



E350d and E352dn

Menus and Messages



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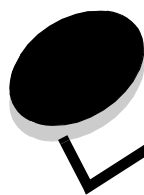
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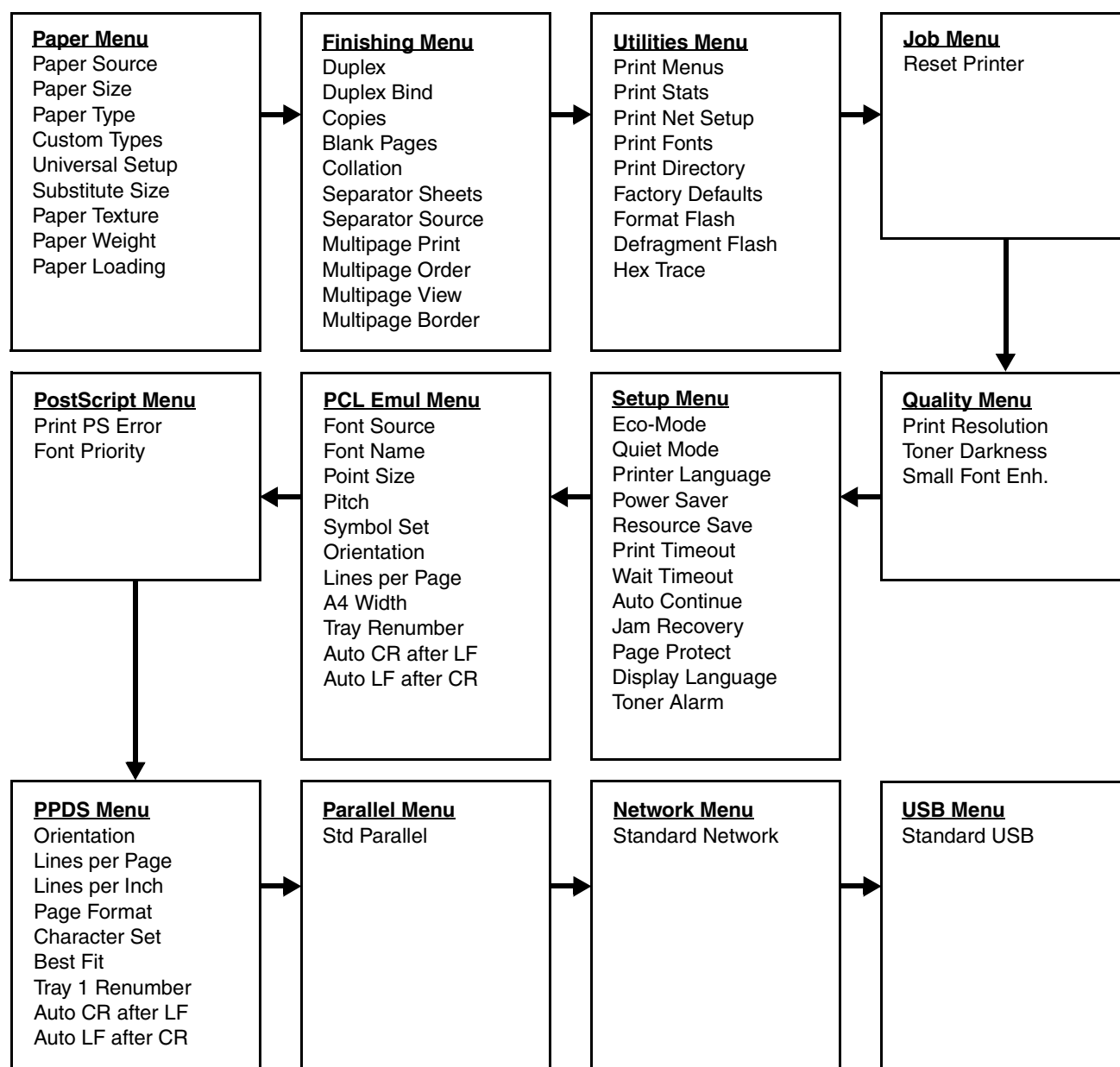


Using printer menus

A number of menus are available to make it easy for you to change printer settings. The diagram shows the menu index on the control 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.

