is strongly recommended for best color quality. The default settings in the PostScript driver provide the preferred color quality for the majority of printouts.

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.

### Manual Color menu

<table>
<thead>
<tr>
<th>Object type</th>
<th>Color conversion tables</th>
</tr>
</thead>
</table>
| RGB Image           | • **Vivid**—Produces brighter, more saturated colors and may be applied to all incoming color formats.  
| RGB Text            | • **sRGB Display**—Produces an output that approximates the colors displayed on a computer monitor. Black toner usage is optimized for printing photographs.  
| RGB Graphics        | • **Display**—**True Black**—Produces an output that approximates the colors displayed on a computer monitor. Uses only black toner to create all levels of neutral gray.  
|                     | • **sRGB Vivid**—Provides an increased color saturation for the sRGB Display color correction. Black usage is optimized for printing business graphics.  
|                     | • **Off**—No color correction is implemented.                                               |
| CMYK Image          | • **US CMYK**—Applies color correction to approximate the SWOP (Specifications for Web Offset Publishing) color output.  
| CMYK Text           | • **Euro CMYK**—Applies color correction to approximated EuroScale color output.            
| CMYK Graphics       | • **Vivid CMYK**—Increases the color saturation of the US CMYK color correction setting.    
|                     | • **Off**—No color correction is implemented.                                               |

### 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 into 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 Configuration.

3. Click Color Samples.

4. Click Detailed Options to narrow the set to one color range.

5. When the Detailed Options page appears, select a color conversion table.

6. Enter the RGB or CMYK color number.

7. Enter an Increment value from 1–255.
   
   Note: The closer the value is to 1, the narrower the color sample range will appear.

8. Click Print to print the detailed Color Samples set.

Embedded Web Server does not open

These are possible solutions. Try one or more of the following:

CHECK THE NETWORK CONNECTIONS

Make sure the printer and computer are turned on and connected to the same network.

CHECK THE NETWORK SETTINGS

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, see your system administrator.

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/regions, visit the Lexmark Web site at www.lexmark.com.
Product information

Product name:
Lexmark X543, X544, X544n, X544dn, X544dw, X544dtn, X546dtn

Machine type:
7525, 4989

Model(s):

Edition notice

August 2011

The following paragraph does not apply to any country where such provisions are inconsistent with local law:
LEXMARK INTERNATIONAL, INC., PROVIDES THIS PUBLICATION “AS IS” WITHOUT WARRANTY OF ANY KIND, EITHER
EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS
FOR A PARTICULAR PURPOSE. Some states do not allow disclaimer of express or implied warranties in certain
transactions; therefore, this statement may not apply to you.

This publication could include technical inaccuracies or typographical errors. Changes are periodically made to the
information herein; these changes will be incorporated in later editions. Improvements or changes in the products or
the programs described may be made at any time.

References in this publication to products, programs, or services do not imply that the manufacturer intends to make
these available in all countries in which it operates. Any reference to a product, program, or service is not intended to
state or imply that only that product, program, or service may be used. Any functionally equivalent product, program,
or service that does not infringe any existing intellectual property right may be used instead. Evaluation and verification
of operation in conjunction with other products, programs, or services, except those expressly designated by the
manufacturer, are the user’s responsibility.

For Lexmark technical support, visit support.lexmark.com.

For information on supplies and downloads, visit www.lexmark.com.

If you don’t have access to the Internet, you can contact Lexmark by mail:

Lexmark International, Inc.
Bldg 004-2/CSC
740 New Circle Road NW
Lexington, KY 40550
USA

© 2009 Lexmark International, Inc.

All rights reserved.
UNITED STATES GOVERNMENT RIGHTS

This software and any accompanying documentation provided under this agreement are commercial computer software and documentation developed exclusively at private expense.

Trademarks

Lexmark, Lexmark with diamond design, and MarkVision are trademarks of Lexmark International, Inc., registered in the United States and/or other countries.

ScanBack is a trademark of Lexmark International, Inc.

PCL® is a registered trademark of the Hewlett-Packard Company. PCL is Hewlett-Packard Company's designation of a set of printer commands (language) and functions included in its printer products. This printer is intended to be compatible with the PCL language. This means the printer recognizes PCL commands used in various application programs, and that the printer emulates the functions corresponding to the commands.

All other trademarks are the property of their respective owners.

Federal Communications Commission (FCC) compliance information statement

This product has been tested and found to comply with the limits for a Class B 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 B limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult your point of purchase or service representative for additional suggestions.

The manufacturer is not responsible for 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 B 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.

Any questions regarding this compliance information statement should be directed to:

    Director of Lexmark Technology & Services
    Lexmark International, Inc.
    740 West New Circle Road
    Lexington, KY 40550
    (859) 232–3000
Modular component notice

Wireless-equipped models contain the following modular component(s):
Lexmark Regulatory Type/Model LEX-M04-001, FCC ID: IYLLEXM04001; IC:2376A-M04001

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.

<table>
<thead>
<tr>
<th>1-meter average sound pressure, dBA</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Printing</td>
<td>48 dBA</td>
</tr>
<tr>
<td>Ready</td>
<td>32 dBA</td>
</tr>
</tbody>
</table>

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.

Battery notice

This product contains Perchlorate material. Special handling may apply. For more information, go to [http://www.dtsc.ca.gov/hazardouswaste/perchlorate/](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.

