



Menus and Messages

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Contents

Chapter 1: Using printer menus	4
Understanding the printer operator panel	5
Menu Groups	7
Supplies Menu	7
Paper Menu	9
Default Source	9
Paper Size/Type	9
Configure MP	11
Substitute Size	11
Paper Texture	12
Paper Weight	13
Paper Loading	13
Custom Types	14
Universal Setup	14
Bin Setup	15
Reports	16
Menu Settings Page	16
Device Statistics	16
Network Setup Page	16
Wireless Setup Page	16
Profiles List	17
NetWare Setup Page	17
Print Fonts	17
Print Directory	17
Print Demo	18
Settings	19
Setup Menu	19
Finishing Menu	24
Quality Menu	26
Utilities Menu	30
PDF Menu	31
PostScript Menu	31
PCL Emul Menu	32
PPDS Menu	34
HTML Menu	35
Image Menu	36
Security	37
Network/Ports	38
TCP/IP	38
IPv6	38
Wireless	39
Standard Network and Network <x>	39
Standard USB and USB <x>	40
Parallel <x>	42
Serial <x>	44
NetWare	46
AppleTalk	47
LexLink	47
USB Direct	48
Help	48
Chapter 2: Understanding printer messages	49

1

Using printer menus

A number of menus are available to make it easy for you to change printer settings. The diagram shows the menu index on the operator panel, the menus, and items available under each menu. The items in each menu and the values you can select are described in more detail later in this chapter.

Some menu items or values are displayed only if a specific option is installed on the printer. Other menu items may only be effective for a particular printer language. You can select these values at any time, but they only affect printer function when you have the optional equipment or the specified printer language.



- Supplies Menu**
- Cyan Cartridge
 - Magenta Cartridge
 - Yellow Cartridge
 - Black Cartridge
 - Waste Toner Box
 - Fuser
 - ITU

- Paper Menu**
- Default Source
 - Paper Size/Type
 - Configure MP
 - Substitute Size
 - Paper Texture
 - Paper Weight
 - Paper Loading
 - Custom Types
 - Universal Setup
 - Bin Setup

- Reports**
- Menu Settings Page
 - Device Statistics
 - Network Setup Page
 - Wireless Setup Page
 - Profiles List
 - NetWare Setup Page
 - Print Fonts
 - Print Directory
 - Print Demo

- Settings**
- Setup Menu
 - Finishing Menu
 - Quality Menu
 - Utilities Menu
 - PDF Menu
 - PostScript Menu
 - PCL Emul Menu
 - PPDS Menu
 - HTML Menu
 - Image Menu

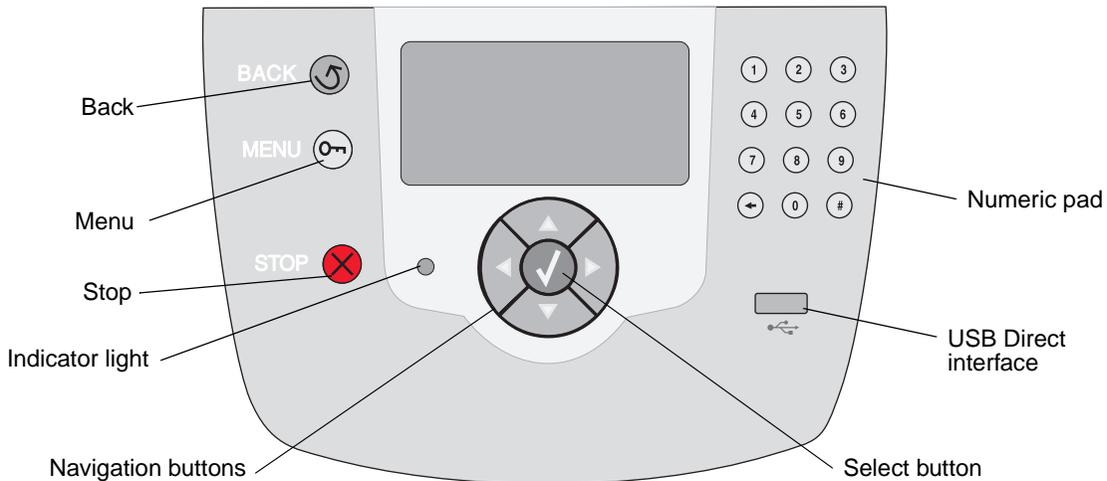
- Security**
- Max Invalid PIN
 - Job Expiration

- Network/Ports**
- TCP/IP
 - IPv6
 - Wireless
 - Standard Network and Network <x>
 - Standard USB and USB <x>
 - Parallel <x>
 - Serial <x>
 - NetWare
 - AppleTalk
 - LexLink
 - USB Direct

- Help**
- Print All
 - Color Quality
 - Print Quality
 - Printing Guide
 - Supplies Guide
 - Media Guide
 - Print Defects
 - Menu Map
 - Information Guide
 - Connection Guide
 - Moving Guide

Understanding the printer operator panel

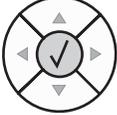
The printer operator panel is a four line, back lit, gray scale display that can show both graphics and text. The Back, Menu, and Stop buttons are located to the left of the operator panel, the navigation buttons are located below the panel, and the numeric pad is located to the right of the panel.



The use of the buttons and the layout of the display panel is described in the following table.

Button	Function										
Back 	Press the Back button to return to the last screen viewed. Note: Changes made on a screen will not be applied if you press the Back button.										
Menu 	Press the Menu button to open the menu index. Note: The printer must be in the Ready state to access the menu index. A message indicating the menus are unavailable will appear if the printer is not ready.										
Stop 	Press the Stop button to stop the mechanical operation of the printer. After pressing Stop , the message stopping is displayed. When the printer has stopped, the status line in the operator panel will show stopped , and a list of options will appear.										
Indicator light	A two-toned green and red LED is used on the operator panel. The lights indicate whether the printer power is on, the printer is busy, idle, processing a job, or requires operator intervention. <table border="1" data-bbox="522 1438 1385 1663"> <thead> <tr> <th>Status</th> <th>Indicates</th> </tr> </thead> <tbody> <tr> <td>Off</td> <td>Power is off.</td> </tr> <tr> <td>Solid green</td> <td>Printer is on, but idle.</td> </tr> <tr> <td>Flashing green</td> <td>Printer is warming up, processing data, or printing a job.</td> </tr> <tr> <td>Solid red</td> <td>Operator intervention is required.</td> </tr> </tbody> </table>	Status	Indicates	Off	Power is off.	Solid green	Printer is on, but idle.	Flashing green	Printer is warming up, processing data, or printing a job.	Solid red	Operator intervention is required.
Status	Indicates										
Off	Power is off.										
Solid green	Printer is on, but idle.										
Flashing green	Printer is warming up, processing data, or printing a job.										
Solid red	Operator intervention is required.										

Using printer menus

Button	Function
<p>Navigation buttons</p> 	<p>The Up and Down buttons are used to move up and down lists.</p> <p>When navigating through a list using the Up or Down button, the cursor moves one line at a time. Pressing the Down button changes the screen to the next whole page.</p> <hr/> <p>The Left and Right buttons are used to move within a screen, such as moving from one menu index item to another. They are also used to scroll through text that will not fit on the screen.</p> <hr/> <p>The Select button is used to initiate action on a selection. Press Select to select an item, to submit a configuration item, or to start or cancel a job.</p> 
<p>USB Direct interface</p>	<p>The host USB Direct interface on the operator panel is used to plug in a USB flash memory device and print .pdf, .gif, .jpeg, .jpg, .bmp, .png, .tiff, .tif, .pcx, and .dcx files.</p> <p>Note: A USB port is located on the back of the printer to connect a computer or other peripheral.</p>
<p>Numeric pad</p> 	<p>The numeric pad consists of numbers, a pound (#) sign, and a backspace button. The 5 button has a raised bump for non-visual orientation.</p> <p>The numbers are used to enter numeric values for items like quantities or PINs. The backspace is used to delete the number to the left of the cursor. Pressing the backspace multiple times will delete additional entries.</p> <p>Note: The pound (#) sign is not used.</p>
<p>Display panel</p> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <p>↶ Status / Supplies</p> <p>✓ Ready</p> <p>Tray 1 low</p> <p>View Supplies</p> </div> <p>Tell Me More screen</p> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <p>↶ Some held jobs were not restored.</p> </div> <p>Show me screen</p> <div style="border: 1px solid black; padding: 5px;"> <p>↶ Remove tray; remove print media</p>  </div>	<p>The display panel shows messages and graphics describing the current state of the printer and indicating possible printer problems you must resolve.</p> <p>The top line of the display is the header line. If applicable, it will contain the graphic indicating the Back button can be used. It will also display the current status and the Supplies (Warnings) status. If multiple warnings are present, each warning will be separated by a comma.</p> <p>The other three lines of the display are the body of the screen. This is where you view printer status, supplies messages, Show me screens, and make selections.</p>

Using printer menus

Menu Groups

Note: An asterisk (*) next to a value indicates the default setting.

Supplies Menu

Items listed under the Supplies Menu are view-only supply status options.

Menu selection	Purpose	Values	
Cyan Cartridge	Review cyan toner status.	Low	
		Invalid	
		Missing	
		Defective	
		OK	
		Unsupported	
Magenta Cartridge	Review magenta toner status.	Low	
		Invalid	
		Missing	
		Defective	
		OK	
		Unsupported	
Yellow Cartridge	Review yellow toner status.	Low	
		Invalid	
		Missing	
		Defective	
		OK	
		Unsupported	
Black Cartridge	Review black toner status.	Low	
		Invalid	
		Missing	
		Defective	
		OK	
		Unsupported	
Waste Toner Box	Review the waste toner box status.	Near Full	
		Replace	
		Missing	
		OK	

Using printer menus

Menu selection	Purpose	Values	
Fuser	Review the fuser status.	Life Warning	
		Replace	
		Missing	
		OK	
ITU	Review the transfer belt status.	Life Warning	
		Replace	
		Missing	
		OK	

Using printer menus

Paper Menu

Use the "Paper" Menu to define the paper loaded in each paper tray, the default paper source, and the output bin.

Default Source

Menu selection	Purpose	Values	
Default Source	Identifies the default paper source.	Tray <x>	If you loaded the same size and type of paper in two paper sources (and the Paper Size and Paper Type menu items are correctly set), the trays are automatically linked. When one paper source is empty, paper automatically feeds from the next linked source.
		MP Feeder	
		Manual Paper	
		Manual Env	

Paper Size/Type

This menu selection is used to set the size and type of media loaded into an input tray. Setting the paper size and type is a two-step process. In the first menu selection, *Size* appears in bold letters. After you select the media size, the screen will change, and *Type* appears in bold letters. You can then select the media type.

Note: Only installed paper sources are displayed.

Menu selection	Purpose	Values	
Tray <x> Size/Type	Identifies the default paper size for each paper source. Note: For trays with automatic size sensing, only the value detected by the hardware is displayed.	A4* (non-US) A5 JIS B5 Letter* (US) Legal Executive Folio Statement Universal 7 3/4 Envelope 9 Envelope 10 Envelope DL Envelope C5 Envelope B5 Envelope Other Envelope	If you loaded the same size and type of paper in two paper sources (and the Paper Size and Paper Type menu items are correctly set), the trays are automatically linked. When one paper source is empty, paper automatically feeds from the next linked source.

Using printer menus

Menu selection	Purpose	Values	
Tray <x> Size/Type	Identifies the type of paper installed in each paper source. Note: If a user-defined name is available, it is displayed instead of Custom Type <x> . If two or more custom types share the same name, the name only appears once in the Paper Type list.	Plain Paper* Card Stock Transparency Glossy Labels Vinyl Labels Bond Envelope Letterhead Preprinted Colored Paper Custom Type <x>	Use this menu item to: <ul style="list-style-type: none"> Optimize print quality for the specified paper. Select paper sources through your software application by selecting type and size. Automatically link paper sources. Any sources containing the same type and size of paper are automatically linked by the printer if you have set the Paper Size and the Paper Type to the correct values.
MP Feeder Size/Type	Identifies the size of paper installed in the multipurpose feeder.	A4* (non-US) A5 JIS B5 Letter* (US) Legal Executive Folio Statement Universal 7 3/4 Envelope 9 Envelope 10 Envelope DL Envelope C5 Envelope B5 Envelope Other Envelope	The multipurpose feeder is only displayed on the operator panel when Configure MP is set to Cassette.
MP Feeder Size/Type	Identifies the type of paper installed in the multipurpose feeder. Note: If a user-defined name is available, it is displayed instead of Custom Type <x> . If two or more custom types share the same name, the name only appears once in the Paper Type value list.	Plain Paper Card Stock Transparency Glossy Labels Vinyl Labels Bond Envelope Letterhead Preprinted Colored Paper Custom Type 1 Custom Type 2 Custom Type 3 Custom Type 4 Custom Type 5 Custom Type 6*	The multipurpose feeder is only displayed on the operator panel when Configure MP is set to Cassette.