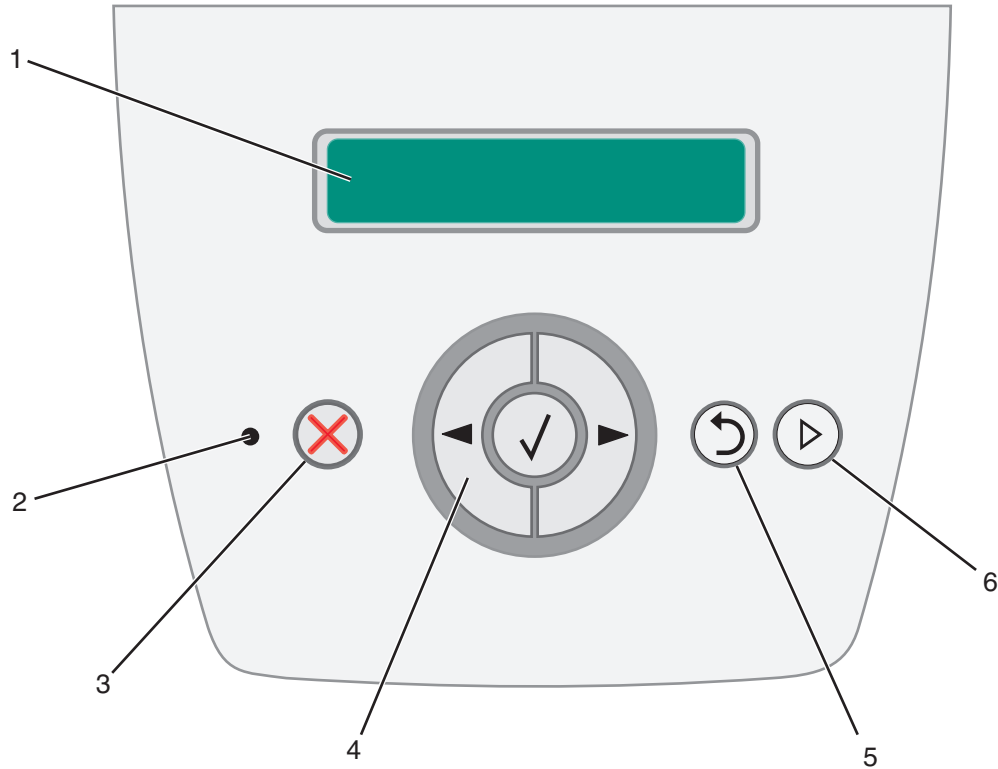
Select a menu or menu item for more details.



Understanding the control panel

The control panel consists of these items:

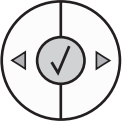
- A 2-line liquid crystal display (LCD) that can show text
- Six buttons: Stop (⊗), Navigation (with Left Menu ◀, Select (✓), and Right Menu ▶), Back (↶), and Go (▶)
- An indicator light



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

Button or control panel item	Function								
1 Display	The display shows messages describing the current state of the printer and indicating possible printer problems you must resolve.								
2 Indicator light	A green LED is used on the display, indicating the printer status. <table border="1"> <thead> <tr> <th>Status</th><th>Indicates</th></tr> </thead> <tbody> <tr> <td>Off</td><td>Power is off.</td></tr> <tr> <td>On</td><td>Printer is on, but idle.</td></tr> <tr> <td>Flashing green</td><td>Printer is on, and busy.</td></tr> </tbody> </table>	Status	Indicates	Off	Power is off.	On	Printer is on, but idle.	Flashing green	Printer is on, and busy.
Status	Indicates								
Off	Power is off.								
On	Printer is on, but idle.								
Flashing green	Printer is on, and busy.								
3 Stop (⊗)	Press and release the Stop (⊗) button to stop the mechanical operation of the printer. The Not Ready message will appear. Operation will resume when the Go button is pressed.								

Using printer menus

Button or control panel item	Function
4 Navigation buttons 	 The Left Menu ◀ and Right Menu ▶ buttons are used to enter a menu group. Once a menu group is active, press and release ▶ to go to the next selection, or press and release ◀ to go to the previous selection. You can also use these buttons to automatically increase (▶) or decrease (◀) the desired number of copies. 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.  Press and release the Select ✓ button to initiate action on a selection. Press Select when the cursor appears next to the selection you want such as following a link, submitting a configuration item, or when you want to start or cancel a job.
5 Back ⏮	Press and release the Back ⏮ button to return to the previous menu group. If at the top of the menu group, the button functions as a Go button.
6 Go ▶	Press and release the Go ▶ button to place the printer in the Ready state when the printer is offline.

Menu Groups

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

Paper Menu

Use the Paper Menu to define the default paper source, paper size, and paper type.