Mercury statement

This product contains mercury in the lamp (<5mg Hg). Disposal of mercury may be regulated due to environmental considerations. For disposal or recycling information, contact your local authorities or the Electronic Industries Alliance: www.eiae.org.

Temperature information

<table>
<thead>
<tr>
<th>Temperature</th>
<th>15.6°C – 32.2°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ambient temperature</td>
<td></td>
</tr>
<tr>
<td>Shipping and storage temperature</td>
<td>-40.0°C – 60.0°C</td>
</tr>
</tbody>
</table>

Laser notice

The printer is certified in the U.S. to conform to the requirements of DHHS 21 CFR 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 7 milliwatt gallium arsenide laser operating in the wavelength of 655-675 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:

**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.

<table>
<thead>
<tr>
<th>Mode</th>
<th>Description</th>
<th>Power consumption (Watts)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Printing</td>
<td>The product is generating hard-copy output from electronic inputs.</td>
<td>540 W</td>
</tr>
<tr>
<td>Copying</td>
<td>The product is generating hard-copy output from hard-copy original documents.</td>
<td>510 W</td>
</tr>
<tr>
<td>Scanning</td>
<td>The product is scanning hard-copy documents.</td>
<td>60 W</td>
</tr>
<tr>
<td>Ready</td>
<td>The product is waiting for a print job.</td>
<td>50 W</td>
</tr>
<tr>
<td>Power Saver</td>
<td>The product is in energy-saving mode.</td>
<td>24 W</td>
</tr>
<tr>
<td>Off</td>
<td>The product is plugged into a wall outlet, but the power switch is turned off.</td>
<td>0 W</td>
</tr>
</tbody>
</table>

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.

**Power Saver**

This product is designed with an energy-saving mode called Power Saver. The Power Saver Mode is equivalent to the Sleep Mode. The Power Saver Mode saves energy by lowering power consumption during extended periods of inactivity.
The Power Saver Mode is automatically engaged after this product is not used for a specified period of time, called the
Power Saver Timeout.

| Factory default Power Saver Timeout for this product (in minutes): | 110V = 45 minutes, 220V = 60 minutes |

By using the configuration menus, the Power Saver Timeout can be modified between 1 minute and 240 minutes.
Setting the Power Saver Timeout to a low value reduces energy consumption, but may increase the response time of
the product. Setting the Power Saver Timeout to a high value maintains a fast response, but uses more energy.

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 wall 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 B 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 B est conforme aux exigences de la norme canadienne relative aux équipements
pouvant causer des interférences NMB-003.

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:AAAEOEQ##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:AAAEOEQ##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 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 arrester in the AC outlet to which this device is connected. An appropriate AC surge arrester 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 arrester in the AC outlet to which this device is connected. An appropriate AC surge arrester 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 be 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, 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.

A declaration of conformity with the requirements of the directives is available from the Director of Manufacturing and Technical Support, Lexmark International, S. A., Boigny, France.

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.

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.

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, 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.

A declaration of conformity with the requirements of the directives is available from the Director of Manufacturing and Technical Support, Lexmark International, S. A., Boigny, France. Refer to the table at the end of the Notices section for further compliance information.

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.

A declaration of conformity with the requirements of the directives is available from the Director of Manufacturing and Technical Support, Lexmark International, S. A., Boigny, France. Refer to the table at the end of the Notices section for further compliance information.

<table>
<thead>
<tr>
<th>Language</th>
<th>Declaration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Česky</td>
<td>Společnost Lexmark International, Inc. tímto prohlašuje, že výrobek tento výrobek je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES.</td>
</tr>
<tr>
<td>Dansk</td>
<td>Lexmark International, Inc. erklærer herved, at dette produkt overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.</td>
</tr>
<tr>
<td>Ελληνική</td>
<td>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.</td>
</tr>
<tr>
<td>English</td>
<td>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.</td>
</tr>
<tr>
<td>Español</td>
<td>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.</td>
</tr>
<tr>
<td>Eesti</td>
<td>Käesolevaga kinnitab Lexmark International, Inc., et seade see toode vastab direktiivi 1999/5/EÜ põhinõutetele ja nimetatud direktiivist tulenevatele muudele asjakohastele sätetele.</td>
</tr>
</tbody>
</table>
Statement of Limited Warranty

Lexmark X543, X544, X544n, X544dn, X544dw, X544dtn, X546dtn

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.

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.

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 at www.lexmark.com/support.

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
—Refurbishment, repair, refilling or remanufacture by a third party of products, supplies or parts
—Products, supplies, parts, materials (such as toners and inks), software, or interfaces not furnished by Lexmark

TO THE EXTENT PERMITTED BY APPLICABLE LAW, NEITHER LEXMARK NOR ITS THIRD PARTY SUPPLIERS OR REMARKETERS MAKE ANY OTHER WARRANTY OR CONDITION OF ANY KIND, WHETHER EXPRESS OR IMPLIED, WITH RESPECT TO THIS PRODUCT, AND SPECIFICALLY DISCLAIM THE IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND SATISFACTORY QUALITY. ANY WARRANTIES THAT MAY NOT BE DISCLAIMED UNDER APPLICABLE LAW ARE LIMITED IN DURATION TO THE WARRANTY PERIOD. NO WARRANTIES, EXPRESS OR IMPLIED, WILL APPLY AFTER THIS PERIOD. ALL INFORMATION, SPECIFICATIONS, PRICES, AND SERVICES ARE SUBJECT TO CHANGE AT ANY TIME WITHOUT NOTICE.