Using printer menus

Menu selection	Purpose	Values
Manual Paper Size/Type	Identifies the paper size being manually loaded.	A4* (non-US) A5 JIS B5 Letter* (US) Legal Executive Folio Statement Universal
Manual Paper Size/Type	Identifies the paper type being manually loaded.	Plain Paper* Card Stock Transparency Glossy Labels Vinyl Labels Bond Letterhead Preprinted Colored Paper Custom Type <x>
Manual Envelope Size/Type	Identifies the envelope size being manually loaded.	7 3/4 Envelope 9 Envelope 10 Envelope* (US) DL Envelope* (non-US) C5 Envelope B5 Envelope Other Envelope
Manual Envelope Size/Type	Identifies the envelope type being manually loaded.	Envelope* Custom Type <x>

Configure MP

This menu selection is used to configure the multipurpose feeder as another paper tray or manual feeder. If you link the multipurpose feeder with another tray, you can have the printer pull paper from the multipurpose feeder before taking paper from another tray.

Menu selection	Purpose	Values
Configure MP	Determines when the printer selects paper loaded in the multipurpose feeder.	Cassette* Manual First

Substitute Size

This menu selection is used to determine whether the printer can substitute another size paper if the requested paper size is not currently installed in any of the printer input sources (if, for example, Substitute Size is set to Letter/A4, and only letter

Using printer menus

size paper is installed in the printer). When a request is received to print on A4 paper, the printer will substitute letter for A4 and print the job instead of displaying a change paper request.

Menu selection	Purpose	Values	
Substitute Size	Substitutes the specified paper size if the requested size is not loaded.	Off Statement/A5 Letter/A4 All Listed*	<ul style="list-style-type: none"> The Off value indicates no size substitutions are allowed. The All Listed value indicates that all available substitutions are allowed.

Paper Texture

This menu selection is used to set the paper texture for each of the defined media types. This allows the printer to optimize the print quality for the media texture.

Menu selection	Purpose	Values	
Plain Texture	Identifies the texture of the paper loaded in a specific source, and ensures the toner adheres properly to the printed page.	Smooth	
Transparency Texture		Normal*	
Glossy Texture		Rough	
Labels Texture			
Vinyl Labels Texture			
Bond Texture		Smooth	
		Normal	
		Rough*	
Envelope Texture		Smooth	
Letterhead Texture		Normal*	
Preprinted Texture	Rough		
Colored Texture			
Card Stock Texture	Identifies the texture of the card stock loaded in a specific source.	Smooth Normal* Rough	Shown if Card Stock is supported in the specified input source.
Custom <x> Texture	Identifies the texture of the custom paper loaded in a specific source.	Smooth Normal* Rough	Shown if the custom type is supported in the specified input source.

Using printer menus

Paper Weight

This menu selection is used to set the paper weight for each of the defined media types. This allows the printer to optimize the print quality for the media weight.

Menu selection	Purpose	Values	
Plain Weight	Identifies the relative weight of the paper loaded in a specific source, and ensures the toner adheres properly to the printed page.	Light Normal* Heavy	
Transparency Weight			
Glossy Weight			
Labels Weight			
Vinyl Labels Weight			
Bond Weight			
Envelope Weight			
Letterhead Weight			
Preprinted Weight			
Colored Weight			
Card Stock Weight	Identifies the relative weight of the card stock loaded in a specific source.	Light Normal* Heavy	Shown if Card Stock is supported in the specified input source.
Custom <x> Weight	Identifies the relative weight of the custom paper loaded in a specific source.	Light Normal* Heavy	Shown if the custom type is supported in the specified input source.

Paper Loading

This menu selection is used to set the loading orientation for each paper type. This lets you load an input source with preprinted media, and then notify the printer that the media is loaded for duplex printing. You can then use your application software to indicate simplex printing. When simplex printing is selected, the printer automatically inserts blank pages to print the simplex job correctly.

Note: Paper Loading is only available if a duplex unit is installed.

Menu selection	Purpose	Values	
Labels Loading	Properly handles preprinted paper whether the job is a duplexed or single-sided job.	Duplex Off*	
Bond Loading			
Vinyl Labels Loading			
Letterhead Loading			
Preprinted Loading			
Colored Loading			
Glossy Loading	Properly handles glossy paper whether the job is a duplexed or single-sided job.	Duplex Off*	Shown if glossy paper is supported in the specified input source.

Using printer menus

Menu selection	Purpose	Values	
Card Stock Loading	Properly handles card stock whether the job is a duplexed or single-sided job.	Duplex Off*	Shown if Card Stock is supported in the specified input source.
Custom <x> Loading	Properly handles preprinted custom paper whether the job is a duplexed or single-sided job.	Duplex Off*	Shown if the custom type is supported in the specified input source.

Custom Types

This menu selection is used to define a name for each custom paper type. You can assign names using a utility such as MarkVision or from the operator panel.

Menu selection	Purpose	Values	
Custom Type [x]	Specifies the type of paper associated with each Custom Type available in the Paper Type menu.	Paper* Card Stock Transparency Glossy Labels Vinyl Labels Envelope	The custom type media must be supported in the input source you designate in order to assign a user-defined name. Once the name is assigned, the name (truncated to 24 characters) will be displayed instead of Custom Type x .

Universal Setup

This menu selection is used to specify the height and width of the Universal Paper Size. By specifying the height and width for Universal Paper Size, the printer will use the Universal setting exactly like other paper sizes, including support for duplex and n-up.

Menu selection	Purpose	Values	
Units of Measure	Determines the unit of measure used to enter the Universal Height and Width.	Inches (US) Millimeters (non-US)	Inches is the US default; Millimeters is the international default.
Portrait Width	Sets the portrait width of the universal media. Note: If the value set exceeds the maximum width, the printer will use the maximum value allowed in inches or millimeters.	3 inches to 48 inches in 0.01 inch increments 76 mm to 1219 mm in 1 mm increments	Shows either inches or mm from Units of Measure setting; 8.5 inches is the US default, and 216 mm is the international default.
Portrait Height	Sets the portrait height of the universal media. Note: If the value set exceeds the maximum height, the printer will use the maximum value allowed in inches or millimeters.	3 inches to 48 inches in 0.01 inch increments 76 mm to 1219 in 1mm increments	Shows either inches or mm from the Units of Measure setting; 14 inches is the US default, and 356 mm is the international default.
Feed Direction	Specifies the feed direction of the Universal Paper Size.	Short Edge* Long Edge	Long Edge is only shown if the longest edge is shorter than the Maximum Physical Width of the printer.

Using printer menus

Bin Setup

This menu selection is used to specify the output bin where you want your printed material to go to.

Note: Only installed bins that support that media type are displayed.

Menu selection	Purpose	Values	
Output Bin	Specifies the default bin for printed material.	Standard Bin*	<ul style="list-style-type: none"> If a user-defined name is available, it is displayed instead of Bin <x>. The name is truncated to 24 characters. If two or more bins share the same name, the name only appears once in the Output Bin value list.
		Bin <x>	
Configure Bins	Determines which output bin(s) the printer uses for a particular job.	Mailbox*	Sends print jobs to the output bin designated for that user.
		Link	Links two or more bins together as though they were one large bin. When one linked bin is full, the printer starts filling the next linked bin, and continues with each additional linked bin.
		Mail Overflow	Only displayed when more than three optional output bins are installed.
		Link Optional	Only displayed when at least two optional bins are installed.
		Type Assignment	Sends each job to the output bin specified for that paper type.
Overflow Bin		Standard Bin	Only installed output bins will be displayed. If a user-defined name is available for an output bin, then the name will be displayed instead.
		Bin <x>	
Assign Type/Bin	Sends print jobs to a specific output bin based on the requested paper type. Note: If a user-defined name is available, it is displayed instead of Custom <x> Bin . The name is truncated to 24 characters. If two or more bins share the same name, the name only appears once in the Assign Type/Bin value list.	Plain Paper Bin	Disabled*
		Card Stock Bin	Standard Bin
		Transparency Bin	Bin 1
		Glossy Paper Bin	Bin 2
		Labels Bin	Bin 3
		Vinyl Labels Bin	Bin 4
		Bond Bin	Bin 5
		Envelope Bin	Note: Only installed output bins will be displayed. If Configure Bins is set to Type Assignment then the default is the Standard Bin.
		Letterhead Bin	
		Preprinted Bin	
		Colored Bin	
Custom <x> Bin (<x> represents 1 through 6)			

Reports

Menu Settings Page

This menu selection prints a menu settings page.

Menu selection	Purpose	Values
Menu Settings Page	Prints information relating to the default printer settings and verifies that printer options are installed correctly.	After selecting this item, the page will print, and the printer will return to Ready .

Device Statistics

This menu selection displays the printer statistics.

Menu selection	Purpose	Values
Device Statistics	Prints information relating to the printer statistics.	After selecting this item, the page will print, and the printer will return to Ready .

Network Setup Page

This menu selection prints a network setup page.

Menu selection	Purpose	Values
Network Setup Page Network <x> Setup Page will appear if additional network options are installed.	Prints information relating to network settings and verifies the network connection. Note: This page also provides information that helps you configure for network printing.	After selecting this item, the page will print, and the printer will return to Ready .

Wireless Setup Page

This menu selection prints a wireless setup page.

Menu selection	Purpose	Values
Wireless Setup Page Only displayed when an optional wireless internal print server is installed.	Prints information relating to wireless settings.	After selecting this item, the page will print, and the printer will return to Ready .

Using printer menus

Profiles List

This menu selection prints a list of profiles stored on this printer.

Menu Selection	Purpose	Values
Profiles List	Prints a list of profiles stored on the printer.	After selecting this item, the page will print, and the printer will return to Ready .

NetWare Setup Page

This menu selection prints information relating to the internal print server.

Menu selection	Purpose	Values
NetWare Setup Page	Prints information relating to the internal print server and the network settings defined by the Network <x> Setup menu item in the Network Menu.	After selecting this item, the page will print, and the printer will return to Ready .

Print Fonts

This menu selection prints a list of the fonts stored in the printer.

Menu selection	Purpose	Values
Print Fonts	Prints a sample of all the fonts available for the selected printer language.	PCL Fonts Prints a sample of all printer fonts available for PCL emulation.
		PS Fonts Prints a sample of all printer fonts available for PostScript emulation.
		PPDS Fonts Only displayed if Active.

Print Directory

This menu selection prints the directory listing. The directory listing is a list of the resources that are stored on a formatted optional flash memory card or hard disk.

Menu selection	Purpose	Values
Print Directory	Prints a list of the resources that are stored on the optional flash memory card or hard disk. Note: Print Directory is available only when a nondefective flash or disk is installed and formatted.	After selecting this item, the page will print, and the printer will return to Ready .

Using printer menus

Print Demo

This menu selection prints a demo page.

Menu selection	Purpose	Values	
Print Demo	Prints a demo page.	Print	After selecting this item, the page will print, and the printer will return to Ready .
PPDS info	Prints the PPDS info page.	Print	PPDS must be active for the PPDS settings to be displayed. After selecting this item, the page will print, and the printer will return to Ready .
[List of resident demo pages]	Prints a resident demo page.	Print	After selecting this item, the page will print, and the printer will return to Ready .

Settings

Setup Menu

Use this menu selection to configure a variety of printer features.