Menu selection	Purpose	Values	
Paper 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.
		Manual Paper	
		Manual Env	

Using printer menus

Menu selection	Purpose	Values		
Paper Size	Identifies the default paper size for this paper source	Tray <x> Size	A4* (non-US) A5 A6 JIS B5 Letter* (US) Legal Executive JIS B4 A3 11x17 Folio Statement	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.
		Manual Pap Size	A4* (non-US) A5 A6 JIS B5 Letter* (US) Legal Executive JIS B4 A3 11x17 Folio Statement Universal	
		Manual Env Size	7 3/4 Envelope 10 Envelope* (US) DL Envelope* (non-US) C5 Envelope Other Envelope	

Using printer menus

Menu selection	Purpose	Values		
Paper Type	Identifies the type of paper installed in this paper source Note: If a user-defined name is available, it appears 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.	Tray <x> Type	Plain Paper* Card Stock Transparency Labels Bond Letterhead Preprinted Colored Paper Light Paper Heavy Paper Rough/Cotton Custom Type <x>	Use this menu item to: - Optimize print quality for the specified paper. - Select paper sources through your software program 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.
		Manual Pap type	Plain Paper* Card Stock Transparency Labels Bond Letterhead Preprinted Colored Paper Light Paper Heavy Paper Rough/Cotton Custom Type <x>	
		Manual Env Type	Envelope* Custom Type <x>	
Custom Types	Specifies the type of paper associated with each Custom Type available in the Paper Type menu	Custom Type <x>	Paper* Card Stock Transparency 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 16 characters) will be displayed instead of Custom Type x .

Using printer menus

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 Millimeters	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 14.17 inches in 0.01 inch increments 76 mm to 360 mm in 1 mm increments	Shows either inches or mm from Units of Measure setting; 11.69 inches is the US default, and 297 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 14.17 inches in 0.01 inch increments 76 mm to 360 in 1 mm increments	Shows either inches or mm from Units of Measure setting; 17 inches is the US default, and 432 mm is the international default.
Feed Direction	Specifies the feed direction	Short Edge* Long Edge	Long Edge is only shown if the longest edge is shorter than the Maximum Physical Width of the printer.

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 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*	The All Listed value indicates that all available substitutions are allowed.

Paper Texture

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

Menu selection	Purpose	Values	
Plain Texture	Identifies the texture of the media loaded in a specific input source	Smooth Normal* Rough	
Card Stock Text	Identifies the texture of the card stock loaded in a specific input source	Smooth Normal* Rough	Shown if Card Stock is supported in the specified input source

Using printer menus

Menu selection	Purpose	Values	
Transprncy Text	Identifies the texture of the media loaded in a specific input source	Smooth Normal* Rough	
Labels Texture			
Bond Texture			
Envelope Texture			
Ltrhead Texture			
Preprint Texture			
Colored Texture			
Light Texture			
Heavy Texture			
Rough Texture	Identifies the texture of the media loaded in a specific input source	Smooth Normal Rough*	
Custom <x> Texture	Identifies the texture of the custom media loaded in a specific input source	Smooth Normal* Rough	Shown if the custom type is supported in the specified input source

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 weight of the media loaded in a specific input source	Light Normal* Heavy	
CardStock Weight	Identifies the weight of the card stock loaded in a specific input source	Light Normal* Heavy	Shown if Card Stock is supported in the specified input source
Transprncy Weight	Identifies the weight of the media loaded in a specific input source	Light Normal* Heavy	
Labels Weight			
Bond Weight			
Envelope Weight			
Ltrhead Weight			
Preprint Weight			
Colored Weight			
Light Weight	Identifies the weight of the media loaded in a specific input source	Light* Normal Heavy	

Using printer menus

Menu selection	Purpose	Values	
Heavy Weight	Identifies the weight of the media loaded in a specific input source	Light Normal Heavy*	
Rough Weight			
Custom <x> Weight	Identifies the weight of the custom media loaded in a specific input 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 program 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	
Card Stock Load	Properly handles preprinted 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
Labels Loading	Properly handles preprinted paper whether the job is a duplexed or single-sided job	Duplex Off*	
Bond Loading			
Ltrhead Loading			
Preprinted Loading			
Colored Loading			
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

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: 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
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)	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)