Limitation of liability

Your sole remedy under this limited warranty is set forth in this document. For any claim concerning performance or nonperformance of Lexmark or a Remarketer for this product under this limited warranty, you may recover actual damages up to the limit set forth in the following paragraph.

Lexmark's liability for actual damages from any cause whatsoever will be limited to the amount you paid for the product that caused the damages. This limitation of liability will not apply to claims by you for bodily injury or damage to real property or tangible personal property for which Lexmark is legally liable. IN NO EVENT WILL LEXMARK BE LIABLE FOR ANY LOST PROFITS, LOST SAVINGS, INCIDENTAL DAMAGE, OR OTHER ECONOMIC OR CONSEQUENTIAL DAMAGES. This is true even if you advise Lexmark or a Remarketer of the possibility of such damages. Lexmark is not liable for any claim by you based on a third party claim.

This limitation of remedies also applies to claims against any Suppliers and Remarketers of Lexmark. Lexmark's and its Suppliers' and Remarketers' limitations of remedies are not cumulative. Such Suppliers and Remarketers are intended beneficiaries of this limitation.

Additional rights

Some states do not allow limitations on how long an implied warranty lasts, or do not allow the exclusion or limitation of incidental or consequential damages, so the limitations or exclusions contained above may not apply to you.

This limited warranty gives you specific legal rights. You may also have other rights that vary from state to state.

DEVICE PATENT LICENSE

Lexmark reserves the right to discontinue selling these toner cartridges any time after it discontinues service support for this printer.

IMPORTANT: PLEASE READ BEFORE OPENING: Opening this package, installing the printing device software, or using the products inside confirms your acceptance of the following licenses/agreements:

License: The patented printer inside is licensed for, and designed to work with only genuine Lexmark toner cartridges and developer components for the life of the patented printer. You agree to: (1) use only genuine Lexmark toner cartridges and developer components with this printer except as otherwise provided below, and (2) pass this license/agreement to any subsequent user of this printer. The patented Lexmark toner cartridges and developer components inside are licensed subject to a restriction that they may be used only once. Following their initial use, you agree to return them only to Lexmark for recycling. Lexmark toner cartridges are designed to stop working after
delivering a fixed amount of toner. A variable amount of toner may remain in them when replacement is required. If you do not accept these terms, return the unopened package to your point of purchase. Replacement toner cartridge(s) sold without these terms are available through www.lexmark.com, may be refilled by you, or a third party, as the only cartridge alternative to be used with the licensed printer.

LEXMARK SOFTWARE LIMITED WARRANTY AND LICENSE AGREEMENT

PLEASE READ CAREFULLY BEFORE USING THIS PRODUCT: BY USING THIS PRODUCT, YOU AGREE TO BE BOUND BY ALL THE TERMS AND CONDITIONS OF THIS SOFTWARE LIMITED WARRANTY AND LICENSE AGREEMENT. IF YOU DO NOT AGREE WITH THE TERMS OF THIS SOFTWARE LIMITED WARRANTY AND LICENSE AGREEMENT, PROMPTLY RETURN THE PRODUCT UNUSED AND REQUEST A REFUND OF THE AMOUNT YOU PAID. IF YOU ARE INSTALLING THIS PRODUCT FOR USE BY OTHER PARTIES, YOU AGREE TO INFORM THE USERS THAT USE OF THE PRODUCT INDICATES ACCEPTANCE OF THESE TERMS.

LEXMARK SOFTWARE LICENSE AGREEMENT

This License Agreement (“Software License Agreement”) is a legal agreement between you (either an individual or a single entity) and Lexmark International, Inc. (“Lexmark”) that, to the extent your Lexmark product or Software Program is not otherwise subject to a written software license agreement between you and Lexmark or its suppliers, governs your use of any Software Program installed on or provided by Lexmark for use in connection with your Lexmark product. The term “Software Program” includes machine-readable instructions, audio/visual content (such as images and recordings), and associated media, printed materials and electronic documentation, whether incorporated into, distributed with or for use with your Lexmark product.

1 STATEMENT OF SOFTWARE LIMITED WARRANTY. Lexmark warrants that the media (e.g., diskette or compact disk) on which the Software Program (if any) is furnished is free from defects in materials and workmanship under normal use during the warranty period. The warranty period is ninety (90) days and commences on the date the Software Program is delivered to the original end-user. This limited warranty applies only to Software Program media purchased new from Lexmark or an Authorized Lexmark Reseller or Distributor. Lexmark will replace the Software Program should it be determined that the media does not conform to this limited warranty.

2 DISCLAIMER AND LIMITATION OF WARRANTIES. EXCEPT AS PROVIDED IN THIS SOFTWARE LICENSE AGREEMENT AND TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, LEXMARK AND ITS SUPPLIERS PROVIDE THE SOFTWARE PROGRAM "AS IS" AND HEREBY DISCLAIM ALL OTHER WARRANTIES AND CONDITIONS, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, TITLE, NON-INFRINGEMENT, MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, AND ABSENCE OF VIRUSES, ALL WITH REGARD TO THE SOFTWARE PROGRAM. TO THE EXTENT LEXMARK CANNOT BY LAW DISCLAIM ANY COMPONENT OF THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, LEXMARK LIMITS THE DURATION OF SUCH WARRANTIES TO THE 90-DAY TERM OF THE EXPRESS SOFTWARE LIMITED WARRANTY.