Menu selection	Purpose	Values	
Display Language	Determines the language of the text displayed on the operator panel.	English	Note: All values may not be available.
		Français	
		Deutsch	
		Italiano	
		Español	
		Dansk	
		Norsk	
		Nederlands	
		Svenska	
		Português	
		Suomi	
		Russian	
		Polski	
		Hungarian	
		Turkish	
		Czech	
		Simplified Chinese	
Traditional Chinese			
Korean			
Japanese			

Using printer menus

Menu selection	Purpose	Values	
Power Saver	Specifies the amount of time (in minutes) the printer waits after a job is printed before it goes into a reduced power state.	1–240	<p>Specifies the amount of time after a print job before the printer goes into Power Saver mode. (Your printer may not support the entire range of values.)</p> <p>The factory default Power Saver setting depends on your printer model. Print the menu settings page to determine the current Power Saver setting. When the printer is in Power Saver mode, it is still ready to receive print jobs.</p> <p>Select 1 to put the printer in Power Saver mode one minute after it finishes a print job. This uses much less energy, but requires more warm-up time for the printer. Select 1 if your printer shares an electrical circuit with room lighting and you notice lights flickering.</p> <p>Select a high value if your printer is in constant use. Under most circumstances, this keeps the printer ready to print with minimum warm-up time. Select a value between 1 and 240 minutes if you want a balance between energy consumption and a shorter warm-up period.</p>
		Disabled	The value "Disabled" will be hidden if Energy Conserve (Config Menu) is set to On.
Alarms	Controls whether the printer sounds an alarm when the printer requires operator intervention.	Alarm Control: Off Single* Continuous	<p>Off—Printer does not sound an alarm.</p> <p>Single*—Printer sounds three quick beeps.</p> <p>Continuous—Printer repeats three beeps every 10 seconds.</p> <p>Note: Staple Alarm is only displayed when the finisher is installed.</p>
		Cartridge Alarm: Off Single* Continuous	
		Staple Alarm: Off* Single Continuous	

Using printer menus

Menu selection	Purpose	Values	
Timeouts	<p>Specifies the amount of time (in seconds) the printer waits to return to the home screen, receive an end-of-job message, or receive additional bytes of data from the computer.</p> <p>Note: Wait Timeout is only available when you use PostScript emulation. This menu value has no effect on PCL emulation print jobs.</p> <p>Note: Print Timeout is only available when you use PCL emulations. This menu value has no effect on PostScript emulation print jobs.</p>	Screen Timeout: 15–300 (30*)	<p>Disabled—Disables Screen Timeout.</p> <p>15–300—Specifies the amount of time the printer waits before returning to the home screen.</p> <p>30* is the default setting.</p>
		Print Timeout Disabled 1–255 (90*)	<p>Disabled—Disables Print Timeout.</p> <p>1–25—Specifies the amount of time the printer waits for an end-of-job message before canceling the remainder of the print job.</p> <p>Note: When the timer expires, any partially formatted page still in the printer is printed, and other input ports are examined to see if data exists.</p> <p>90* is the default setting.</p>
		Wait Timeout: Disabled 15–65535 (40*)	<p>Disabled—Disables Wait Timeout.</p> <p>15...65535—Specifies the amount of time the printer waits for additional data before it cancels the job.</p> <p>40* is the default setting.</p>
		Network Job Timeout: 0–255 (90*)	<p>In 1 second increments</p> <p>A value of 0 disables the timeout. If a value between 1–9 is selected, the setting will be saved at 10.</p>

Using printer menus

Menu selection	Purpose	Values	
Print Recovery	Specifies whether the printer continues from certain offline situations, reprints jammed pages, or waits until the entire page is processed and ready to be printed.	Auto Continue: Disabled* 5–255	Lets the printer automatically continue from certain offline situations when not resolved within the specified time period. 5–255 —Specifies the amount of time the printer waits.
		Jam Recovery: On Off Auto*	Specifies whether the printer reprints jammed pages. On —Printer reprints jammed pages. Off —Printer does not reprint jammed pages. Auto* —Printer reprints a jammed page unless the memory required to hold the page is needed for other printer tasks.
		Page Protect: Off* On	Successfully prints a page that may otherwise generate Complex Page errors. Off* —Prints a partial page of data if memory is insufficient to process the entire page. On —Ensures that an entire page is processed before it prints. Note: If, after selecting On, you still cannot print the page, you may also have to reduce the size and number of fonts on the page, or increase the installed printer memory. Note: For most print jobs, you do not need to select On. When On is selected, printing may be slower.
Printer Language	Specifies the default printer language used to communicate data from the computer to the printer. Note: Setting a printer language as the default does not prevent a software application from sending print jobs that use the other language.	PCL Emulation PS Emulation* PPDS Emulation	PCL emulation —Uses a PCL interpreter for incoming host communications. PostScript emulation —Uses a PS interpreter for incoming host communications. PPDS emulation is the default if active.
Print Area	To modify the logical and physical printable area.	Normal* Fit to Page Whole Page	
Printer Usage	To determine the behavior of the image transfer unit during printing.	Max Speed	The image transfer unit is engaged throughout the print job.
		Max Yield*	The image transfer unit position is engaged based on page content. This may extend the life of certain print supplies.
Black Only Mode	To set the printer to print only in black and white.	On	Color prints as indicated in print job.
		Off*	The equivalent to setting Color Mode to Black & White.

Using printer menus

Menu selection	Purpose	Values	
Download Target	Specifies the storage location for downloaded resources. Storing downloaded resources in flash memory or on a hard disk is permanent storage rather than the temporary storage that RAM provides. The resources remain in the flash memory or on the hard disk even when the printer is turned off.	RAM*	All downloaded resources are automatically stored in printer memory (RAM).
		Flash	All downloaded resources are automatically stored in flash memory.
		Disk	All downloaded resources are automatically stored on the hard disk.
Job Accounting	Specifies to store or not store statistical information about your most recent print jobs on the hard disk. The statistics include whether the job printed with or without errors, the print time, the job size (in bytes), the requested paper size and paper type, the total number of printed pages, and the number of copies requested. Note: Job Accounting is only displayed when a hard disk is installed, and is neither defective nor Read/Write or Write protected.	Off*	Printer does not store job statistics on disk.
		On	Printer stores job statistics for the most recent print jobs.
Resource Save	Specifies what the printer does with downloaded resources, such as fonts and macros stored in RAM, if the printer receives a job that requires more memory than is available.	Off*	Printer retains downloaded resources only until memory is needed. It then deletes those resources associated with the inactive printer language.
		On	Printer retains all downloaded resources for all printer languages during language changes and printer resets. If the printer runs out of memory, 38 Memory Full is displayed.
Factory Defaults	Returns printer settings to the factory default values.	Restore Now	<ul style="list-style-type: none"> • All menu items are returned to the factory default values except: <ul style="list-style-type: none"> – Display Language. – All settings in the Parallel Menu, Serial Menu, Network Menu, and USB Menu. • All downloaded resources (fonts, macros, and symbol sets) in printer memory (RAM) are deleted. (Resources residing in flash memory or on the hard disk are unaffected.)
		Do Not Restore*	User-defined settings remain.

Using printer menus

Finishing Menu

Use this menu selection to define how the printer delivers the printed output.

Menu selection	Purpose	Values	
Duplex	Sets duplexing as the default for all print jobs. Note: The Duplex option only displays if the duplex unit is installed. Note: Select Duplex from the printer driver to duplex only specific jobs.	Off*	Prints on one side of the paper.
		On	Prints on both sides of the paper. The Duplex option only displays if the duplexer is installed.
Duplex Bind	Defines the way duplexed pages would be bound, and how the printing on the back of the sheet (even-numbered pages) is oriented in relation to the printing on the front (odd-numbered pages). Note: The Duplex option only displays if the duplex unit is installed.	Long Edge*	Assumes binding along the long edge of the page (left edge for portrait orientation and top edge for landscape orientation).
		Short Edge	Assumes binding along the short edge of the page (top edge for portrait orientation and left edge for landscape orientation).
Copies	Sets the number of copies you want for the printer default value. Note: Set the number of copies required for a specific job from the printer driver.	1...999 (1*)	Values selected from the printer driver always override values selected from the operator panel.
Blank Pages	Specifies whether to include application-generated blank pages as part of your printed output.	Do Not Print*	Does not print application-generated blank pages as part of your job.
		Print	Prints application-generated blank pages as part of your job.
Collation	Keeps the pages of a print job stacked in sequence when printing multiple copies of the job.	Off*	Prints each page of a job the number of times specified by the Copies menu item. For example, if you set Copies to 2, and send three pages to print, the printer prints page 1, page 1, page 2, page 2, page 3, page 3.
		On	Prints entire job the number of times specified by the Copies menu item. For example, if you set Copies to 2, and send three pages to print, the printer prints page 1, page 2, page 3, page 1, page 2, page 3.

Using printer menus

Menu selection	Purpose	Values	
Separator Sheets	Inserts blank separator sheets between jobs, between multiple copies of a job, or between each page of a job.	None*	Does not insert separator sheets.
		Between Copies	Inserts a blank sheet between each copy of a job. If Collation is Off, a blank page is inserted between each set of printed pages (all page 1's, all page 2's, and so on). If Collation is On, a blank page is inserted between each collated copy of the job.
		Between Jobs	Inserts a blank sheet between jobs.
		Between Pages	Inserts a blank sheet between each page of a job. This is useful if you are printing transparencies or want to insert blank pages in a document for notes.
Separator Source	Specifies the paper source that holds separator sheets.	Tray <x> (Tray 1*)	Selects separator sheets from the specified tray.
		MP Feeder	Selects separator sheets from the multipurpose feeder. Note: You must also set Configure MP to Cassette.
Multipage Print	Prints multiple-page images on one side of a sheet of paper. Also called <i>n-up</i> or <i>Paper Saver</i> .	Off*	Prints 1 page image per side.
		2 Up	Prints 2 page images per side.
		3 Up	Prints 3 page images per side.
		4 Up	Prints 4 page images per side.
		6 Up	Prints 6 page images per side.
		9 Up	Prints 9 page images per side.
		12 Up	Prints 12 page images per side.
		16 Up	Prints 16 page images per side.

Using printer menus

Menu selection	Purpose	Values																									
Multipage Order	Determines the positioning of multiple-page images when using Multipage Print. The positioning depends on the number of images and whether the images are portrait or landscape in orientation.	Horizontal*																									
		Vertical																									
	For example, if you select 4-Up multipage printing and portrait orientation, the results differ depending on the Multipage Order value you select:	Rev Horizontal																									
		Rev Vertical																									
	<table style="width: 100%; text-align: center; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Horizontal Order</th> <th colspan="2">Vertical Order</th> <th colspan="2">Reverse Horizontal Order</th> <th colspan="2">Reverse Vertical Order</th> </tr> </thead> <tbody> <tr> <td style="border: 1px solid black; padding: 5px;">1</td> <td style="border: 1px solid black; padding: 5px;">2</td> <td style="border: 1px solid black; padding: 5px;">1</td> <td style="border: 1px solid black; padding: 5px;">3</td> <td style="border: 1px solid black; padding: 5px;">2</td> <td style="border: 1px solid black; padding: 5px;">1</td> <td style="border: 1px solid black; padding: 5px;">3</td> <td style="border: 1px solid black; padding: 5px;">1</td> </tr> <tr> <td style="border: 1px solid black; padding: 5px;">3</td> <td style="border: 1px solid black; padding: 5px;">4</td> <td style="border: 1px solid black; padding: 5px;">2</td> <td style="border: 1px solid black; padding: 5px;">4</td> <td style="border: 1px solid black; padding: 5px;">4</td> <td style="border: 1px solid black; padding: 5px;">3</td> <td style="border: 1px solid black; padding: 5px;">4</td> <td style="border: 1px solid black; padding: 5px;">2</td> </tr> </tbody> </table>	Horizontal Order		Vertical Order		Reverse Horizontal Order		Reverse Vertical Order		1	2	1	3	2	1	3	1	3	4	2	4	4	3	4	2		
Horizontal Order		Vertical Order		Reverse Horizontal Order		Reverse Vertical Order																					
1	2	1	3	2	1	3	1																				
3	4	2	4	4	3	4	2																				
Multipage View	Determines the orientation of a multiple-page sheet.	Auto*		Lets the printer choose between portrait and landscape orientation.																							
		Long Edge		Sets the long edge of the paper as the top of the page (landscape).																							
		Short Edge		Sets the short edge of the paper as the top of the page (portrait).																							
Multipage Border	Prints a border around each page image when using Multipage Print.	None*		Does not print a border around each page image.																							
		Solid		Prints a solid line border around each page image.																							
Staple Job		Off* On		Note: Only displayed when the finisher is installed																							
Offset Pages		None Between Copies Between Jobs																									

Quality Menu

Use this menu selection to change settings that affect print quality and save toner.

Menu selection	Purpose	Values
Print Mode	To determine whether images are printed in a monochrome grayscale or in color.	Color*
		Black Only

Using printer menus

Menu selection	Purpose	Values	
Color Correction	<p>To adjust the printed color to better match the colors of other output devices or standard color systems.</p> <p>Due to the differences between additive and subtractive colors, certain colors that appear on the monitor are impossible to duplicate on the printer.</p>	Auto*	Applies different color conversion tables to each object on the printed page, depending on the type of object and how the color for each object is specified.
		Off	No color correction is implemented.
		Manual	Allows customization of the color conversion tables applied to each object on the printed page, depending on the type of object and how the color for each object is specified. Customization is performed using the selections available under the Manual Color menu item.
Print Resolution	Selects the quality of printed output.	1200 dpi	
		4800 CQ*	
Toner Darkness	Lighten or darkens printed output and conserves toner.	1 to 5	<p>4* is the default setting.</p> <p>Select a lower number to lighten the printed output or save toner.</p>
Color Saver	<p>To conserve toner in graphics and images yet maintain high quality text. The amount of toner used to print graphics and images is reduced; however, text is printed with default toner usage. If selected, this setting overrides Toner Darkness settings. Color Saver is not supported in PPDS, and partially supported by the PCL emulation driver.</p>	On	
		Off*	
RGB Brightness	To assist in making brightness, contrast, and saturation adjustments to color output.	-6, -5, -4, -3, -2, -1, 0*, 1, 2, 3, 4, 5, 6	<p>-6 is the maximum decrease</p> <p>6 is the maximum increase</p> <p>0 is the default setting</p>
RGB Contrast	<p>These functions do not affect files where CMYK color specifications are being used. See Frequently asked questions (FAQ) about color printing in the <i>User's Guide</i> on the <i>Software and Documentation</i> CD for more information on color specifications.</p>	0*, 1, 2, 3, 4, 5	<p>0 is the default setting</p> <p>5 is the maximum increase</p>
RGB Saturation		0*, 1, 2, 3, 4, 5	<p>0 is the default setting</p> <p>5 is the maximum increase</p>
Color Balance		Cyan	<p>-5, -4, -3, -2, -1, 0*, 1, 2, 3, 4, 5</p> <p>-5 is the maximum decrease</p> <p>5 is the maximum increase</p>
	Magenta		
	Yellow		
	Black		
		Reset Defaults	Sets values for Cyan, Magenta, Yellow, and Black to 0 (zero).