Using printer menus

Menu selection	Purpose	Values	
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 control panel.
Blank Pages	Specifies whether to include program-generated blank pages as part of your printed output	Do Not Print*	Does not print program-generated blank pages as part of your job
		Print	Prints program-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.
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
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																		
		Rev Horizontal																		
		Rev Vertical																		
	For example, if you select 4-Up multipage printing and portrait orientation, the results differ depending on the Multipage Order value you select:																			
	Horizontal Order <table><tr><td>1</td><td>2</td></tr><tr><td>3</td><td>4</td></tr></table>	1	2	3	4	Vertical Order <table><tr><td>1</td><td>3</td></tr><tr><td>2</td><td>4</td></tr></table>	1	3	2	4	Reverse Horizontal Order <table><tr><td>2</td><td>1</td></tr><tr><td>4</td><td>3</td></tr></table>	2	1	4	3	Reverse Vertical Order <table><tr><td>3</td><td>1</td></tr><tr><td>4</td><td>2</td></tr></table>	3	1	4	2
1	2																			
3	4																			
1	3																			
2	4																			
2	1																			
4	3																			
3	1																			
4	2																			
Multipage View	Determines the orientation of a multipage 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																

Utilities Menu

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

Menu selection	Purpose	Values
Print Menus	Prints information relating to the default printer settings and verifies that printer options are installed correctly	No value for this. Pressing  prints the specified page. After selecting this item, the page will print and the printer will return to Ready .
Print Stats	Prints information relating to the printer statistics	
Print Net Setup	Prints information about the network settings	

Using printer menus

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	Prints a sample of all printer fonts available for PPDS emulation. This value is only available if PPDS emulation is active.
Print Directory	Prints the contents of the flash memory card Note: This option is only available if a flash memory card is installed.	No value for this. Pressing  prints the specified page. After selecting this item, the page will print and the printer will return to Ready.	
Factory Defaults	Returns printer settings to the factory default values	Do Not Restore*	User-defined settings remain.
		Restore	All menu items are returned to the factory default values except: • Display Language • All settings in the Parallel Menu, Network Menu, and USB Menu • Resources residing in flash memory Note: All downloaded resources (fonts, macros, and symbol sets) in printer memory (RAM) are deleted.
Format Flash	Formats the flash memory card Note: This option is only available if a flash memory card is installed, is not write protected, and is not defective.	No*	No changes are made to the flash memory card.
		Yes	Clears the contents of the flash memory card
Defragment Flash	Reclaims any fragmented space on the flash memory card Note: This option is only available if a flash memory card is installed, is not write protected, and is not defective.	No*	No changes are made to the flash memory card.
		Yes	Defragments the flash memory card.
Hex Trace	Helps isolate the source of a print job problem	Restore	All menu items are returned to the factory default values except: • Display Language • All settings in the Parallel Menu, Network Menu, and USB Menu • Resources residing in flash memory Note: All downloaded resources (fonts, macros, and symbol sets) in printer memory (RAM) are deleted.

Using printer menus

Job Menu

Menu selection	Purpose	Values
Reset Printer	Clears current print jobs	No value for this. Pressing  initiates the reset cycle. After selecting this item, the printer will reset and return to Ready .

Quality Menu

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

Menu selection	Purpose	Values
Print Resolution	Specifies the printed output resolution	300 dpi 600 dpi 1200 Image Q 2400 Image Q*
Toner Darkness	Lightens or darkens printed output and conserves toner	1–10 8* is the default setting. Select a lower number to lighten the printed output or save toner.
Small Font Enh.	Enhances the quality of small fonts	Off* Fonts Only Fonts/Images

Setup Menu

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

Menu selection	Purpose	Values
Eco-Mode	The printer minimizes waste (toner, paper, energy) while maintaining acceptable print quality.	Off* No changes in operation are made.
		Energy The following options are changed: - Duplex is turned off. - The control panel's power indicator LED and backlight remain off. - Ready mode is disabled.
		Energy/Paper Same options as Energy option, except Duplex is turned on.
Quiet Mode	The printer operates quietly by printing output at a slower speed.	Off* No changes in operation are made.
		On The following options are changed: - The control panel's power indicator LED remains illuminated when in Ready state and blinks when in Busy state - All print jobs print at half speed. - Fuser standby mode is enabled. Note: The engine prints at half speed in all resolutions.