This Agreement is to be read in conjunction with certain statutory provisions, as that may be in force from time to time, that imply warranties or conditions or impose obligations on Lexmark that cannot be excluded or modified. If any such provisions apply, then to the extent Lexmark is able, Lexmark hereby limits its liability for breach of those provisions to one of the following: providing you a replacement copy of the Software Program or reimbursement of the price paid for the Software Program.

The Software Program may include internet links to other software applications and/or internet web pages hosted and operated by third parties unaffiliated with Lexmark. You acknowledge and agree that Lexmark is not responsible in any way for the hosting, performance, operation, maintenance, or content of, such software applications and/or internet web pages.

3 LIMITATION OF REMEDY. TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, ANY AND ALL LIABILITY OF LEXMARK UNDER THIS SOFTWARE LICENSE AGREEMENT IS EXPRESSLY LIMITED TO THE GREATER OF THE PRICE PAID FOR THE SOFTWARE PROGRAM AND FIVE U.S. DOLLARS (OR THE EQUIVALENT IN LOCAL CURRENCY). YOUR SOLE REMEDY AGAINST LEXMARK IN ANY DISPUTE UNDER THIS SOFTWARE LICENSE AGREEMENT SHALL BE TO SEEK TO
RECOVER ONE OF THESE AMOUNTS, UPON PAYMENT OF WHICH LEXMARK SHALL BE RELEASED AND DISCHARGED OF ALL FURTHER OBLIGATIONS AND LIABILITY TO YOU.

IN NO EVENT WILL LEXMARK, ITS SUPPLIERS, SUBSIDIARIES, OR RESELLERS BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT, EXEMPLARY, PUNITIVE, OR CONSEQUENTIAL DAMAGES (INCLUDING BUT NOT LIMITED TO LOST PROFITS OR REVENUES, LOST SAVINGS, INTERRUPTION OF USE OR ANY LOSS OF, INACCURACY IN, OR DAMAGE TO, DATA OR RECORDS, FOR CLAIMS OF THIRD PARTIES, OR DAMAGE TO REAL OR TANGIBLE PROPERTY, FOR LOSS OF PRIVACY ARISING OUT OR IN ANY WAY RELATED TO THE USE OF OR INABILITY TO USE THE SOFTWARE PROGRAM, OR OTHERWISE IN CONNECTION WITH ANY PROVISION OF THIS SOFTWARE LICENSE AGREEMENT), REGARDLESS OF THE NATURE OF THE CLAIM, INCLUDING BUT NOT LIMITED TO BREACH OF WARRANTY OR CONTRACT, TORT (INCLUDING NEGLIGENCE OR STRICT LIABILITY), AND EVEN IF LEXMARK, OR ITS SUPPLIERS, AFFILIATES, OR REMARKETERS HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, OR FOR ANY CLAIM BY YOU BASED ON A THIRD-PARTY CLAIM, EXCEPT TO THE EXTENT THIS EXCLUSION OF DAMAGES IS DETERMINED LEGALLY INVALID. THE FOREGOING LIMITATIONS APPLY EVEN IF THE ABOVE-STATED REMEDIES FAIL OF THEIR ESSENTIAL PURPOSE.

4 U.S.A. STATE LAWS. This Software Limited Warranty gives you specific legal rights. You may also have other rights that vary from state to state. Some states do not allow limitations on how long an implied warranty lasts or the exclusion of limitation of incidental or consequential damages, so the above limitations may not apply to you.

5 LICENSE GRANT. Lexmark grants you the following rights provided you comply with all terms and conditions of this License Agreement:

a Use. You may Use one (1) copy of the Software Program. The term “Use” means storing, loading, installing, executing, or displaying the Software Program. If Lexmark has licensed the Software Program to you for concurrent use, you must limit the number of authorized users to the number specified in your agreement with Lexmark. You may not separate the components of the Software Program for use on more than one computer. You agree that you will not Use the Software Program, in whole or in part, in any manner that has the effect of overriding, modifying, eliminating, obscuring, altering or de-emphasizing the visual appearance of any trademark, trade name, trade dress or intellectual property notice that appears on any computer display screens normally generated by, or as a result of, the Software Program.

b Copying. You may make one (1) copy of the Software Program solely for purposes of backup, archiving, or installation, provided the copy contains all of the original Software Program’s proprietary notices. You may not copy the Software Program to any public or distributed network.

c Reservation of Rights. The Software Program, including all fonts, is copyrighted and owned by Lexmark International, Inc. and/or its suppliers. Lexmark reserves all rights not expressly granted to you in this License Agreement.

d Freeware. Notwithstanding the terms and conditions of this License Agreement, all or any portion of the Software Program that constitutes software provided under public license by third parties (“Freeware”) is licensed to you subject to the terms and conditions of the software license agreement accompanying such Freeware, whether in the form of a discrete agreement, shrink-wrap license, or electronic license terms at the time of download. Use of the Freeware by you shall be governed entirely by the terms and conditions of such license.