Using printer menus

Menu selection	Purpose	Values	
Color Samples	<p>To assist users in selecting colors to be printed. Users can print color samples pages for each of the RGB and CMYK color conversion tables used in the printer.</p> <p>The color samples pages consist of a series of colored boxes along with the RGB or CMYK combination that creates the color observed for each particular box. These pages can be useful in helping users decide which RGB or CMYK combinations to use in their software applications to create the desired printed color output.</p> <p>The printer Embedded Web Server interface, which is only available on network models, offers users more flexibility. It lets users print Detailed Color Samples.</p>	sRGB Display	Prints RGB samples using sRGB Display color conversion tables.
		sRGB Vivid	Prints RGB samples using sRGB Vivid color conversion tables.
		Display — True Black	Prints RGB samples using Display — True Black color conversion tables.
		Vivid	Prints RGB samples using Vivid color conversion tables.
		Off—RGB	Color conversion is implemented.
		US CMYK	Prints CMYK samples using US CMYK color conversion tables.
		Euro CMYK	Prints CMYK samples using Euro CMYK color conversion tables.
		Vivid CMYK	Prints CMYK samples using Vivid CMYK color conversion tables.
		Off—CMYK	No color conversion is implemented.

Using printer menus

Menu selection	Purpose	Values	
Manual Color	To let users customize the RGB or CMYK color conversions applied to each object on the printed page. Color conversion of the data specified using RGB combinations can be customized based on object type (text, graphics, or image) through the printer operator panel.	RGB Image	<p>sRGB Display*—Applies a color conversion table to produce output that approximates the colors displayed on a computer monitor.</p> <p>sRGB Vivid—Increases color saturation for the sRGB Display color conversion table. Preferred for business graphics and text.</p> <p>Display—True Black—Applies color conversion table to produce output that approximates the colors displayed on a computer monitor while using only black toner for neutral gray colors.</p> <p>Vivid—Applies a color conversion table that produces brighter, more saturated colors.</p> <p>Off—No color conversion is implemented.</p>
		RGB Text	sRGB Display
		RGB Graphics	sRGB Vivid* Display - True Black Vivid Off
		CMYK Image CMYK Text CMYK Graphics	<p>US CMYK* (country/region-specific factory default values)—Applies a color conversion table to approximate SWOP color output.</p> <p>Euro CMYK* (country/region-specific factory default values)—Applies color conversion table to approximate EuroScale color output.</p> <p>Vivid CMYK—Increases color saturation for the US CMYK color conversion table.</p> <p>Off—No color conversion is implemented.</p>
Color Adjust	Automatic color adjust will occur periodically during printing. Color adjustment can be manually started by this operation.	No selections exist for this operation. Pressing <input checked="" type="checkbox"/> initiates this operation.	
Enhance Fine Lines	A selection to enable a print mode preferable for certain files containing fine line detail, such as architectural drawings, maps, electronic circuit diagrams, and flow charts. Enhance Fine Lines is not a menu item. This setting is only available on the PCL emulation driver or PostScript driver or on the printer Embedded Web Server.	On	In the driver, enable the check box.
		Off*	In the driver, disable the check box.

Using printer menus

Utilities Menu

Use this menu selection to change printer settings, remove jobs, set up printer hardware, and troubleshoot printer problems.

Menu selection	Purpose	Values	
Factory Defaults	Returns printer settings to the factory default values.	Do Not Restore*	User-defined settings remain.
		Restore Now	<p>All menu items are returned to the factory default values except:</p> <ul style="list-style-type: none"> • Display Language • All settings in the Parallel Menu, Serial Menu, Network Menu, and USB Menu • Resources residing in flash memory or on the hard disk <p>Note: All downloaded resources (fonts, macros, and symbol sets) in printer memory (RAM) are deleted.</p>
Remove Held Jobs	Removes confidential and held jobs from the printer hard disk.	Confidential Held Not Restored All	Selecting a menu value only affects jobs that are resident in the printer. Bookmarks, jobs on USB flash memory devices, and other types of held jobs are not affected.
Format Flash	Formats the flash memory. Warning: Do not turn off the printer while the flash is formatting.	Yes	Deletes any data stored in flash memory and prepares the flash memory to receive new resources.
		No	Cancels the request to format the flash memory and leaves current resources stored in flash memory.
Defragment Flash	Retrieves lost storage area from resources that were deleted from flash memory. Warning: Do not turn off the printer while the flash is defragmenting.	Yes	Transfers all resources stored in flash memory to printer memory and then reformats the flash memory option. When the format operation is complete, the resources are loaded back into flash memory.
		No	Cancels the request to defragment the flash memory.
Format Disk	Formats the printer hard disk. Warning: Do not turn off the printer while the hard disk is formatting.	Yes	Deletes any data stored on the hard disk and prepares the device to receive new resources.
		No	Cancels the request to format the hard disk and leaves current resources stored on the disk.
Job Acct Stat	Prints a listing of all job statistics stored on the hard disk, or clears all statistics on the disk.	Print	Prints all statistics available for the most recent print jobs.
		Clear	Deletes all accumulated job statistics from the hard disk.
Color Alignment	To print a color alignment test page, which can be used to properly align how colors are printed.	Print Alignment Page	No selections exist for this operation. Pressing the Select button will print the alignment page.
		Set A–Set L	You are prompted to enter alignment values for each setting (A–L).

Using printer menus

Menu selection	Purpose	Values	
Hex Trace	Helps isolate the source of a print job problem.	Activate	With Hex Trace selected, all data sent to the printer is printed in hexadecimal and character representation. Control codes are not executed. Note: To exit Hex Trace, turn the printer off, or reset the printer by pressing the Stop button.
Coverage Estimator	Provides an estimate of the percent coverage of cyan, magenta, yellow, and black on a page. The estimate is printed on a separator page.	Off*	Percent coverage is not printed.
		On	Prints the estimated percentage of coverage for each color on a page.
LCD Contrast	Adjusts the contrast of the operator panel display.	1–10	5* is the default setting. A higher value will make the display appear lighter, a lower value makes the display appear darker.
LCD Brightness	Adjusts the brightness of the operator panel display.	1–10	5* is the default setting. A higher value increases the brightness of the display, a lower value decreases the brightness of the display.

PDF Menu

Use this menu selection to change printer settings that affect PDF jobs.

Menu selection	Purpose	Values	
Scale to Fit	Scales page content to fit the selected media size.	Yes No*	Yes —Scales the page to fit the selected print media. No* —Does not scale the page; printed text or graphics will be cropped if they are larger than the selected print media.
Annotations	Specifies whether to print annotations in the PDF.	Do Not Print* Print	Do Not Print* —Does not print PDF annotations. Print —Prints PDF annotations.

PostScript Menu

Use this menu selection to change printer settings that affect jobs using the PostScript printer language.

Menu selection	Purpose	Values	
Print PS Error	Prints a page defining the PostScript emulation error when an error occurs.	Off*	Discards the print job without printing an error message.
		On	Prints an error message before it discards the job.

Using printer menus

Menu selection	Purpose	Values	
Font Priority	Establishes the font search order. Note: Font Priority is only displayed when a formatted flash or hard disk is installed, and is neither defective nor Read/Write or Write protected.	Resident*	Printer searches printer memory for the requested font before searching flash memory or hard disk.
		Flash/Disk	Printer searches the hard disk and flash memory for the requested font before searching printer memory.
Image Smoothing	Enhances the contrast and sharpness of low-resolution bitmapped images (such as images downloaded from the World Wide Web) and smooths their color transitions. Note: Image Smoothing has no effect on images that are 300 dpi or higher resolution.	Off*	Uses default resolution when printing all images.
		On	Enhances low resolution images, such as graphics with a resolution of 72 dpi.

PCL Emul Menu

Use this menu selection to change printer settings that affect jobs using the PCL emulation printer language.

Menu selection	Purpose	Values	
Font Source	Determines the set of fonts displayed in the Font Name menu item.	Resident*	Displays all fonts resident in printer RAM when the printer ships from the factory.
		Disk	Displays all fonts stored on the printer hard disk.
		Flash	Displays all fonts stored in flash memory.
		Download	Displays all fonts downloaded to printer RAM.
		All	Displays all fonts available to the printer from all sources.
Font Name	Identifies a specific font from the specified font source.	R0 Courier*	The font name and font ID for all fonts in the selected font source are displayed. The font source abbreviation is R for resident, F for flash, K for disk, and D for download.
Symbol Set	Determines the symbol set for a specified font name.	10U PC-8* (US) (country/region-specific factory default values)	A symbol set is a set of alphabetic and numeric characters, punctuation, and special symbols used when printing with a selected font. Symbol sets support the different requirements for languages or specific applications, such as math symbols for scientific text. Only the symbol sets supported for the selected font name are displayed.
		12U PC-850* (non-US) (country/region-specific factory default values)	

Using printer menus

Menu selection	Purpose	Values	
PCL Emulation Settings	Changes the point size for scalable typographic fonts.	Point Size: 1.00–1008.00 (12*)	Point size refers to the height of the characters in the font. One point equals approximately 1/72 of an inch. You can select point sizes from 1 to 1008 in increments of 0.25 points. Note: Point Size is only displayed for typographic fonts.
	Specifies the font pitch for scalable monospaced fonts.	Pitch: 0.08–100.00 (10*)	Pitch refers to the number of fixed-space characters in a horizontal inch of type. You can select a pitch from 0.08 to 100 characters per inch (cpi) in increments of 0.01 cpi. For non-scalable monospaced fonts, the pitch is displayed but cannot be changed. Note: Pitch is only displayed for fixed, or monospaced, fonts.
	Determines how text and graphics are oriented on the page.	Orientation: Portrait* Landscape	Portrait prints text and graphics parallel to the short edge of the paper. Landscape prints text and graphics parallel to the long edge of the paper.
	Determines the number of lines that print on each page.	Lines per Page: 1–255 60* (US) 64* (non-US)	The printer sets the amount of space between each line (vertical line spacing) based on the Lines per Page, Paper Size, and Orientation menu items. Select the correct Paper Size and Orientation before changing Lines per Page.
	Sets the width of the logical page for A4 size paper.	A4 Width: 198 mm* 203 mm	Note: The 203 mm setting makes the logical page wide enough to print eighty 10-pitch characters.
	Specifies whether the printer automatically performs a carriage return after a line feed control command.	Auto CR after LF: Off* On	Off —Printer does not perform a carriage return after a line feed control command. On —Printer performs a carriage return after a line feed control command.
	Specifies whether the printer automatically performs a line feed after a carriage return control command.	Auto LF after CR: Off* On	Off —Printer does not perform a line feed after a carriage return control command. On —Printer performs a line feed after a carriage return control command.

Using printer menus

Menu selection	Purpose	Values	
Tray Renumber	Configures the printer to work with printer drivers or applications that use different source assignments for the paper trays. Note: See the <i>Technical Reference</i> for more information about assigning source numbers.	Assign MP Feeder:	Off —Printer uses factory default paper source assignments. None —Paper source ignores the Select Paper Feed command. 0–199 —Select a numeric value to assign a custom value to a paper source.
		Assign Tray [x]:	Off —Printer uses factory default paper source assignments. None —Paper source ignores the Select Paper Feed command. 0–199 —Select a numeric value to assign a custom value to a paper source.
		Assign Manual Paper:	Off —Printer uses factory default paper source assignments. None —Paper source ignores the Select Paper Feed command. 0–199 —Select a numeric value to assign a custom value to a paper source.
		Assign Manual Env:	Off —Printer uses factory default paper source assignments. None —Paper source ignores the Select Paper Feed command. 0–199 —Select a numeric value to assign a custom value to a paper source.
		View Factory Def	Displays the factory default value assigned to each paper source.
		Restore Defaults	Select Yes to return all tray assignments to factory default values.

PPDS Menu

This menu selection is used to change the printer PPDS settings.

Menu selection	Purpose	Values	
Orientation		Portrait	When this setting is changed, it is changed in both the PPDS menu and the PCL Emulation menu.
		Landscape	
Lines per Page	Sets the lines per page.	1–255 pt (64*)	
Lines per Inch	Sets the lines per inch.	0.25–30.00	In increments of 0.25
Page Format		Print* Whole	
Character Set		1	
		2*	

Using printer menus

Menu selection	Purpose	Values	
Best Fit		On* Off	
Tray 1 Renumber		Off* Tray 2	Only displayed when tray 2 is installed.
Auto CR after LF		On Off*	When this setting is changed, it is changed in both the PPDS menu and the PCL Emulation menu.
Auto LF after CR		On Off*	When this setting is changed, it is changed in both the PPDS menu and the PCL Emulation menu.