Using printer menus

Menu selection	Purpose	Values	
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 program from sending print jobs that use the other language.	PCL Emulation* PS Emulation PPDS Emulation	PCL emulation —Uses a PCL emulation interpreter for incoming host communications. PostScript emulation —Uses a PS interpreter for incoming host communications. PPDS emulation —Uses a PPDS interpreter for incoming host communications.
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	Disabled	This value does not appear unless Energy Conserve is set to Off. For more information, see the <i>User's Guide</i> on the <i>Software and Documentation</i> CD.
		1...240	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.) 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. 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. 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.
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, 32 Memory Full appears.
Download Target	Specifies the storage location for downloaded resources Storing downloaded resources in flash memory is permanent storage rather than the temporary storage that RAM provides. The resources remain in the flash memory 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.

Using printer menus

Menu selection	Purpose	Values	
Print Timeout	Specifies the amount of time (in seconds) the printer waits before printing the last page of a print job that does not end with a command to print the page. The print timeout counter does not start until Waiting is displayed.	Disabled	The printer does not print the last page of a print job until one of the following occurs: - The printer receives enough information to fill the page. - The printer receives a Form Feed command. - You select Print Buffer from the Job Menu.
		1...255 (90*)	The printer prints the last page after the specified time. (Your printer may not support the entire range of values.)
Wait Timeout	To specify the amount of time (in seconds) the printer waits to receive additional bytes of data from the computer. When this timeout expires, the print job is canceled. Wait Timeout is only available when you use PostScript emulation. This menu item has no effect on PCL emulation print jobs.	Disabled	Disables Wait Timeout
		15...65535 (40*)	Specifies the amount of time the printer waits for additional data before it cancels the job
Auto Continue	Defines the amount of time (in seconds) the printer waits after displaying an operator intervention error message before it resumes printing	Disabled*	Printer does not resume printing until someone clears the error message.
		5...255	Printer waits the specified amount of time, and then automatically resumes printing. This timeout value also applies if the menus are displayed (and the printer is offline) for the specified period of time.
Jam Recovery	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	Successfully prints a page that may otherwise generate Complex Page errors. 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. For most print jobs, you do not need to select On. When On is selected, printing may be slower.	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

Using printer menus

Menu selection	Purpose	Values	
Display Language	Determines the language of the text displayed on the control panel	English Français Deutsch Italiano Español Dansk Norsk Nederlands Svenska Português Suomi Russian Polski Magyar Turkish Czech Simplified Chinese Traditional Chinese Korean Japanese	Note: All values may not be available.
Toner Alarm	Specifies how the printer responds when it is low on toner	Off*	Printer will display a warning and continue printing pages.
		Single	Printer will display a warning and stop printing pages.
		Continuous	Printer will continuously display a warning and stop printing pages.

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
		Download	Displays all fonts downloaded to printer RAM
		Flash	Displays all fonts stored in flash memory
		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.

Using printer menus

Menu selection	Purpose	Values	
Point Size	Specifies the point size for scalable typographic fonts	1...1008 in increments of 0.25 points)	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. Point Size is only displayed for typographic fonts.
		12*	
Pitch	Specifies the font pitch for scalable monospaced fonts	0.08...100 (in increments of 0.01 cpi)	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 nonscalable monospaced fonts, the pitch is displayed, but cannot be changed. Pitch is only displayed for fixed, or monospaced, fonts.
		10*	
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)	
Orientation	To determine how text and graphics are oriented on the page	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
Lines per Page	Determines the number of lines that print on each page	1...255	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.
		60* (country/region-specific factory default values)	
		64* (country/region-specific factory default values)	
A4 Width	Specifies the width of the logical page for A4 size paper.	198 mm*	Makes the logical page compatible with the Hewlett-Packard LaserJet 5 Printer
		203 mm	Makes the logical page wide enough to print eighty 10-pitch characters

Using printer menus

Menu selection	Purpose	Values	
Tray Renumber	Configures your printer to work with printer drivers or programs that use different source assignments for the paper trays	Assign Tray <x>	
		Assign Man Env	
		Assign Man Paper	
	Specifies a value	Off*	Printer uses factory default paper source assignments.
		0...199	Select a numeric value to assign a custom value to a paper source.
		None	Paper source ignores the Select Paper Feed command.
	Other Tray Renumber selections	View Factory Def	Press Menu to display the factory default value assigned to each paper source.
		Restore Defaults	Select Yes to return all tray assignments to factory default values.
Auto CR after LF	Specifies whether the printer automatically performs a carriage return after a line feed control command	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.
Auto LF after CR	Specifies whether the printer automatically performs a line feed after a carriage return control command	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.

