



# 4600 MFP

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## Menus and Messages Guide



**August 2006**

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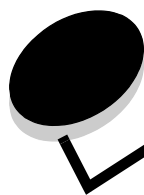
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# 1

## Using the MFP menus

### ***Understanding the multifunction printer (MFP) control panel***

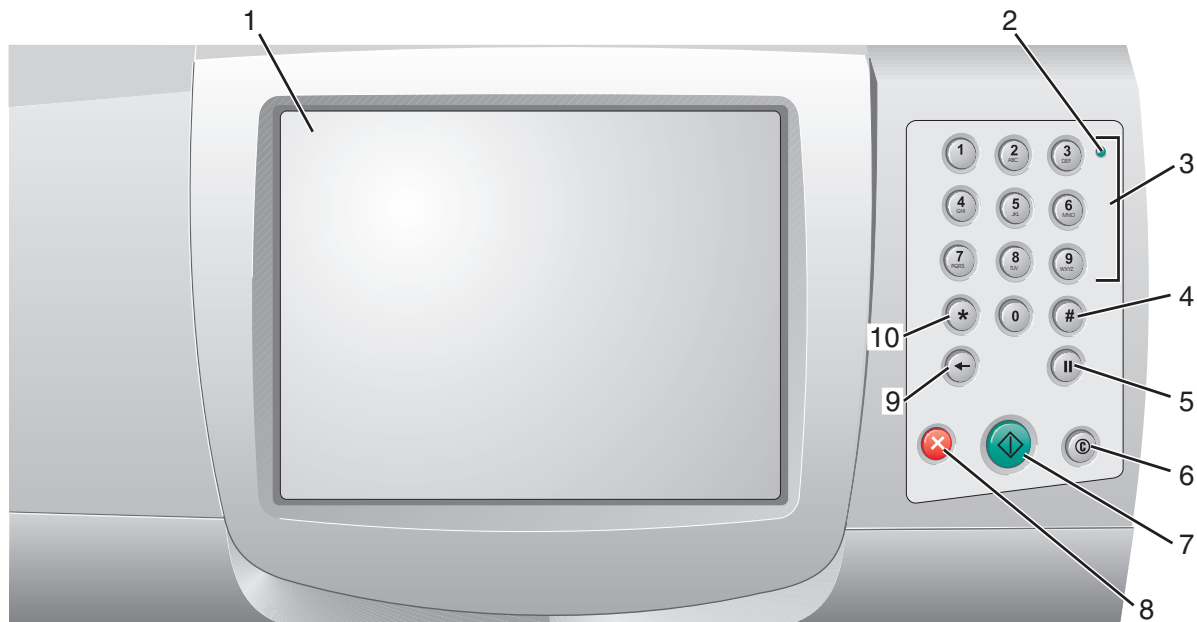
Most print settings can be changed from the application in use or the print driver. Settings changed from the application or print driver apply only to the job being sent to the MFP.

Changes made to print settings from an application override changes made from the control panel.

If a setting cannot be changed from the application, use the control panel, MarkVision™ Professional, or the Embedded Web Server (EWS) pages. Changing a setting from any of these makes that setting the user default.

Whenever a touch screen MFP is attached to a printer, the printer operator panel and any printer operator panel buttons are disabled. The only panel and buttons that are functional are those on the MFP control panel.

The MFP control panel consists of:



## Using the MFP menus

Callout	Control panel item	Function										
1	LCD	The liquid crystal display (LCD) shows home screen buttons, menus, menu items, and values. It allows for making selections within Copy, Fax, and so on.										
2	Indicator light	<p>Gives information about the status of the MFP using the colors red and green:</p> <table><tr><th>Status</th><th>Indicates</th></tr><tr><td>Off</td><td>MFP power is off.</td></tr><tr><td>Blinking green</td><td>MFP is warming up, processing data, or printing a job.</td></tr><tr><td>Solid green</td><td>MFP is on, but idle.</td></tr><tr><td>Solid red</td><td>Operator intervention is required.</td></tr></table>	Status	Indicates	Off	MFP power is off.	Blinking green	MFP is warming up, processing data, or printing a job.	Solid green	MFP is on, but idle.	Solid red	Operator intervention is required.
Status	Indicates											
Off	MFP power is off.											
Blinking green	MFP is warming up, processing data, or printing a job.											
Solid green	MFP is on, but idle.											
Solid red	Operator intervention is required.											
3	0–9 <b>Note:</b> Referred to as the numeric keypad.	<p>Enter numbers when the LCD screen has a field that accepts the entry of numbers. Also, use these buttons to dial phone numbers for faxes.</p> <p><b>Note:</b> If a number is pressed while on the home screen without pressing the # button first, the Copy menu opens and changes the Copy Quantity.</p>										
4	# (Pound or number character)	<p>Press this button:</p> <ul style="list-style-type: none"><li>For a shortcut identifier.</li><li>Within phone numbers. For a Fax number with a #, enter it twice — ##.</li><li>From the home screen, the Fax Destination List menu item, E-mail Destination List menu item, or Profile List menu item to access shortcuts.</li></ul>										
5	Dial Pause	<p>Cause a two- or three-second dial pause in a fax number. The button only functions within the Fax menu or with fax functions.</p> <p>Redial a fax number from the home screen.</p> <p>When outside of the Fax menu, fax function, or home screen, an error beep sounds if Dial Pause is pressed.</p> <p>When sending a fax, in the Fax To: field, a Dial Pause press is represented by a comma (,).</p>										
6	Clear All	<p>When in the function menus, such as Copy, Fax, E-mail, and FTP, it returns all settings to their default values, and then returns the MFP to the home screen.</p> <p>When in any other menu while the MFP is <b>Ready</b>, it cancels all changes that have not been submitted and returns the MFP to the home screen.</p>										
7	Start	<p>Initiate the current job indicated on the control panel.</p> <p>From the home screen, press it to start a copy job with the default settings.</p> <p>The button has no effect if it is pressed while a job runs through the scanner.</p>										