HTML Menu

This menu selection is used to change the printer HTML settings.

Menu selection	Purpose	Values	
Font Name	Sets the default font for HTML documents. Note: Times will be used in HTML documents that do not specify a font.	Albertus MT Antique Olive Apple Chancery Arial MT Avant Garde Bodoni Bookman Chicago Clarendon Cooper Black Copperplate Coronet Courier Eurostile Garamond Geneva Gill Sans Goudy Helvetica Hoefler Text Intl CG Times Intl Courier	Intl Univers Joanna MT Letter Gothic Lubalin Graph Marigold MonaLisa Recut Monaco New CenturySbk New York Optima Oxford Palatino StempelGaramnd Taffy Times TimesNewRoman Univers Zapf Chancery
Font Size	Sets the default font size for HTML documents.	1 pt–255 pt (12 pt*)	You can select point sizes from 1 to 255 points in 1 point increments.
Scale	Scales the default font for HTML documents.	1%–400% (100%*)	You can select scale sizes from 1 to 100% in 1% increments.

Using printer menus

Menu selection	Purpose	Values	
Orientation	Sets the page orientation for HTML documents.	Portrait* Landscape	Portrait* —Prints text and graphics parallel to the short edge of the paper. Landscape —Prints text and graphics parallel to the long edge of the paper.
Margin Size	Sets the page margin for HTML documents.	8 mm–255 mm (19 mm*)	You can set the margin from 8 to 255 mm in 1 mm increments.
Backgrounds	Specifies whether to print backgrounds in HTML documents.	Print* Do not print	Print* —Prints HTML backgrounds. Do Not Print —Does not print HTML backgrounds.

Image Menu

This menu selection is used to change the size or orientation of a printed image, or to invert a printed image.

Menu selection	Purpose	Values	
Auto Fit	Selects optimal paper size, scaling, and orientation.	On* Off	Note: When set to On, this setting overrides the scaling setting and can override the orientation setting for some images.
Invert	Inverts bi-tonal monochrome images.	On Off*	Note: Does not apply to GIF or JPEG.
Scaling	Scales the image to fit media size.	Anchor Top Left Best Fit* Anchor Center Fit Height / Width Fit Height Fit Width	Note: When the Auto Fit setting is set to On, Scaling is automatically set to Best Fit.
Orientation	Sets the image orientation.	Portrait* Landscape Rev Portrait Rev Landscape	Portrait* —Prints text and graphics parallel to the short edge of the paper. Landscape —Prints text and graphics parallel to the long edge of the paper.

Using printer menus

Security

This menu selection is used to set security levels on individual print jobs requiring a PIN and securing an installed hard disk.

Menu selection	Purpose	Values	
Max Invalid PIN	Limits the number of times an invalid pin number can be entered.	Off* 2 3 4 5 6 7 8 9 10	<ul style="list-style-type: none">• The printer counts the number of times in a row an invalid pin for a user name is entered.• Once the limit is reached, the jobs for that user name are deleted.
Job Expiration	Limits the amount of time a confidential job stays in the printer before it is deleted.	Off* 1 hour 4 hours 24 hours 1 week	

Using printer menus

Network/Ports

TCP/IP

This menu section is use to view and change the Transmission Control Protocol/Internet Protocol settings.

Note: This menu is not displayed for non-network models.

Menu selection	Purpose	Values	
TCP/IP	Sets the network option to TCP/IP (Transmission Control Protocol/Internet Protocol) This menu is not displayed for non-network models.	View Hostname	View only
		Address	4 field IP address
		Netmask	
		Gateway	
		Enable DHCP	On* Off
		Enable RARP	
		Enable BOOTP	
		AutoIP	
		Enable FTP/TFTP	
		HTTP Server Enabled	
		WINS Server Address	4 field IP address
		DNS Server Address	

IPv6

Use this menu setting to view or change Internet Protocol Version 6 settings.

Note: This menu is not displayed for non-network models.

Menu selection	Purpose	Values	
IPv6	Sets the network to IPv6 (Internet Protocol Version 6).	Enable IPv6	Yes* No
		Auto Configuration	On* Off
		View Hostname	View only
		View Address	
		View Router Address	
		Enable DHCPv6	Yes* No

Using printer menus

Wireless

Use this menu setting to view or change wireless settings.

Menu selection	Purpose	Values	
Wireless	Sets the wireless settings. Note: Wireless is only displayed when an optional wireless internal print server is installed in the device.	Mode	Infrastructure Ad hoc
		Network Name	(list of available network names)

Standard Network and Network <x>

Use this menu selection to change printer settings affecting jobs sent to the printer through a network port (either Standard Network or Network <x>).

Menu selection	Purpose	Values	
PCL SmartSwitch	Configures the printer so it automatically switches to PCL emulation when a print job received through the network port requires it, regardless of the default printer language.	On*	Printer examines data on the network interface and selects PCL emulation if the data indicates that is the required printer language.
		Off	Printer does not examine the incoming data. The printer uses PostScript emulation to process the job if PS SmartSwitch is On, or uses the default printer language specified in the "Setup" Menu if PS SmartSwitch is Off.
PS SmartSwitch	Configures the printer so it automatically switches to PostScript emulation when a print job received through the network port requires it, regardless of the default printer language.	On*	Printer examines data on the network interface connection and selects PostScript emulation if the data indicates that is the required printer language.
		Off	Printer does not examine the incoming data. The printer uses PCL emulation to process the job if PCL SmartSwitch is On, or uses the default printer language specified in the "Setup" Menu if PCL SmartSwitch is Off.
NPA Mode	Specifies whether the printer performs the special processing required for bidirectional communication, following the conventions defined in the Network Printing Alliance (NPA) Protocol. Note: Changing this menu item automatically resets the printer.	Off	Printer does not perform NPA processing.
		Auto*	Printer examines the data to determine the format and then processes it appropriately.

Using printer menus

Menu selection	Purpose	Values	
Network Buffer	Configures the size of the network input buffer. Note: Changing the Network Buffer menu item automatically resets the printer.	Auto*	Printer automatically calculates the Network Buffer size (recommended setting).
		3K to maximum size allowed	User specifies the Network Buffer size. The maximum size 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 maximize the range for the Network Buffer size, disable or reduce the size of the parallel, serial, and USB buffers.
Job Buffering	Temporarily stores jobs on the printer hard disk before printing.	Off*	Does not buffer jobs to the hard disk.
		On	Buffers print jobs to the hard disk.
		Auto	Buffers print jobs only if the printer is busy processing data from another input port.
Mac Binary PS	Configures the printer to process Macintosh binary PostScript print jobs.	On	Printer processes raw binary PostScript print jobs from computers using the Macintosh operating system. Note: This setting often causes Windows print jobs to fail.
		Off	Printer filters PostScript print jobs using standard protocol.
		Auto*	Printer processes print jobs from computers using either Windows or Macintosh operating systems.

Standard USB and USB <x>

Use this menu selection to change printer settings affecting a Universal Serial Bus (USB) port (USB <x>).

Menu selection	Purpose	Values	
PCL SmartSwitch	Configures the printer so it automatically switches to PCL emulation when a print job received through the USB port requires it, regardless of the default printer language.	On*	Printer examines the data on the USB port and selects PCL emulation if the data indicates that is the required printer language.
		Off	Printer does not examine the incoming data. The printer uses PostScript emulation to process the job if PS SmartSwitch is On, or it uses the default printer language specified in the Setup Menu if PS SmartSwitch is Off.

Using printer menus

Menu selection	Purpose	Values	
PS SmartSwitch	Configures the printer so it automatically switches to PostScript emulation when a print job received through the USB port requires it, regardless of the default printer language.	On*	Printer examines data on the USB interface and selects PostScript emulation if the data indicates that is the required printer language.
		Off	Printer does not examine the incoming data. The printer uses PCL emulation to process the job if PCL SmartSwitch is On, or it uses the default printer language specified in the Setup Menu if PCL SmartSwitch is Off.
NPA Mode	Specifies whether the printer performs the special processing required for bidirectional communication, following the conventions defined in the Network Printing Alliance (NPA) Protocol. Note: Changing this menu item automatically resets the printer.	On	Printer performs NPA processing. If data is not in NPA format, it is rejected as bad data.
		Off	Printer does not perform NPA processing.
		Auto*	Printer examines the data to determine the format and then processes it appropriately.
USB Buffer	Configures the size of the USB input buffer. Note: Changing the USB Buffer menu item automatically resets the printer.	Disabled	Job buffering is disabled. Any jobs already buffered on the disk are printed before normal processing of incoming jobs resumes.
		Auto*	Printer automatically calculates the USB Buffer size (recommended setting).
		3K to maximum size allowed	User specifies the USB Buffer size. The maximum size 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 maximize the range for the USB Buffer size, disable or reduce the size of the parallel, serial, and network buffers.
Job Buffering	Temporarily stores jobs on the printer hard disk before printing.	Off*	Does not buffer print jobs to the hard disk.
		On	Buffers print jobs to the hard disk.
		Auto	Buffers print jobs only if the printer is busy processing data from another input port.
Mac Binary PS	Configures the printer to process Macintosh binary PostScript print jobs.	Off	Printer processes raw binary PostScript print jobs from computers using the Macintosh operating system. Note: This setting often causes Windows print jobs to fail.
		On	Printer filters PostScript print jobs using standard protocol.
		Auto*	Printer processes print jobs from computers using either Windows or Macintosh operating systems.

Using printer menus

Menu selection	Purpose	Values	
ENA Address	Sets the USB port ENA Address.	4 field IP address	Shown only if an ENA is attached through the USB port.
ENA Netmask	Sets the USB port ENA Netmask.		
ENA Gateway	Sets the USB port ENA Gateway.		

Parallel <x>

Use this menu selection to change printer settings affecting jobs sent to the printer through a parallel port (Parallel <x>).

Menu selection	Purpose	Values	
PCL SmartSwitch	Configures the printer so it automatically switches to PCL emulation when a print job received through the parallel port requires it, regardless of the default printer language.	On*	Printer examines data on the parallel interface and selects PCL emulation if the data indicates that is the required printer language.
		Off	Printer does not examine the incoming data. The printer uses PostScript emulation to process the job if PS SmartSwitch is On, or it uses the default printer language specified in the Setup Menu if PS SmartSwitch is Off.
PS SmartSwitch	Configures the printer so it automatically switches to PostScript emulation when a print job received through the parallel port requires it, regardless of the default printer language.	On*	Printer examines data on the parallel interface and selects PostScript emulation if the data indicates that is the required printer language.
		Off	Printer does not examine the incoming data. The printer uses PCL emulation to process the job if PCL SmartSwitch is On, or it uses the default printer language specified in the Setup Menu if PCL SmartSwitch is Off.
NPA Mode	Specifies whether the printer performs the special processing required for bidirectional communication, following the conventions defined in the Network Printing Alliance (NPA) Protocol. Note: Changing this menu item automatically resets the printer.	On	Printer performs NPA processing. If data is not in NPA format, it is rejected as bad data.
		Off	Printer does not perform NPA processing.
		Auto*	Printer examines data, determines the format, and then processes it appropriately.

Using printer menus

Menu selection	Purpose	Values	
Parallel Buffer	Configures the size of the parallel input buffer. Note: Changing this menu item automatically resets the printer.	Disabled	Disables job buffering. Any jobs already buffered on the disk are printed before normal processing of incoming jobs resumes.
		Auto*	Printer automatically calculates the Parallel Buffer size (recommended setting).
		3K to maximum size allowed	User specifies the Parallel Buffer size. The maximum size 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 maximize the range for the Parallel Buffer size, disable or reduce the size of the serial and USB buffers.
Job Buffering	Temporarily stores jobs on the printer hard disk before printing.	Off*	Does not buffer print jobs to the hard disk.
		On	Buffers print jobs to the hard disk.
		Auto	Buffers print jobs only if the printer is busy processing data from another input port.
Advanced Status	Enables bidirectional communication through the parallel port.	Off	Disables parallel port negotiation.
		On*	Enables bidirectional communication through the parallel interface.
Protocol	Specifies the parallel interface protocol.	Standard	May resolve some parallel interface problems.
		Fastbytes*	Provides compatibility with most existing parallel interface implementations (recommended setting).
Honor Init	Determines whether the printer honors hardware initialization requests from the computer. The computer requests initialization by activating the INIT signal on the parallel interface. Many personal computers activate the INIT signal each time the computer is turned on and off.	Off*	Printer does not honor hardware initialization requests from the computer.
		On	Printer honors hardware initialization requests from the computer.
Parallel Mode 2	Determines whether the parallel port data is sampled on the leading or trailing edge of strobe.	On*	Samples parallel port data on the leading edge of strobe.
		Off	Samples parallel port data on the trailing edge of strobe.