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
Font Priority	Establishes the font search order Font Priority is only displayed when a formatted flash is installed, is neither defective nor Read/Write or Write protected, and Job Buffer Size is not set to 100%.	Resident*	Printer searches printer memory for the requested font before searching flash memory.
		Flash	Printer searches the flash memory for the requested font before searching printer memory.

Using printer menus

PPDS Menu

Use the PPDS Menu to change printer settings that only affect jobs using the PPDS emulation printer language.

Note: The PPDS MENU is only displayed after the PPDS emulator has been activated.

Menu selection	Purpose	Values	
Orientation	Determines how text and graphics are oriented on the page	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
Lines per Page	Determines the number of lines that print on each page	1...255 (64*)	The printer sets the amount of space between each line (vertical line spacing) based on the Lines per Inch, Lines per Page, Paper Size, and Orientation menu items. Select the correct Paper Size and Orientation before changing Lines per Page.
Lines per Inch	Determines the number of lines that print per vertical inch	1...30 (6*)	The printer sets the amount of space between each line (vertical line spacing) based on the Lines per Inch, Lines per Page, Paper Size, and Orientation menu items. Select the correct Paper Size and Orientation before changing Lines per Inch.
Page Format	Affects how the printer interprets the margins set from software applications	Print*	Printer measures the margin settings from the inside edge of the left unprintable area and the bottom of the top unprintable area. The left and top margin areas on the print job are equal to the software margins setting plus the unprintable area.
		Whole	Printer measures margin settings from the top left edge of the paper. The left and top margins areas on the print job are equal to the software margins settings.
Character Set	Determines which code page to use to print PPDS jobs	1	The standard code pages are used.
		2*	The addresses from Value 1 change to represent characters and symbols used in non-US English languages.
Best Fit	Determines whether to perform a font best fit search if the requested font cannot be found	Off	Printer stops printing when a requested font cannot be found. An error message is posted indicating the font could not be found.
		On*	Printer continues even though it was not able to locate a requested font. Instead, the printer tries to select another font that best matches the characteristics of the requested font.
Tray 1 Renumber	Configures your printer to work with printer drivers or applications that use different source assignments for the paper trays. This menu item is only displayed when Tray 2 is installed.	Off*	Print jobs are printed from the requested source.
		Tray 2	Print job requests for Tray 2 are converted to requests for Tray 1. Print job requests for Tray 1 are converted to requests for Tray 2.

Using printer menus

Menu selection	Purpose	Values	
Auto CR after LF	Specifies whether the printer automatically performs a carriage return after a line feed control command	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.
Auto LF after CR	Specifies whether the printer automatically performs a line feed after a carriage return control command	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.

Parallel Menu

Use the Parallel Menu to change printer settings affecting jobs sent to the printer through a parallel port.

Std Parallel

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 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 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 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 to determine the format and then processes it appropriately.
Parallel Buffer	Configures the size of the parallel input buffer 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 your 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 USB buffer.
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)

Using printer menus

Menu selection	Purpose	Values	
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.
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. 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.

Network Menu

Use the Network Menu to change printer settings affecting jobs sent to the printer through a network port.

Standard Network

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 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.
Network Buffer	Configures the size of the network input buffer 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 your 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 and USB buffers.
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. 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.
Std Net Setup	Configures an internal print server	Values for this menu item are supplied by the specific print server. Select the menu item to see the available values.	

USB Menu

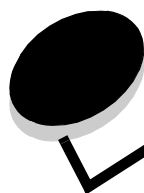
Use this menu selection to change printer settings affecting a Universal Serial Bus (USB) port.

Standard USB

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 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 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 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	The printer will not perform any NPA processing.
		On	All data received by the printer must be in NPA packets. Any non-packet data received will be rejected as bad.
		Auto*	Printer examines the incoming data to determine the format. If the incoming data is not NPA packets, the information is passed to the printer as non-NPA.
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 and network buffers.

Using printer menus

Menu selection	Purpose	Values	
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.