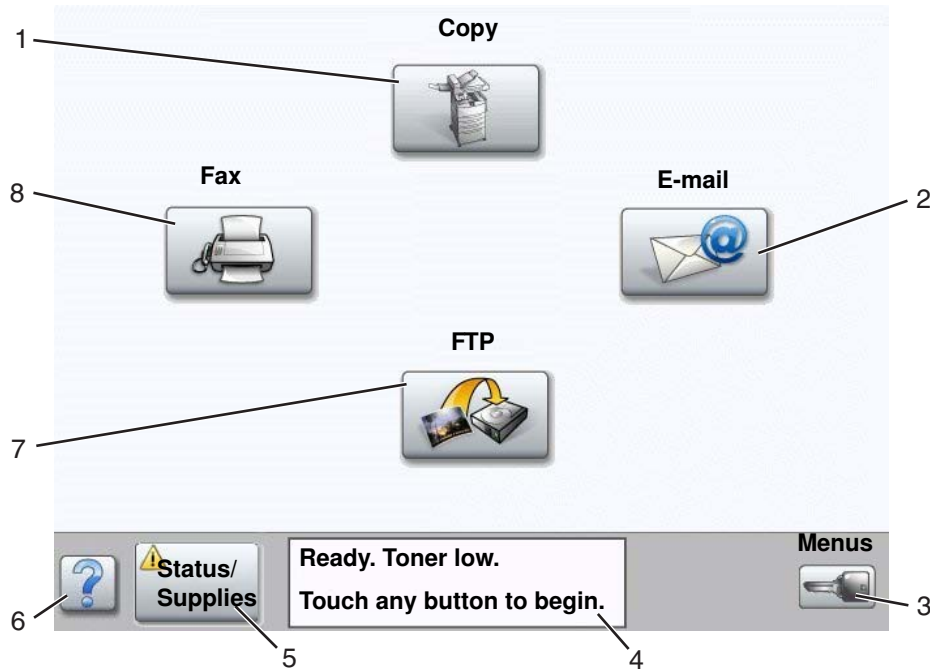
## Using the MFP menus

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Callout	Control panel item	Function
8	Stop	<p>Cause the printing or scanning to stop.</p> <p>During a scan job, the scanner finishes scanning the current page and then stops, which means paper may remain in the automatic document feeder (ADF).</p> <p>During a print job, the print media path is cleared before the printing stops.</p> <p><b>Stopping</b> appears on the control panel during this process.</p>
9	Backspace	<p>Within the Copy menu, which is accessed by touching the Copy button, press <b>Backspace</b> to delete the right-most digit of the value in the Copy Count. The default value of 1 appears if the entire number is deleted by pressing <b>Backspace</b> numerous times.</p> <p>Within the Fax Destination List, press <b>Backspace</b> to delete the right-most digit of a number entered manually. It also deletes an entire shortcut entry. Once an entire line is deleted, another press of <b>Backspace</b> causes the cursor to move up one line.</p> <p>Within the E-mail Destination List, press <b>Backspace</b> to delete the character to the left of the cursor. If the entry is in a shortcut, the entire entry is deleted.</p>
10	Asterisk (*)	<p>* is used as part of a fax number or as an alphanumeric character.</p>

### Home screen

After the MFP is turned on and a short warm-up period occurs, the LCD shows the following basic screen, which is referred to as the home screen. Use the LCD touch-screen home screen buttons to open a menu. Once in a menu, use other buttons to scroll through a list of menu items or values, select a value to change the user default setting, and respond to messages.





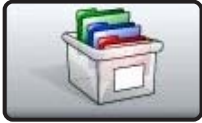

Callout number	Button or screen item	Function
1	Copy	Access the Copy menus. If the home screen is shown, press a number to access the Copy menus, too.
2	E-mail	Access the E-mail menus. It is possible to scan a document directly to an e-mail address.
3	Menus (A key is shown on the button.)	Access the menus. These menus are only available when the MFP is in the <b>Ready</b> state. The Menu button is on a gray bar called the navigation bar. The bar contains other buttons described as follows.
4	Status message bar	Shows the current MFP status, such as <b>Ready</b> or <b>Busy</b> . Shows MFP conditions, such as <b>Toner Low</b> . Shows intervention messages to give instructions on what the user should do so the MFP can continue processing, such as <b>Close door</b> or <b>insert print cartridge</b> .
5	Status/Supplies	Appears on the LCD whenever the MFP status includes a message requiring intervention. Touch it to access the messages screen for more information on the message, including how to clear it.





## Using the MFP menus

Callout number	Button or screen item	Function
6	? (Tips)	All menus have a Tips button. Tips is the context-sensitive Help feature within the LCD touch screens.
7	FTP	Access the File Transfer Protocol (FTP) menus. A document can be scanned directly to an FTP site.
8	Fax	Access the Fax menus.

Other LCD touch-screen buttons may appear on the home screen. They are:

Button	Button name	Function
	Release Held Faxes (or Held Faxes if in Manual Mode)	There are held faxes with a scheduled hold time previously set. To access the list of held faxes, touch this button.
	Search Held Jobs	Search on any of the following items and return any matches: <ul style="list-style-type: none"> <li>• User names for held or confidential print jobs</li> <li>• Job names for held jobs, excluding confidential print jobs</li> <li>• Profile names</li> <li>• Bookmark container or job names</li> <li>• USB container or job names for supported extensions only</li> </ul>
	Held Jobs	Open a screen containing all the held jobs containers.
	Lock Device	<p>This button appears on the screen when the MFP is unlocked and the Device Lockout Personal Identification Number (PIN) is not null or empty.</p> <p>To lock the MFP:</p> <ol style="list-style-type: none"> <li>1 Touch <b>Lock Device</b> to open a PIN entry screen.</li> <li>2 Enter the correct PIN to lock the control panel which locks both the control panel buttons and the touch-screen buttons.</li> </ol> <p>Once the control panel is locked, the PIN entry screen clears, and the Lock Device button is replaced with the Unlock Device button.</p> <p><b>Note:</b> If an invalid PIN is entered, <b>Invalid PIN.</b> appears. A pop-up screen appears with the Continue button shown. Touch <b>Continue</b>. The home screen returns with the Lock Device button shown.</p>