Using printer menus

Menu selection	Purpose	Values	
Mac Binary PS	Configures the printer to process Macintosh binary PostScript print jobs.	On	Printer processes raw binary PostScript print jobs from computers using the Macintosh operating system. Note: This setting often causes Windows print jobs to fail.
		Off	Printer filters PostScript print jobs using standard protocol.
		Auto*	Printer processes print jobs from computers using either Windows or Macintosh operating systems.
ENA Address	Configure ENA Settings.	(four field IP address, factory default 0.0.0.0)	Shown only if an ENA is attached over the Parallel port.
ENA Netmask			
ENA Gateway			

Serial <x>

Use this menu selection to change printer settings affecting jobs sent to the printer through an optional serial port.

Menu selection	Purpose	Values	
PCL SmartSwitch	Configures the printer so it automatically switches to PCL emulation when a print job received through the serial port requires it, regardless of the default printer language.	On* Off	On* —The printer examines the data at the serial interface and selects PCL emulation if the data indicates that is the required printer language. Off —The printer does not examine the incoming data. The printer uses PostScript emulation to process the job if PS SmartSwitch is On, or it uses the default printer language specified in the Setup Menu if PS SmartSwitch is Off.
PS SmartSwitch	Configures the printer so it automatically switches to PostScript emulation when a print job received through the serial port requires it, regardless of the default printer language.	On* Off	On* —The printer examines the data at the serial interface and selects PostScript emulation if the data indicates that is the required printer language. Off —The printer does not examine the incoming data. The printer uses PCL emulation to process the job if PCL SmartSwitch is On, or it uses the default printer language specified in the Setup Menu if PCL SmartSwitch is Off.
NPA Mode	Specifies whether the printer performs the special processing required for bidirectional communication, following the conventions defined in the Network Printing Alliance (NPA) Protocol. Note: Changing this menu item automatically resets the printer.	On	Printer performs NPA processing. If data is not in NPA format, it is rejected as bad data.
		Off	Printer does not perform NPA processing.
		Auto*	Printer examines the data to determine the format and then processes it appropriately.

Using printer menus

Menu selection	Purpose	Values	
Serial Buffer	Configures the size of the serial input buffer. Note: Changing the Serial Buffer menu item automatically resets the printer.	Disabled	Disables job buffering. Any jobs already buffered on the disk are printed before normal processing of incoming jobs resumes.
		Auto*	Printer automatically calculates the Serial Buffer size (recommended setting).
		3K to maximum size allowed	User specifies the Serial Buffer size. The maximum size 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 maximize the range for the Serial Buffer size, disable or reduce the size of the parallel and USB buffers.
Job Buffering	Temporarily stores jobs on the printer hard disk before printing.	Off*	Does not buffer print jobs to the hard disk.
		On	Buffers print jobs to the hard disk.
		Auto	Buffers print jobs only if the printer is busy processing data from another input port.
Serial Protocol	Selects the hardware and software handshaking values for the serial interface.	DTR*	Hardware handshaking.
		DTR/DSR	Hardware handshaking.
		XON/XOFF	Software handshaking.
		XON/XOFF/DTR	Combined hardware and software handshaking.
		XONXOFF/DTRDSR	Combined hardware and software handshaking.
Robust XON	Determines whether the printer communicates availability to the computer. This menu item only applies to the serial port if Serial Protocol is set to XON/XOFF.	Off*	Printer waits to receive data from the computer.
		On	Printer sends a continuous stream of XONs to the host computer to indicate that the serial port is ready to receive more data.

Using printer menus

Menu selection	Purpose	Values	
Baud	<p>Specifies the rate at which data can be received through the serial port.</p> <p>Note: 138200, 172800, 230400, and 345600 baud rates are displayed in the STANDARD SERIAL menu. These values are not displayed in the SERIAL OPTION 1, SERIAL OPTION 2, or SERIAL OPTION 3 menus.</p>	1200	
		2400	
		4800	
		9600*	
		19200	
		38400	
		57600	
		115200	
		138200	
		172800	
		230400	
		345600	
Data Bits	<p>Specifies the number of data bits that are sent in each transmission frame.</p>	7	
		8*	
Parity	<p>Sets the parity for serial input and output data frames.</p>	Even	
		Odd	
		None*	
		Ignore	
Honor DSR	<p>Determines whether the printer uses the Data Set Ready (DSR) signal. DSR is one of the handshaking signals for most serial interface cables.</p> <p>The serial interface uses DSR to distinguish data sent by the computer from data created by electrical noise in the serial cable. This electrical noise can cause stray characters to print. Select On to prevent stray characters from printing.</p>	Off*	All data received by the serial port is treated as valid data.
		On	Only data received while the DSR signal is high is treated as valid.

NetWare

Use this menu selection to view or change the printer NetWare settings.

Menu selection	Purpose	Values
View Login Name	Displays the assigned NetWare login name.	Selecting View Login Name displays the NetWare name on the operator panel.
View Print Mode	Displays the assigned NetWare print mode.	Selecting View Print Mode displays the NetWare print mode on the operator panel.
View Network Number	Displays the assigned NetWare number.	Selecting View Network Number displays the NetWare network number on the operator panel.

Using printer menus

Menu selection	Purpose	Values	
Activate	Activates or deactivates the NetWare feature.	On Off	On —Activates the NetWare feature. Off —Deactivates the NetWare feature.
Ethernet 802.2	Sets the Ethernet 802.2 value On or Off.	On* Off	
Ethernet 802.3	Sets the Ethernet 802.3 value On or Off.	On* Off	
Ethernet Type II	Sets the Ethernet Type II value On or Off.	On* Off	
Ethernet SNAP	Sets the Ethernet SNAP value On or Off.	On* Off	
Packet Burst	Sets the Packet Burst value On or Off.	On Off *	
NSQ/GSQ Mode	Sets the NSQ/GSQ Mode value On or Off.	On Off *	

AppleTalk

Use this menu selection to view or change the printer AppleTalk settings.

Menu selection	Purpose	Values	
View Name	Displays the assigned AppleTalk name.	Selecting View Name displays the AppleTalk name on the operator panel.	
View Address	Displays the assigned AppleTalk address.	Selecting View Address displays the AppleTalk address on the operator panel.	
Activate	Activates or deactivates the AppleTalk feature.	On* Off	On —Activates the AppleTalk feature. Off —Deactivates the AppleTalk feature.
Set Zone *	Provides a list of zones from the network.	Default will be the default zone for the network. If no default zone exists on the network, the * will be the default.	

LexLink

Use this menu selection to view your LexLink name or change your LexLink activation.

Menu selection	Purpose	Values	
View Nickname	Displays the assigned LexLink nickname.	Selecting View Nickname displays the LexLink nickname on the operator panel.	
Activate	Activates or deactivates the LexLink feature.	On* Off	On —Activates the LexLink feature. Off —Deactivates the LexLink feature.

Using printer menus

USB Direct

Use this menu selection to enable or disable support for the front USB port.

Menu selection	Purpose	Values
USB Direct		Enable* Disable
		If set to Disabled , the Port disabled transition screen will appear.

Help

This menu selection is used to print some or all of the resident Help menu pages. These pages contain information about printer connectivity, print quality, paper tips, and supplies.

Note: If the operator panel is set to a language other than English, French, German, or Spanish, the document prints in English.

The Help menu pages can be printed in the following languages from the *Software and Documentation* CD.

English	Danish	Finnish
French	Norwegian	Russian
German	Dutch	Polish
Italian	Swedish	Korean
Spanish	Portuguese	Simplified Chinese
Traditional Chinese		

Menu selection	Purpose	Values
Print All	Prints all "Help" menu topics.	After selecting this item, the Help menu pages will print, and the printer will return to Ready .
Color Quality	Prints the Color Quality topic.	After selecting this item, the Help menu topic will print, and the printer will return to Ready .
Print Quality	Prints the Print Quality topic.	
Printing Guide	Prints the Printing Guide topic.	
Supplies Guide	Prints the Supplies Guide topic.	
Media Guide	Prints the Media Guide topic.	
Print Defects	Prints the Print Defects topic.	
Menu Map	Prints the Menu Map topic.	
Information Guide	Prints the Information Guide topic.	
Connection Guide	Prints the Connection Guide topic.	
Moving Guide	Prints the Moving Guide help menu topic.	

2

Understanding printer messages

The printer operator panel displays messages describing the current state of the printer and indicates possible printer problems you must resolve. This topic provides a list of all printer messages, explains what they mean, and tells you how to clear the messages.

The following table lists the messages in alphanumerical order. You can also locate a message using the index.

Message	Action
Activating Demo Mode	The printer is entering Demo Mode .
Activating Menu Changes	Wait for the message to clear.
Activating PPDS Mode	The PPDS emulator has been activated.
Bin <x> Full	<ul style="list-style-type: none"> The specified bin is full. Remove the stack of paper from the bin to clear the message. If you assigned the bin a name, the bin name is displayed instead of the bin number.
Busy	Wait for the message to clear, or cancel the print job.
Calibrating	Wait for the message to clear.
Cancel not available	Wait for the message to clear.
Cancelling	Wait for the message to clear.
<color> Cartridge Low	Specified toner cartridge is low. <Color> refers to either Cyan, Magenta, Yellow, or Black .
Change <src> <Custom Type Name>	<ul style="list-style-type: none"> Press <input checked="" type="radio"/> if you have changed the media. Select Use current to print on media currently in the printer. Cancel the current job.
Change <src> <Custom String>	
Change <src> <size>	
Change <src> <type> <size>	
Check <device> Connection	<p>The specified device is either not fully connected to the printer or is experiencing a hardware failure.</p> <ul style="list-style-type: none"> Reestablish communication by removing the specified device and reattaching it to the printer. Press <input checked="" type="radio"/> to clear the message and continue printing. In the case of a hardware failure, turn the printer off and back on. If the error recurs, turn the printer off, remove the specified device, and call for service.
Clearing job accounting statistics	Wait for the message to clear.
Close door	Close the upper and lower doors to clear the message.
Close <tray> door	Close the 2000-sheet drawer door to clear the message.
Copies	Enter the desired number of copies.
Deactivating Demo Mode	The printer is leaving Demo Mode .

Understanding printer messages

Message	Action
Deactivating PPDS Mode	The PPDS emulator has been deactivated.
Defragmenting Flash DO NOT POWER OFF	Warning: Do not turn the printer off while this message is displayed. Wait for the message to clear.
Delete	<ul style="list-style-type: none"> • Press  to delete the specified job. • Press  to cancel the operation.
Delete all	<ul style="list-style-type: none"> • Press  to delete all confidential jobs. • Press  to cancel the operation.
Delete all confidential jobs	<ul style="list-style-type: none"> • Press  to delete all held jobs. • Press  to cancel the operation.
Deleting	Wait for the message to clear.
Disabling DLEs	Wait for the message to clear.
Disabling Menus	Wait for the message to clear. Note: While the menus are disabled, you cannot change the printer settings from the operator panel.
Disk corrupted Reformat?	The printer has attempted a disk recovery process, and cannot repair the disk. <ul style="list-style-type: none"> • Press  to reformat the disk and delete all files currently stored on the disk. • Select Do not reformat to clear the message without reformatting the disk.
Disk Recovery x/5 yyy%	Warning: Do not turn the printer off while this message is displayed. The printer is attempting to recover the hard disk. Disk recovery takes place in five phases; the operator panel displays the percent complete of the current phase. Wait for the message to clear.
Enabling Menus	Wait for the message to clear.
Encrypting Disk yyy% DO NOT POWER OFF	Warning: Do not turn the printer off while this message is displayed. The printer is encrypting the hard disk. The percent complete is displayed. Wait for the message to clear.
Engine Warming	Wait for the message to clear.
Enter PIN	Enter the PIN you identified in the driver when you sent the confidential job to the printer.
Enter PIN to lock	Enter the correct PIN to lock the operator panel and prevent menu changes.
Error printing from USB drive	Wait for the message to clear.
Error reading USB drive	Wait for the message to clear.
Flushing buffer	Wait for the message to clear.
Formatting Disk yyy% DO NOT POWER OFF	Warning: Do not turn the printer off while this message is displayed. The printer is formatting the hard disk. The percent complete is displayed. Wait for the message to clear.