6 TRANSFER. You may transfer the Software Program to another end-user. Any transfer must include all software components, media, printed materials, and this License Agreement and you may not retain copies of the Software Program or components thereof. The transfer may not be an indirect transfer, such as a consignment. Prior to the transfer, the end-user receiving the transferred Software Program must agree to all these License Agreement terms. Upon transfer of the Software Program, your license is automatically terminated. You may not rent, sublicense, or assign the Software Program except to the extent provided in this License Agreement, and any attempt to do so shall be void.

7 UPGRADES. To Use a Software Program identified as an upgrade, you must first be licensed to the original Software Program identified by Lexmark as eligible for the upgrade. After upgrading, you may no longer use the original Software Program that formed the basis for your upgrade eligibility.
8 LIMITATION ON REVERSE ENGINEERING. You may not alter, decrypt, reverse engineer, reverse assemble, reverse compile or otherwise translate the Software Program, except as and to the extent expressly permitted to do so by applicable law for the purposes of inter-operability, error correction, and security testing. If you have such statutory rights, you will notify Lexmark in writing of any intended reverse engineering, reverse assembly, or reverse compilation. You may not decrypt the Software Program unless necessary for the legitimate Use of the Software Program.

9 ADDITIONAL SOFTWARE. This License Agreement applies to updates or supplements to the original Software Program provided by Lexmark unless Lexmark provides other terms along with the update or supplement.

10 TERM. This License Agreement is effective unless terminated or rejected. You may reject or terminate this license at any time by destroying all copies of the Software Program, together with all modifications, documentation, and merged portions in any form, or as otherwise described herein. Lexmark may terminate your license upon notice if you fail to comply with any of the terms of this License Agreement. Upon such termination, you agree to destroy all copies of the Software Program together with all modifications, documentation, and merged portions in any form.

11 TAXES. You agree that you are responsible for payment of any taxes including, without limitation, any goods and services and personal property taxes, resulting from this Agreement or your Use of the Software Program.

12 LIMITATION ON ACTIONS. No action, regardless of form, arising out of this Agreement may be brought by either party more than two years after the cause of action has arisen, except as provided under applicable law.

13 APPLICABLE LAW. This Agreement is governed by the laws of the Commonwealth of Kentucky, United States of America. No choice of law rules in any jurisdiction shall apply. The UN Convention on Contracts for the International Sale of Goods shall not apply.

14 UNITED STATES GOVERNMENT RESTRICTED RIGHTS. The Software Program has been developed entirely at private expense. Rights of the United States Government to use the Software Program is as set forth in this Agreement and as restricted in DFARS 252.227-7014 and in similar FAR provisions (or any equivalent agency regulation or contract clause).

15 CONSENT TO USE OF DATA. You agree that Lexmark, its affiliates, and agents may collect and use information you provide in relation to support services performed with respect to the Software Program and requested by you. Lexmark agrees not to use this information in a form that personally identifies you except to the extent necessary to provide such services.

16 EXPORT RESTRICTIONS. You may not (a) acquire, ship, transfer, or reexport, directly or indirectly, the Software Program or any direct product therefrom, in violation of any applicable export laws or (b) permit the Software Program to be used for any purpose prohibited by such export laws, including, without limitation, nuclear, chemical, or biological weapons proliferation.

17 AGREEMENT TO CONTRACT ELECTRONICALLY. You and Lexmark agree to form this License Agreement electronically. This means that when you click the “Agree” or “Yes” button on this page or use this product, you acknowledge your agreement to these License Agreement terms and conditions and that you are doing so with the intent to “sign” a contract with Lexmark.

18 CAPACITY AND AUTHORITY TO CONTRACT. You represent that you are of the legal age of majority in the place you sign this License Agreement and, if applicable, you are duly authorized by your employer or principal to enter into this contract.

19 ENTIRE AGREEMENT. This License Agreement (including any addendum or amendment to this License Agreement that is included with the Software Program) is the entire agreement between you and Lexmark relating to the Software Program. Except as otherwise provided for herein, these terms and conditions supersede all prior or contemporaneous oral or written communications, proposals, and representations with respect to the Software Program or any other subject matter covered by this License Agreement (except to the extent such extraneous terms do not conflict with the terms of this License Agreement, any other written agreement signed by you and Lexmark relating to your Use of the Software Program). To the extent any Lexmark policies or programs for support services conflict with the terms of this License Agreement, the terms of this License Agreement shall control.
ADOBE SYSTEMS INCORPORATED NOTICE

Contains Flash®, Flash® Lite™ and/or Reader® technology by Adobe Systems Incorporated

This Product contains Adobe® Flash® player software under license from Adobe Systems Incorporated, Copyright © 1995-2007 Adobe Macromedia Software LLC. All rights reserved. Adobe, Reader and Flash are trademarks of Adobe Systems Incorporated.
Index