Understanding printer messages

The printer control 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	Wait for the message to clear.
Activating Menu Changes	Wait for the message to clear.
Activating/Deactivating PPDS	Wait for the message to clear.
Busy	Wait for the message to clear, or cancel the print job.
Cancelling Job	Wait for the message to clear.
Change Cartridge Invalid Refill	The printer has detected an unsupported refilled cartridge. Remove the indicated print cartridge and install a new one.
Close door	Close the specified door to clear the message.
Deactivating Demo Mode	Wait for the message to clear.
Defragmenting Flash DO NOT POWER OFF	Warning: Do not turn the printer off while this message is displayed. 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 control panel.
Enabling Menus	Wait for the message to clear.
Flushing buffer	Wait for the message to clear.
Formatting Flash DO NOT POWER OFF	Warning: Do not turn the printer off while this message is displayed. Wait for the message to clear.
Invalid Engine Code	Download valid engine code to the printer. Note: You can download engine code while this message is displayed.
Invalid Standard Network Code	The code in an internal print server is not valid. The printer cannot receive and process jobs until valid code is programmed into the internal print server. Download valid code to the internal print server. Note: You can download network code while this message is displayed.
Load manual feeder with <Custom Type>	- Load the specified paper in the manual feed tray or multipurpose feeder. - To ignore the manual feed request and print on paper already installed in one of the input sources, press . 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. - Cancel the current job.
Load manual feeder with <Custom String>	
Load manual feeder with <size>	
Load manual feeder with <size> <type>	

Understanding printer messages

Message	Action
Load <src> with <Custom Type Name>	- Load the input source with the correct type and size media. - Cancel the current job.
Load <src> with <Custom String>	
Load <src> <size>	
Load <src> <type> <size>	
Maintenance	Replace the maintenance items and, if necessary, reset the printer maintenance counter.
Menus Disabled	The printer menus are disabled. You cannot change the printer settings from the control panel. Note: You can still cancel a job. Contact your system support person.
Network	A network interface is the active communication link.
Network Card Busy	An internal print server (also called an internal network adapter or INA) is being reset. Wait for the message to clear.
Not Ready	The printer is not ready to receive or process data. Someone pressed  to take the printer offline. Press  to make the printer ready to receive jobs.
Parallel	A parallel interface is the active communication link.
Performing Self Test	The printer is running the series of start-up tests it performs after it is turned on. Wait for the message to clear.
Power Saver	- Send a job to print. - Press  to warm the printer to normal operating temperature and display the Ready message.
Printing Directory List	The printer is processing or printing a directory of all files stored in flash memory. Wait for the message to clear.
Printing Font List	The printer is processing or printing a list of all available fonts for the specified printer language. Wait for the message to clear.
Printing Menu Settings	The printer is processing or printing the menu settings page. Wait for the message to clear.
Printing Device Statistics	The printer is printing statistical information about the printer. Wait for the message to clear.
Printing Quality Test Pages	The printer is formatting and printing the Print Quality Test, which consists of 4 pages. Page 1 contains a mixture of graphics and text, pages 2 and 3 contain only graphics, and page 4 is a blank page. If Duplex is turned on, then the pages are duplexed; otherwise, they are simplex. Wait for the message to clear.
Prog Engine Code DO NOT POWER OFF	The printer is programming new engine code. Wait for the message to clear and the printer to reset. Warning: Do not turn the printer off while this message is displayed.
Program Flash DO NOT POWER OFF	The printer is storing resources, such as fonts or macros, in flash memory. Wait for the message to clear. Warning: Do not turn the printer off while this message is displayed.
Prog System Code DO NOT POWER OFF	The printer is programming new system code. Wait for the message to clear and the printer to reset. Warning: Do not turn the printer off while this message is displayed.
Ready	Send a job to print.
Remove Paper Standard bin	The standard output bin is full.

Understanding printer messages

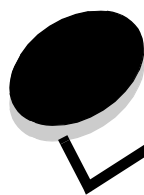
Message	Action
Resetting Maint Cnt Value	The printer is resetting the counter that tracks wear on the fuser.
Resetting PC Cnt Value	The printer is resetting the counter that tracks wear on the photoconductor.
Resetting the Printer	Wait for the message to clear.
Res Reduced	The printer is reducing the resolution of a page in the current job from 600 dots per inch (dpi) to 300 dpi to prevent a 38 Memory Full error. Res Reduced remains on the display while the job prints.
Restoring Factory Defaults	Wait for the message to clear. Note: When factory default settings are restored: • 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>: – The Display Language setting in the Setup Menu – All settings in the Parallel Menu, Network Menu, and USB Menu
Std Bin Full	The standard bin is full.
Toner Low	• Replace the toner cartridge. • Press  to clear the message and continue printing.
Tray <x> Missing	Insert the tray into the printer.
USB	The printer is processing data through the specified USB port.
Waiting	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. • Press  to print the contents of the buffer. • Cancel the current job.
31 Missing or defective cart.	Insert or replace the toner cartridge.
32 unsupported print cartridge	Install a toner cartridge that is the correct type and capacity for this printer.
34 Short paper	• Load the appropriate media in the selected source. • To clear the message and print the job using a different paper source, press .
35 Res save off deficient memory	• To disable Resource Save and continue printing, press . • To enable Resource Save after you get this message: – 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.
37 Insufficient collation area	• To print the portion of the job already stored and begin collating the rest of the job, press . • Cancel the current job.
37 Insufficient Defrag memory	• To stop the defragment operation and continue printing, press . • Delete fonts, macros, and other data in printer memory. • Install additional printer memory.
38 Memory Full	• To clear the message and continue printing, press . The job may not print correctly. • Cancel the current job. • Install additional printer memory.