Understanding printer messages

Message	Action
Formatting Flash DO NOT POWER OFF	Warning: Do not turn the printer off while this message is displayed. Wait for the message to clear.
Fuser Life Warning	<ul style="list-style-type: none"> Press  to clear the message and print without installing a new fuser. Install a new fuser.
Insert Tray <x>	Insert the specified tray into the printer.
Install bin <x>	Bin <x> is no longer present. The Message is cleared when the bin is installed or the job is cancelled.
Install duplex	Duplex is no longer present. The Message is cleared when the duplex is installed or the job is cancelled.
Invalid Engine Code	Download valid engine code to the printer. Note: You can download engine code while this message is displayed.
Invalid file format	The selected file on the USB device is not valid.
Invalid Network Code	Download valid code to the internal print server. Note: You can download network code while this message is displayed.
Invalid PIN	Enter the correct PIN.
ITU Life Warning	<ul style="list-style-type: none"> Image transfer unit is near end of life. Press  to clear the message and print without installing a new image transfer unit. Replace the image transfer unit and, if necessary, reset the printer internal counter for the image transfer unit.
Load manual feeder with <Custom Type>	<ul style="list-style-type: none"> Load the specified paper in the manual feed tray or multipurpose feeder. Press  to ignore the manual feed request and print on paper already installed in one of the input sources. <p>If the printer finds a tray that has paper of the correct type and size, it feeds paper from that tray. If the printer cannot find a tray with the correct paper type and size, it prints on whatever paper is installed in the default input source.</p> <ul style="list-style-type: none"> Cancel the current job.
Load manual feeder with <Custom String>	
Load manual feeder with <size>	
Load manual feeder with <size> <type>	
Load <src> with <Custom Type Name>	
Load <src> with <Custom String>	<ul style="list-style-type: none"> Load the input source with the correct type and size media. Cancel the current job.
Load <src> <size>	
Load <src> <type> <size>	
Load <src> <type> <size>	
Menus are Disabled	The printer menus are disabled. You cannot change the printer settings from the operator panel. Note: You can still cancel a job, print a confidential job, or print a held job. Contact your system support person.
Network	A network interface is the active communication link.
Network <x>	
Network <x>, <y>	A network interface is the active communication link, where <x> represents the active communication link, and <y> represents the channel.
No held jobs	Wait for the message to clear.

Understanding printer messages

Message	Action
No jobs found Retry?	Note: The four-digit personal identification number (PIN) you entered is not associated with any confidential print job. <ul style="list-style-type: none"> • Select Retry to enter another PIN. • Select Cancel to exit the Enter PIN screen.
No jobs to cancel	Wait for the message to clear.
No recognized file types	Wait for the message to clear. Note: The only supported file type is PDF.
Not ready	The printer is offline. Press  to return to normal operation.
Overflow Bin Full	<ul style="list-style-type: none"> • The mailbox's designated overflow bin is full. • Remove the stack of paper from the bin to clear the message.
Parallel <x>	A parallel interface is the active communication link.
Port disabled Remove USB drive	Wait for the message to clear.
Power Saver	<ul style="list-style-type: none"> • Send a job to print. • Press  to warm the printer to normal operating temperature and display the Ready message.
Printer locked, enter PIN to unlock	The operator panel has been locked. Enter the correct PIN number.
Printing	Wait for the message to clear.
Printing from USB drive DO NOT REMOVE	Warning: Do not turn the printer off or remove the USB drive while this message is displayed. Wait for the message to clear.
Printer busy Continue Quit	Press  to read the information from the USB drive. Select Quit to cancel the information retrieval process.
Programming System Code DO NOT POWER OFF	Warning: Do not turn the printer off while this message is displayed. Wait for the message to clear and the printer to reset.
Programming Flash DO NOT POWER OFF	Warning: Do not turn the printer off while this message is displayed. Wait for the message to clear.
Programming Disk DO NOT POWER OFF	Warning: Do not turn the printer off while this message is displayed. Wait for the message to clear.
Reading USB drive DO NOT REMOVE	Wait for the message to clear.
Ready	Send a job to print.
Reattach <device>	The specified device is either not fully connected to the printer or is experiencing a hardware failure. <ul style="list-style-type: none"> • Reestablish communication by removing the specified device and reattaching it to the printer. • Press  to clear the message and continue printing without using the device. • In the case of a hardware failure, turn the printer off and back on. If the error recurs, turn the printer off, remove the specified device, and call for service.
Remote Management Active DO NOT POWER OFF	The printer settings are being configured, and the printer was taken offline to ensure it is not currently printing and processing jobs. Wait for the message to clear.

Understanding printer messages

Message	Action
Remove paper from standard output bin	Remove the stack of paper from the standard output bin.
Remove paper from bin <x>	Remove the paper from the specified output bin.
Remove paper from all bins	Remove the paper from all output bins.
Remove paper from <linked set bin name>	The printer automatically senses media removal and resumes printing. If removing the media does not clear the message, press  .
Replace ITU	<ul style="list-style-type: none"> Image transfer unit is at end of life. Replace the image transfer unit.
Replace Fuser	Replace the fuser. If the fuser is not replaced when the warning is cleared, the printer will post the warning again.
Resetting Active Bin	Wait for the message to clear.
Resetting Fuser Count	Wait for the message to clear.
Resetting the Printer	Wait for the message to clear.
Restore Held Jobs	<ul style="list-style-type: none"> Press  to restore all Print and Hold jobs on the hard disk. Select Do not restore to delete Print and Hold jobs.
Restoring Factory Defaults	<p>Wait for the message to clear.</p> <p>Note: When factory default settings are restored:</p> <ul style="list-style-type: none"> All downloaded resources (fonts, macros, symbol sets) in the printer memory are deleted. All menu settings return to the factory default setting <i>except</i>: <ul style="list-style-type: none"> The Display Language setting in the Setup Menu All settings in the Parallel Menu, Serial Menu, Network Menu, Infrared Menu, LocalTalk Menu, USB Menu, and Fax Menu.
Restoring held job(s) x/y	<ul style="list-style-type: none"> Wait for the message to clear. Select Quit restoring to delete unrestored Print and Hold jobs. <p>Note: x represents the number of the job being restored, and y represents the total number of jobs to be restored.</p>
Serial <x>	A serial interface is the active communication link.
Setup Required check <area name>	Packing material was detected in one or more areas. Remove any remaining packing material.
Some held jobs were not restored	<ul style="list-style-type: none"> Press  to clear the message and continue printing. The printer frees memory by deleting the oldest held job and continues deleting held jobs until there is enough printer memory to process the job. Cancel the current job.
Standard Bin Full	Remove the stack of paper from the bin to clear the message.
Submitting selection	Wait for the message to clear.
Tray <x> Empty	Load paper in the tray to clear the message.
Tray <x> Low	Add paper to the tray to clear the message.
Tray <x> Missing	Insert the tray into the printer.
Unlocking Printer	PIN entry is successful. Wait for the message to clear.
USB	The printer is processing data through the specified USB port.
USB <x>	

Understanding printer messages

Message	Action
USB device unsupported	Remove the USB device to clear the message.
USB drive removed	<ul style="list-style-type: none"> • Wait for the message to clear. • Insert the USB drive.
USB hub unsupported	Remove the USB device to clear the message.
View supplies	Displays the current level of all printer supplies.
Waiting	<p>The printer has received a page of data to print, but is waiting for an End of Job command, a Form Feed command, or additional data.</p> <ul style="list-style-type: none"> • Press  to print the contents of the buffer. • Cancel the current job.
Waste Toner Life Warning	<ul style="list-style-type: none"> • Waste toner bottle is nearly full. • Replace the waste toner bottle.
1565 Emul Error Load Emul Option	<p>The printer automatically clears the message in 30 seconds, and then disables the download emulator on the firmware card.</p> <p>Download the correct download emulator version from the Lexmark Web site.</p>
30 <color> toner cartridge missing	Install the specified toner cartridge, and close the front cover.
31 Defective <color> cartridge	Replace the specified toner cartridge, and close the front cover.
32 Replace unsupported <color> cartridge	Remove the toner cartridge, and install a supported one.
34 Incorrect media	<ul style="list-style-type: none"> • Load the appropriate media in the selected source. • Press  to clear the message and print the job using a different paper source.
34 Short Paper	<ul style="list-style-type: none"> • Press  to clear the message and continue printing. <p>The printer does not automatically reprint the page that prompted the message.</p> <ul style="list-style-type: none"> • Check tray length and width guides to ensure paper is properly fitted in the tray. • Make sure the print job is requesting the correct size of paper. • Adjust the Paper Size setting for the size paper you are using. <p>If MP Feeder Size is set to Universal, make sure the paper is large enough for the formatted data.</p> <ul style="list-style-type: none"> • Cancel the current job.
35 Insufficient memory to support Resource Save feature	<ul style="list-style-type: none"> • Press  to disable Resource Save and continue printing. • To enable Resource Save after you get this message: <ul style="list-style-type: none"> – Make sure the link buffers are set to Auto, then exit the menus to activate the link buffer changes. – When Ready is displayed, enable Resource Save. • Install additional memory.
36 Printer service required	Press  to clear the message and continue printing.
37 Insufficient memory to collate job	<ul style="list-style-type: none"> • Press  to print the portion of the job already stored and begin collating the rest of the job. • Cancel the current job.
37 Insufficient memory for Flash Memory Defragment operation	<ul style="list-style-type: none"> • Press  to stop the defragment operation and continue printing. • Delete fonts, macros, and other data in printer memory. • Install additional printer memory.
37 Insufficient memory, some held jobs were deleted	<p>The printer was unable to restore some or all of the confidential or held jobs on the hard disk.</p> <p>Press  to clear the message.</p>

Understanding printer messages

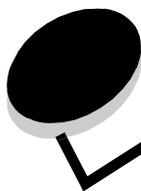
Message	Action
38 Memory Full	<ul style="list-style-type: none"> • Press  to clear the message and continue printing. The job may not print correctly. • Cancel the current job. • Install additional printer memory.
39 Page is too complex to print	<ul style="list-style-type: none"> • Press  to clear the message and continue printing. The job may not print correctly. • Cancel the current job. • Install additional printer memory.
40 [color] invalid refill, change cartridge	Replace the specified toner cartridge, and close the front cover.
50 PPDS font error	<ul style="list-style-type: none"> • Press  to clear the message and continue printing. The job may not print correctly. • Cancel the current job.
51 Defective flash detected	<p>Press  to clear the message and continue printing.</p> <p>You must install different flash memory before you can download any resources to flash.</p>
52 Not enough free space in flash memory for resources	<ul style="list-style-type: none"> • Press  to clear the message and continue printing. Downloaded fonts and macros not previously stored in flash memory are deleted. • Delete fonts, macros, and other data stored on the flash memory. • Install a larger capacity flash memory card.
53 Unformatted flash detected	<p>Press  to clear the message and continue printing.</p> <p>You must format the flash memory before you can store any resources on it. If the error message remains, the flash memory may be defective and require replacing.</p>
54 Serial option <x> error	<ul style="list-style-type: none"> • Make sure the serial link is set up correctly, and you are using the appropriate cable. • Make sure the serial interface parameters (protocol, baud, parity, and data bits) are set correctly on the printer and host computer. • Press  to clear the message and continue printing. The job may not print correctly. • Turn the printer off and then on to reset the printer.
54 Network <x> software error	<ul style="list-style-type: none"> • Press  to clear the message and continue printing. The job may not print correctly. • Program new firmware for the network interface. • Reset the printer.
54 Standard network software error	
55 Unsupported option in slot <x>	<ol style="list-style-type: none"> 1 Turn the printer off. 2 Remove the unsupported option. 3 Turn the printer on.
56 Parallel port <x> disabled	<ul style="list-style-type: none"> • Press  to clear the message. The printer discards any data received through the parallel port. • Make sure the Parallel Buffer menu item is not set to Disabled.
56 Serial port <x> disabled	<ul style="list-style-type: none"> • Press  to clear the message. The printer discards any data received through the serial port. • Make sure the Serial Buffer menu item is not set to Disabled.
56 Standard USB port disabled	<ul style="list-style-type: none"> • Press  to clear the message. The printer discards any data received through the USB port. • Make sure the USB Buffer menu item is not set to Disabled.

Understanding printer messages

Message	Action
56 USB port <x> disabled	<ul style="list-style-type: none"> • Press  to clear the message. The printer discards any data received through the USB port. • Make sure the USB Buffer menu item is not set to Disabled.
58 Too many bins attached	<ol style="list-style-type: none"> 1 Turn off and unplug the printer. 2 Remove the additional bins. 3 Plug in the printer, and turn it on.
58 Too many disks installed	<ol style="list-style-type: none"> 1 Turn off and unplug the printer. 2 Remove the excess disks. 3 Plug in the printer, and turn it on.
58 Too many flash options installed	<ol style="list-style-type: none"> 1 Turn off and unplug the printer. 2 Remove the excess flash memory. 3 Plug in the printer, and turn it on.
58 Too many trays attached	<ol style="list-style-type: none"> 1 Turn off and unplug the printer. 2 Remove the additional trays. 3 Plug in the printer, and turn it on.
59 Incompatible duplex	<ol style="list-style-type: none"> 1 Turn off and unplug the printer. 2 Remove the incompatible duplex unit. 3 Plug in the printer, and turn it on.
59 Incompatible output bin <x>	<ol style="list-style-type: none"> 1 Turn off and unplug the printer. 2 Remove the specified incompatible output bin. 3 Plug in the printer, and turn it on.
59 Incompatible tray <x>	<ol style="list-style-type: none"> 1 Turn off and unplug the printer. 2 Remove the specified incompatible tray. 3 Plug in the printer, and turn it on.
61 Remove defective disk	<ul style="list-style-type: none"> • Press  to clear the message and continue printing. • Install a different hard disk before you perform any operations that require a hard disk.
62 Disk full	<ul style="list-style-type: none"> • Press  to clear the message and continue processing. Any information not previously stored on the hard disk is deleted. • Delete fonts, macros, and other data stored on the hard disk. • Install a larger hard disk.
63 Unformatted disk	<ul style="list-style-type: none"> • Press  to clear the message and continue printing. • Format the disk. If the error message remains, the hard disk may be defective and require replacing.
82.yy Waste toner box nearly full	Press  to clear the message and continue printing.
82.yy Replace Waste toner box	<ul style="list-style-type: none"> • Replace the waste toner box. • Press  to clear the message and continue printing.
82.yy Waste toner box missing	Install the waste toner box and press  to clear the message and continue printing.
83.yy ITU missing	Install the image transfer unit.
83.yy ITU life warning	<ul style="list-style-type: none"> • Press  to clear the message and continue printing. • If print quality is unacceptable, replace the image transfer unit.
83.yy Replace ITU	<ul style="list-style-type: none"> • Press  to clear the message and continue printing. • If print quality is unacceptable, replace the image transfer unit.