Numerics
150 displayed 174
200 Paper jam <area name> 174
201.yy Paper jam <area name> 174
202.yy Paper jam <area name> 174
230.yy Paper jam <area name> 174
235 Paper Jam Check Duplex 174
24x Paper Jam Check Tray <x> 175
250.yy Paper jam <area name> 175
250 sheet tray (standard) loading 49
290–292 ADF Scanning Jams 175
293 Paper Missing 175
293.02 Flatbed Cover Open 175
294 ADF Jam 176
30.yy <color> cartridge missing 170
31 Defective Imaging Kit 170
34 Short paper 170
35 Insufficient memory to support Resource Save feature 171
37 Insufficient memory to collate job 171
38 Memory Full 171
39 Complex page, some data may not have printed 171
40 <color> Invalid refill, change cartridge 171
50 PPDS Font Error 171
51 Defective flash detected 171
52 Not enough free space in flash memory for resources 172
53 Unformatted flash detected 172
54 Network <x> Software Error 172
550-sheet tray installing 29
550-sheet tray (optional) loading 49
56 Standard USB Port Disabled 172
58 Input config error 173
59 Too many flash options installed 172
59 Too many trays attached 173
650-sheet duo drawer installing 29
650-sheet duo drawer loading 52
82 Replace waste toner box 173
82.yy Waste toner box missing 173
840.01 Scanner Disabled 176
840.02 Scanner Auto Disabled 176
88.yy <color> Cartridge is low 173
88.yy Replace <color> Cartridge 173
900–999 Service <message> 177
940.01 176
940.02 177
941.01 176
941.02 177
942.01 176
942.02 177
943.01 177
943.02 177

A
Access USB after scan 163
Access USB now 163
Active NIC menu 133
address book, e-mail setting up 83
address book, fax using 103
ADF copying using 74
attaching cables 31

B
battery, clock 163
Black Low 164
Busy 163
buttons, printer control panel 16

C
cables
Ethernet 31
USB 31
Calibrating 163
Call complete 163
calling Customer Support 236
Cancel not available 163
Canceling 163
canceling a job from Macintosh 72
from the printer control panel 72
from Windows 72
card stock
loading 53
tips on using 68
Check Config ID 163
checking an unresponsive printer 209
checking an unresponsive scanner 214
cleaning
exterior of the printer 204
scanner glass 205
clock battery 163
Close door 164
collating copies 79
configuration information
wireless network 34
configurations
printer 15
connecting the printer to computer modem 97
conservation settings
Eco-Mode 44
Quiet Mode 44
conserving supplies 43
contacting Customer Support 236
control panel, printer 16
copy quality
adjusting 79
improving 81
Copy Settings menu 140
copy troubleshooting
copier does not respond 212
partial document or photo copies 214
poor copy quality 213
poor scanned image quality 215
scanner unit does not close 212
copying
adjusting quality 79
canceling a copy job 81
collating copies 79
enlarging 78
from one size to another 76
improving copy quality 81
making a copy lighter or darker 78
multiple pages on one sheet 80
on both sides of the paper (duplexing) 77

photos 75
placing separator sheets between copies 80
quick copy 74
reducing 78
selecting a tray 77
to letterhead 76
to transparencies 75
using the ADF 74
using the scanner glass 75
Custom Scan Sizes menu 131
Custom Types menu 130
Cyan Low 164

D
date and time
setting 99
Default Source menu 123
Defective <color> Cartridge 170
Dialing 164
directory list, printing 71
display troubleshooting
display is blank 209
display shows only diamonds 209
display, printer control panel 16
distinctive ring service
connecting to 90
DO NOT TOUCH 164
documents, printing
from Macintosh computer 64
from Windows 64
duplexing 77

E
Eco-Mode setting 44
Embedded Web Server 207
administrator settings 207
does not open 236
networking settings 207
setting up e-mail alerts 208
Embedded Web Server
Administrator's Guide 207
emission
notices 238, 239, 242, 246, 247
enlarging a copy 78
envelopes
loading 53, 55
tips 67
environmental settings 43
Eco-Mode 44
Quiet Mode 44
Ethernet networking
Macintosh 39
Windows 39
Ethernet port 31
exterior of the printer
cleaning 204
e-mail
canceling 85
notice of low supply level 208
notice of paper jam 208
notice of paper needed 208
notice that different paper is needed 208
e-mail function
setting up 82
e-mailing
creating shortcuts using the Embedded Web Server 83
setting up address book 83
setting up e-mail function 82
using shortcut numbers 84
using the address book 85
using the keypad 83
FAQ about color printing 233
fax
canceling 105
options 105, 106
Fax complete 164
fax connection
connecting the printer to the wall jack 89
connecting to a distinctive ring service 90
connecting to a DSL line 89
connecting to a PBX or ISDN 90
Fax failed 164
fax quality, improving 106
Fax Settings menu 142
fax troubleshooting
blocking junk faxes 220
caller ID is not shown 216
can receive but not send
faxes 219
can send but not receive
faxes 218
cannot send or receive a fax 217
received fax has poor print quality 219
faxing
changing resolution 103
choosing a fax connection 88
connecting to a telephone 91
connecting to an answering machine 91
connecting to regional adapters 92
creating shortcuts using the Embedded Web Server 101
creating shortcuts using the printer control panel 102
fax setup 87
forwarding faxes 106
improving fax quality 106
making a fax lighter or darker 104
sending a fax at a scheduled time 104
sending using the computer 100
sending using the printer control panel 100
setting the date and time 99
setting the outgoing fax name and number 99
turning daylight saving time on or off 99
using shortcuts 103
using the address book 103
viewing a fax log 105
FCC notices 238, 242, 246
features
Scan Center 112
fiber optic
network setup 39
File corrupt 164
finding information
customer support 12
publications 12
Finishing menu 151
flash drive 69
Flash Drive menu 148
flash drives
file types 70
flash memory card
installing 26
Flushing buffer 164
forwarding faxes 106
font sample list
printing 71
G
green settings
Quiet Mode 44
guidelines
  card stock  68
  envelopes  67
  labels, paper  67
  letterhead  65
  transparencies  66