Understanding printer messages

Message	Action
39 Complex Page	The page may not print correctly because the print information on the page is too complex. • Press  to clear the message and continue printing the job. The job may not print correctly. • Press  to open the Job Menu and cancel the current job. • To avoid this error in the future: – Reduce the complexity of the page by reducing the amount of text or graphics on the page and deleting unnecessary downloaded fonts or macros. – Set Page Protect to On in the Setup Menu. – Install additional printer memory.
42 Cartridge Region Mismatch	The geographic region of the printer does not match the geographic region of the installed toner cartridge. Remove the toner cartridge and install a new cartridge that matches the region of the printer.
50 PPDS font error	• To clear the message and continue printing, press  . The job may not print correctly. • Cancel the current job.
51 Defective flash	To clear the message and continue printing, press  . You must install different flash memory before you can download any resources to flash.
52 Flash full	• To clear the message and continue printing, press  . 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	To clear the message and continue printing, press  . 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.
54 Std network software error	• To clear the message and continue printing, press  . The job may not print correctly. • Program new firmware for the network interface. • Reset the printer.
55 Unsupported flash in slot <x>	1 Turn the printer off. 2 Unplug the power cord from the wall outlet. 3 Remove the unsupported option. 4 Plug in the power cord. 5 Turn the printer on.
56 Std parallel port disabled	• To clear the message, press  . • The printer discards any data received through the parallel port. • Make sure the Parallel Buffer menu item is not set to Disabled.
56 Standard USB port disabled	• To clear the message, press  . The printer discards any data received through the USB port. • Make sure the USB Buffer menu item is not set to Disabled.
56 Standard USB port disabled	• To clear the message, press  . 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 flash options	1 Turn off and unplug the printer. 2 Remove the excess flash memory. 3 Plug in the printer, and turn it on.

Understanding printer messages

Message	Action
58 Too many trays attached	1 Turn off and unplug the printer. 2 Remove the excess trays. 3 Plug in the printer, and turn it on.
80 Scheduled maintenance	• To clear the message, and continue printing, press . • Replace the maintenance items and if necessary, reset the printer maintenance counter.
81 Engine Code CFC Failure	The microcode to be programmed in the engine flash code module has failed a CRC check. Press GO to clear the message. The microcode data will be discarded and must be re-transmitted from the host.
84 Photoconduct life warning	• To clear the message, and continue printing, press . • Replace the photoconductor unit.
84 Replace Photoconductor	• To clear the message, and continue printing, press . • Replace the photoconductor unit.
84 PC unit abnormal	• Replace the photoconductor unit.
88 Toner low	• Replace the toner cartridge. • To clear the message, and continue printing, press .
200 Paper jam Remove Cartridge	1 Clear the paper path. 2 Press  to resume printing.
201 Paper jam Remove Cartridge	1 Clear the paper path. 2 Press  to resume printing.
202 Paper jam Open rear door	1 Clear the paper path. 2 Press  to resume printing.
231 Paper jam Open rear door	1 Clear the paper path. 2 Press  to resume printing.
23x Paper jam Open rear door	1 Clear the paper path. 2 Press  to resume printing.
234 Paper jam Check duplex	1 Clear the paper path. 2 Press  to resume printing.
235 Paper jam Unsupported size	1 Clear the paper path. 2 Press  to resume printing. 3 Check the paper size to insure that it is supported by the printer.
24x Paper jam Check tray <x>	1 Clear the paper path. 2 Press  to resume printing.
251 Paper jam Check main feeder	1 Clear the paper path. 2 Press  to resume printing.
900-999 Service <message>	1 Turn the printer off. 2 Unplug the power cord from the wall. 3 Check all cable connections. 4 Plug in the power cord. 5 Turn the printer back on. If the service message recurs, call for service, and report the message number and description of the problem.



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