Understanding printer messages

Message	Action
87.yy Fuser life warning	<ul style="list-style-type: none"> • Press  to clear the message and continue printing. • If print quality is unacceptable, replace the fuser.
87.yy Fuser missing	Install the fuser unit.
87.yy Replace Fuser	<ul style="list-style-type: none"> • Press  to clear the message and continue printing. • If print quality is unacceptable, replace the fuser.
88.yy <color> cartridge low	<ul style="list-style-type: none"> • Replace the specified toner cartridge. • Press  to clear the message and continue printing.
200.yy Paper jam	<ol style="list-style-type: none"> 1 Clear the paper path. 2 After clearing the paper path, press  to resume printing.
201.yy Paper jam	<ol style="list-style-type: none"> 1 Clear the paper path. 2 After clearing the paper path, press  to resume printing.
202.yy Paper jam	<ol style="list-style-type: none"> 1 Clear the paper path. 2 After clearing the paper path, press  to resume printing.
230.yy Paper jam	<p>This indicates a jam in the duplex area.</p> <ol style="list-style-type: none"> 1 Clear the paper path. 2 After clearing the paper path, press  to resume printing.
24x.yy Paper jam	<ol style="list-style-type: none"> 1 Clear the paper path. 2 After clearing the paper path, press  to resume printing.
250.yy Paper jam	<ol style="list-style-type: none"> 1 Clear the paper path. 2 After clearing the paper path, press  to resume printing.
27x.yy Paper jam	<ol style="list-style-type: none"> 1 Clear the paper path. 2 After clearing the paper path, press  to resume printing.
900–999 Service <message>	<ol style="list-style-type: none"> 1 Turn the printer off, and check all cable connections. 2 Turn the printer back on. <p>If the service message recurs, call for service, and report the message number and description of the problem.</p>



Index

Numerics

- 1565 Emul Error Load Emul Option 54
- 200.yy Paper jam 57
- 24x.yy Paper jam 57
- 250.yy Paper jam 57
- 32 Replace unsupported <color> cartridge 54
- 34 Incorrect Media 54
- 34 Short Paper 54
- 37 Insufficient memory for Flash Memory Defragment operation 54
- 37 Insufficient memory to collate job 54
- 37 Insufficient memory, some held jobs were lost 54
- 38 Memory Full 55
- 39 Page is too complex to print 55
- 51 Defective flash detected 55
- 52 Not enough free space in flash memory for resources 55
- 53 Unformatted flash detected 55
- 54 Network software error 55
- 54 Serial option error 55
- 54 Standard network software error 55
- 55 Unsupported option in slot 55
- 56 Parallel port disabled 55
- 56 Serial port disabled 55
- 56 Standard USB port disabled 55
- 56 USB port disabled 56
- 58 Too many bins attached 56
- 58 Too many flash options installed 56
- 61 Remove defective disk 56
- 62 Disk full 56
- 63 Unformatted disk 56
- 900–999 Service 57

A

- accounting statistics 30
- Activate, AppleTalk 47
- Activate, LexLink 47
- Activate, netware 47
- Activating Menu Changes 49, 50
- Advanced Status, parallel 43
- Alarms 20
- Annotations 31
- AppleTalk 47
- Assign Type/Bin 15
- Auto Fit 36
- automatic size sensing 9

B

- Back button 5
- Backgrounds, HTML 36
- Baud 46
- bins
 - assigning 15
 - configuring 15
 - output 15
- Black Photo Dev Life Warning 49
- Black Toner 7
- Blank Pages 24
- Busy 49
- button
 - back 5
 - menu 5
 - stop 5

C

- Calibrating 49
- Cancel not available 49
- Cancelling Job 49
- Change 49
- Clearing job accounting statistics 49
- Close front door 49
- Close tray 49
- Collation, enabling 24
- Color Balance 27
- Color Correction 27
- Color Quality 48
- Color Samples 28
- Color Saver 27
- Configure Bins 15
- Configure MP 11
- Connection Guide, help 48
- Copies 49
- Copies, specifying number 24
- Coverage Estimator 31
- custom paper type 14
- Custom Types 14
- Cyan Toner 7

D

- Data Bits 46
- Default Source 9
- defaults, factory 23
- Defragment Flash 30
- Defragmenting Flash 50
- Delete 50

- Delete all 50
- Delete all confidential jobs 50
- Deleting 50
- Device Statistics 16
- diagram, menu 4
- directory printing 17, 18
- Disabling DLEs 50
- Disabling Menus 50
- Disk corrupted 50
- disk format 30
- Disk Recovery x/5 yyy% 50
- Display Language 19
- display panel 6
- Download Target 23
- duplex binding 24
- duplex enabling 24

E

- Emulation Settings, PCL 33
- ENA Address, USB 42
- ENA Gateway, USB 42
- ENA Netmask, USB 42
- Enabling Menus 50
- Encrypting Disk yyy% 50
- Engine Warming 50
- Enhance Fine Lines 29
- Enter PIN 50
- Enter PIN to lock 50
- Error printing from USB drive 50
- Error reading USB drive 50
- Ethernet 802.2, netware 47
- Ethernet 802.3, netware 47
- Ethernet SNAP, netware 47
- Ethernet Type II, netware 47

F

- Factory Defaults 23, 30
- Feed Direction 14
- Finishing Menu 24
- flash defragmenting 30
- flash formatting 30
- Flushing buffer 50
- Font Name, HTML 35
- Font Name, PCL 32
- font printing 17
- Font Priority 32
- Font Size, HTML 35
- Font Source, PCL 32
- Format Disk 30
- Format Flash 30
- Formatting Disk 50
- Formatting Disk yyy% 50
- Formatting Flash 51
- Fuser Life Warning 51

H

- held jobs, removal 30
- help
 - Color Quality 48
 - Connection Guide 48
 - Information Guide 48
 - Media Guide 48
 - Menu Map 48
 - Moving Guide 48
 - Print All 48
 - Print Defects Guide 48
 - Print Quality 48
 - Printing Guide 48
 - Supplies Guide 48
- Help Menu 48
- Hex Trace 31
- Honor DSR 46
- Honor Init, parallel 43
- HTML backgrounds 36
- HTML font name 35
- HTML font size 35
- HTML margins 36
- HTML Menu 34, 35
- HTML orientation 36
- HTML scaling 35

I

- Image Menu 36
- image orientation 36
- image scaling 36
- Image Smoothing 32
- Information Guide 48
- Insert Tray <x> 51
- Insufficient memory to support Resource Save feature 54
- Invalid Engine Code 51
- Invalid Network <x> Code 51
- Invalid PIN 51
- Invert 36
- IPv6 38

J

- Job Accounting 23
- job accounting 23
- job accounting statistics 30
- Job Buffering, network 40
- Job Buffering, parallel 43
- Job Buffering, serial 45
- Job Buffering, USB 41
- Job Expiration 37

L

- language, display 19
- language, printer 22
- LCD Brightness 31
- LCD Contrast 31

Index

LexLink 47
Load Manual <Custom String> 51
Load Manual <Custom Type> 51
Load Manual <size> 51
Load Manual <size> <type> 51
Load, src with, Custom String 51
Load, src with, Custom Type Name 51
Load, src, size 51
Load, src, type, size 51
loading paper 13

M

Mac Binary PS, network 40
Mac Binary PS, parallel 44
Mac Binary PS, USB 41
Magenta Toner 7
Manual Color 29
Manual Envelope Size 11
Manual Envelope Type 11
Manual Paper Size 11
Manual Paper Type 11
Margin, HTML 36
Max Invalid PIN 37
Media Guide 48
Menu button 5
menu diagram 4
Menu Map, help 48
Menu Settings Page 16
Menus are Disabled 51
Moving Guide, help 48
MP Feeder Size 10
MP Feeder Type 10
Multipage Border 26
Multipage Order 26
Multipage Print 25
Multipage View 26

N

Netware Menu 46
Netware Setup Page 17
Network <x> 51
Network <x>, <y> 51
Network Buffer 40
Network interface 51
network option 39
Network Ports 38
Network Setup Page 16
No held jobs 51
No jobs found 52
No jobs to cancel 52
No recognized file types 52
NPA Mode, network 39
NPA Mode, parallel 42
NPA Mode, serial 44
NPA Mode, USB 41
NSQ/GSQ mode, netware 47

numeric pad 6
numpad 6

O

operator panel 5
Orientation, HTML 36
Orientation, Image Menu 36
Output Bin 15

P

Packet Burst, netware 47
pad, numeric 6
panel, display 6
panel, operator 5
Paper Loading 13
paper menu 9
Paper Size 9
Paper Type 9
paper type, custom 14
Paper Weight 12, 13
parallel 52
Parallel Buffer 43
Parallel Mode 2 43
Parity 46
PCL emulation settings 33
PCL font name 32
PCL font source 32
PCL Menu 32
PCL SmartSwitch, network 39
PCL SmartSwitch, parallel 42
PCL SmartSwitch, serial 44
PCL SmartSwitch, USB 40
PCL symbol set 32
PCL tray renumber 34
PDF Menu 31
Port disabled Remove USB drive 52
Portrait Height 14
Portrait Width 14
PostScript Menu 31
Power Saver 20, 52
Print All, help 48
Print Defects Guide, help 48
Print Directory 17, 18
Print Fonts 17
Print Mode 26
Print PS Error 31
Print Quality help 48
Print Recovery 22
Print Resolution 27
Printer busy 52
Printer Language 22
Printer locked, enter PIN to unlock 52
Printing 52
printing annotations 31
Printing from USB drive 52
Printing Guide, help 48

- Profiles List 17
- Programming Disk 52
- Programming Flash 52
- Programming System Code 52
- Protocol, parallel 43
- PS SmartSwitch, network 39
- PS SmartSwitch, parallel 42
- PS SmartSwitch, serial 44
- PS SmartSwitch, USB 41

Q

- Quality Menu 26

R

- Reading USB drive 52
- Ready 52
- Remote Management Active 52
- Remove Held Jobs 30
- Remove paper from all bins 53
- Remove paper from bin 53
- Replace oil coating roll 53
- Reports 16
- Resetting Active Bin 53
- Resetting Fuser Count 53
- Resetting the Printer 53
- Resource Save 23
- Restore Held Jobs 53
- restoring defaults 23
- Restoring Factory Defaults 53
- Restoring Held Job xxx/yyyy 53
- RGB Brightness 27
- RGB Contrast 27
- RGB Saturation 27
- Robust XON 45

S

- samples, color 28
- saving power 20
- Scale to Fit 31
- Scale, HTML 35
- Scaling, Image Menu 36
- Security 37
- Separator Sheets 25
- Separator Source 25
- Serial <x> 53
- Serial and Serial Option Ports 44
- Serial Buffer 45
- Serial Menu 44
- Serial Protocol 45
- Set Zone, AppleTalk 47
- settings 19
- Setup Menu 19
- setup netware 17
- Some held jobs were lost 53
- Standard Bin Full 53
- standard network 39

- statistics 23
- statistics, job accounting 30
- Stop button 5
- Submitting selection 53
- Substitute Size 11
- Supplies Guide 48
- Supplies Menu 7
- Symbol Set, PCL 32

T

- TCP/IP 38
- Timeouts 21
- Toner Darkness 27
- top cover 49
- Tray <x> Empty 53
- Tray <x> Low 53
- Tray <x> Missing 53
- Tray <x> Size 9
- Tray <x> Type 10
- Tray Renumber, PCL 34

U

- Units of Measure 14
- Universal Paper Size 14
- USB 53
- USB <x> 53
- USB Buffer 41
- USB drive removed 54
- Utilities Menu 30

V

- View Address, AppleTalk 47
- View Login Name, netware 46
- View Name, AppleTalk 47
- View Network Number, netware 46
- View Nickname, LexLink 47
- View Print Mode, netware 46
- View supplies 54

W

- Waiting 54

Y

- Yellow Toner 7