H
  Hex Trace  164

I
  Image menu  159
  Imaging Kit  164
  imaging kits
    ordering  180
    replacing  184, 190
  Incoming call  165
  Insert Tray <x>  165

installation
  wireless network  35, 37
  fax options in driver  34
  options in driver  34
  printer software  33
  installing printer software
    adding options  34
  Invalid Engine Code  165
  Invalid Network Code  165

J
  jams
    avoiding  114
    locating doors and trays  115
    locations  115
    numbers  115
  jams, clearing
    200  116
    201  116
    202  117
    230  119
    235  119
    242  119
    243  119
    250  120
    290  120

L
  labels, paper
    tips on using  67
  LADP connection error  165
  letterhead
    copying to  76
    loading, manual feeder  65
    loading, trays  65
    tips on using  65
  light, indicator  16
  Line busy  165
  linking trays  47
  Load <src> with <x>  165
  Load single sheet feeder with
    <x>  165
  loading
    250-sheet tray (standard)  49
    650-sheet duo drawer  52
    card stock  53
    envelopes  53, 55
    letterhead in manual feeder  65
    letterhead in trays  65
    manual feeder  55
    multipurpose feeder  53
    transparencies  53

M
  Macintosh
    wireless network installation  37
  Magenta Low  164
  Maintenance  166
  manual feeder
    loading  55
  memory card
    installing  22
    troubleshooting  222
  Memory full, cannot send faxes  166
  menu settings pages, printing  33
  menus
    Active NIC  133
    Copy Settings  140
    Custom Scan Sizes  131
    Custom Types  130
    Default Source  123
    diagram of  122
    Fax Settings  142
    Finishing  151
    Flash Drive  148
    Image  159
    Network  133
    Paper Loading  129
    Paper Size/Type  124
    Paper Texture  126
    PCL Emul  156
    PDF  156

PictBridge  159
  PostScript  156
  Quality  153
  Reports  132
  Set Date and Time  160
  Settings  137
  Setup  151
  Supplies  123
  USB  135
  Utilities  155
  Wireless  135
  Menus disabled  166
  moving the printer  205, 206
  multiple pages on one sheet  80
  multipurpose feeder
    loading  53

N
  Network menu  133
  network setup page  33
  Networking Guide  207
  No analog phone line  166
  No answer  166
  No dial tone  166
  No recognized file types  166
  noise emission levels  239
  notices  238, 239, 240, 241, 242, 243, 244, 245, 246, 247

O
  options
    550-sheet tray  29
    650-sheet duo drawer  29
    fax  105, 106
    flash memory card  26
    internal  22
    memory card  22
    memory cards  22
    scan to computer  112
  ordering
    imaging kits  180
    toner cartridges  179
    waste toner bottle  180

paper
  capacities  63
  characteristics  57
  letterhead  58
  preprinted forms  58
  recycled  42
selecting  58
selecting weight  128
setting size  48
setting type  48
storing  59
unacceptable  42, 58
Universal Paper Size  131
Universal size setting  48
paper feed troubleshooting message remains after jam is cleared  223
paper jams avoiding  114
Paper Loading menu  129
Paper Size/Type menu  124
paper sizes supported by the printer  59
Paper Texture menu  126
paper types supported by printer  61
where to load  61
paper types and weights supported by the printer  61
PC Kit Life Warning  166
PCL Emul menu  156
PDF menu  156
Phone in Use  167
photos copying  75
PictBridge menu  159
PictBridge-enabled printing photos  70
Picture too large  167
PostScript menu  156
Power Saver  167
adjusting  45
print job canceling from Macintosh  72
canceling from the printer control panel  72
canceling from Windows  72
print quality cleaning the scanner glass  205
replacing developer unit  198
replacing imaging kits  184, 190
replacing the waste toner bottle  181
print quality test pages, printing  71
print quality troubleshooting blank pages  223
characters have jagged edges  224
colored images  224
color misregistration  233
dark lines  224
gray background  225
light colored line, white line, or incorrectly colored line  226
poor transparency quality  232
print irregularities  226
print is too dark  229
print is too light  228
repeating defects  227
skewed print  227
solid color pages  230
toner fog or background shading  231
toner rubs off  231
toner specks  231
uneven print density  232
print troubleshooting error reading USB drive  209
incorrect margins  225
incorrect or strange characters print  211
jammed page does not reprint  223
job prints from wrong tray  211
job prints on wrong paper  211
job takes longer than expected  210
jobs do not print  210
Large jobs do not collate  211
multiple-language PDFs do not print  209
paper curl  226
paper frequently jams  222
tray linking does not work  211
unexpected page breaks occur  212
printer configurations  15
minimum clearances  13
models  15
moving  205, 206
selecting a location  13
shipping  206
printer messages  150 displayed  174
200 Paper jam <area name>  174
201.yy Paper jam <area name>  174
202.yy Paper jam <area name>  174
230.yy Paper jam <area name>  174
235 Paper Jam Check Duplex  174
24x Paper Jam Check Tray <x>  175
250.yy Paper jam <area name>  175
290–292 ADF Scanning Jams  175
293 Paper Missing  175
293.02 Flatbed Cover Open  175
294 ADF Jam  176
30.yy <color> cartridge missing  170
31 Defective Imaging Kit  170
34 Short paper  170
35 Insufficient memory to support Resource Save feature  171
37 Insufficient memory to collate job  171
38 Memory Full  171
39 Complex page, some data may not have printed  171
40 <color> Invalid refill, change cartridge  171
50 PDDS Font Error  171
51 Defective flash detected  171
52 Not enough free space in flash memory for resources  172
53 Unformatted flash detected  172
54 Network <> Software Error  172
56 Standard USB Port Disabled  172
58 Incorrect config error  173
58 Too many flash options installed  172
58 Too many trays attached  173
59 Incompatible tray <>  173
82 Replace waste toner bottle  181
82 Replace waste toner box  173
82.yy Waste toner box missing  173
840.01 Scanner Disabled  176
840.02 Scanner Auto Disabled  176
88 Replace <color> Cartridge  196
88.yy <color> Cartridge is low  173
88.yy Replace <color> Cartridge  173
900–999 Service <message>  177
940.01 176
scan troubleshooting cannot scan from a computer 216 partial document or photo scans 216 scan was not successful 215 scanner unit does not close 212 scanning takes too long or freezes the computer 215 ScanBack Utility using the ScanBack Utility 113 scanner Automatic Document Feeder (ADF) 16 functions 15 scanner glass 16 Scanner ADF Cover Open 169 scanner glass cleaning 205 copying using 75 scanning to a computer 110 improving scan quality 112 scanning to a USB flash memory device 111 scanning to an FTP address creating shortcuts using the computer 109 using shortcut numbers 109 using the keypad 108 Sending pXX 169 Set Date and Time menu 160 setting Active NIC 133 paper size 48 paper type 48 Universal Paper Size 48 setting up the printer on a wired network (Macintosh) 39 on a wired network (Windows) 39 Settings menu 137 Setup menu 151 shipping the printer 206 shortcuts, creating e-mail 83 fax destination 101, 102 FTP destination 109 Standard Exit Bin Full 169 standard tray loading 49 status of supplies, checking 178 storing paper 59 supplies 178 supplies conserving 43 storing of 178 status of 178 Supplies menu 123 supplies, ordering imaging kits 180 toner cartridges 179 waste toner bottle 180 T telecommunication notices 242, 243, 244, 245 toner cartridges ordering 179 recycling 46 replacing 196 transparencies copying to 75 tips on using 66 loading 53 transparents tray linking 47 tray unlinking 47 trays linking 47 unlinking 47 troubleshooting checking an unresponsive printer 209 checking an unresponsive scanner 214 contacting Customer Support 236 FAQ about color printing 233 solving basic printer problems 209 troubleshooting, copy copier does not respond 212 partial document or photo copies 214 poor copy quality 213 poor scanned image quality 215 scanner unit does not close 212 troubleshooting, display display is blank 209 display shows only diamonds 209 troubleshooting, fax blocking junk faxes 220 caller ID is not shown 216 can receive but not send faxes 219 can send but not receive faxes 218 cannot send or receive a fax 217 received fax has poor print quality 219 troubleshooting, paper feed message remains after jam is cleared 223 troubleshooting, print error reading USB drive 209 incorrect margins 225 incorrect or strange characters print 211 jammed page does not reprint 223 job prints from wrong tray 211 job prints on wrong paper 211 job takes longer than expected 210 jobs do not print 210 Large jobs do not collate 211 multiple-language PDFs do not print 209 paper curl 226 paper frequently jams 222 tray linking does not work 211 unexpected page breaks occur 212 troubleshooting, print quality blank pages 223 characters have jagged edges 224 clipped images 224 color misregistration 233 dark lines 224 gray background 225 light colored line, white line, or incorrectly colored line 226 poor transparency quality 232 print irregularities 226 print is too dark 229 print is too light 228 repeating defects 227 skewed print 227 solid color pages 230 toner fog or background shading 231 toner rubs off 231 toner specks 232 uneven print density 232
troubleshooting, printer options
  drawers 221
  memory card 222
  multipurpose feeder 221
  option not working 220
troubleshooting, scan
  cannot scan from a computer 216
  partial document or photo scans 216
  scan was not successful 215
  scanner unit does not close 212
  scanning takes too long or freezes the computer 215

U
Universal Paper Size 131
  setting 48
Universal Setup menu 131
unlinking trays 47
Unsupported Mode 169
Unsupported USB device, please remove 169
Unsupported USB hub, please remove 169
USB drive disabled 170
USB menu 135
USB port 31
Use camera controls to print 170
Utilities menu 155

V
viewing
  reports 208

W
Waiting 170
Waiting, too many events 170
waste toner bottle
  ordering 180
  replacing 181
Windows
  wireless network installation 35
wired network setup
  using Windows 39
wired networking
  using Macintosh 39
Wireless menu 135
wireless network
  configuration information 34
  installation, using Macintosh 37
  installation, using Windows 35

Y
Yellow Low 164