## Using the MFP menus

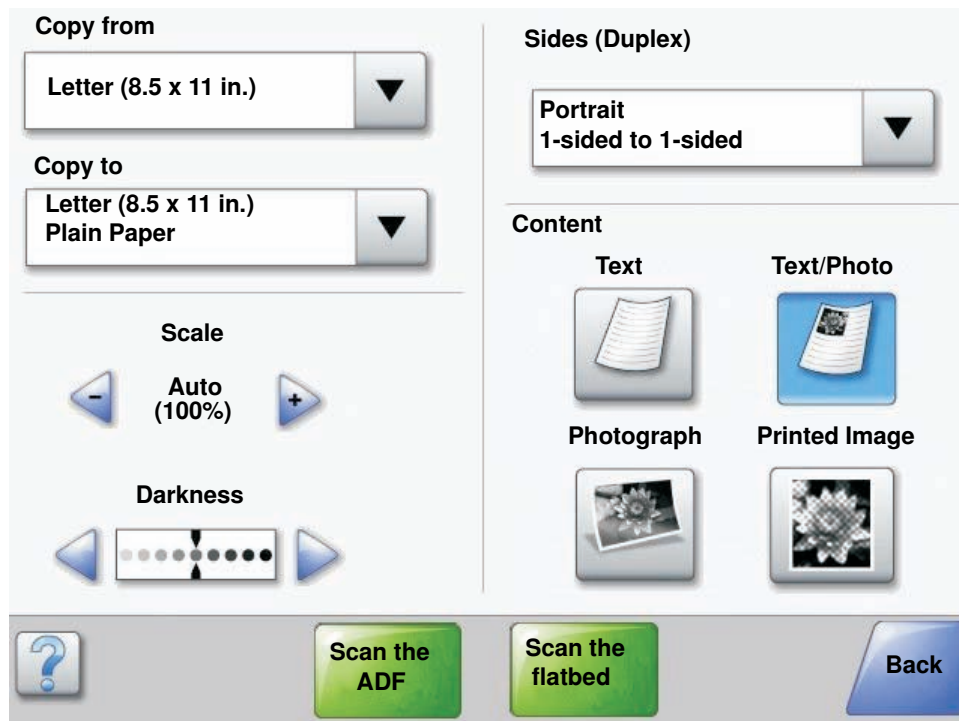
Button	Button name	Function
	Unlock Device	<p>This button appears on the screen when the MFP is locked. The control panel buttons and shortcuts cannot be used while it appears and no default copy starts may occur.</p> <p>To unlock the MFP:</p> <ol style="list-style-type: none"><li>1 Touch <b>Unlock Device</b> to open a PIN entry screen.</li><li>2 Enter the correct PIN to unlock the numeric keypad (0–9) and the Backspace button on the control panel.</li></ol> <p><b>Note:</b> If an invalid PIN is entered, <b>Invalid PIN.</b> appears. A pop-up screen appears with the Continue button shown. Touch <b>Continue</b>. The home screen returns with the Unlock Device button shown.</p>
	Cancel Jobs	<p>Open the Cancel Jobs screen. The Cancel Jobs screen shows any of the following items under three headings on the screen, which are Print, Fax, and Network:</p> <ul style="list-style-type: none"><li>• print job</li><li>• copy job</li><li>• fax</li><li>• profile</li><li>• FTP</li><li>• e-mail send</li></ul> <p>Each heading has its own list of jobs shown in a column under it. Each column can only show three jobs per screen. Each job appears as a button. If more than three jobs exist in a column, then the down arrow appears at the bottom of the column. Each touch of the down arrow accesses one job in the list. When more than three jobs exist, once the fourth job in the list is reached, then an up arrow appears at the top of the column. For illustrations of the up and down arrow buttons, see <b>Information on LCD touch-screen buttons on page 15</b>.</p> <p>To cancel a job, see the <i>User's Guide</i> for instructions.</p>

### ***Using the LCD touch-screen buttons***

The following section provides information on navigating through several screens. Only a few are chosen to demonstrate the use of the touch-screen buttons.

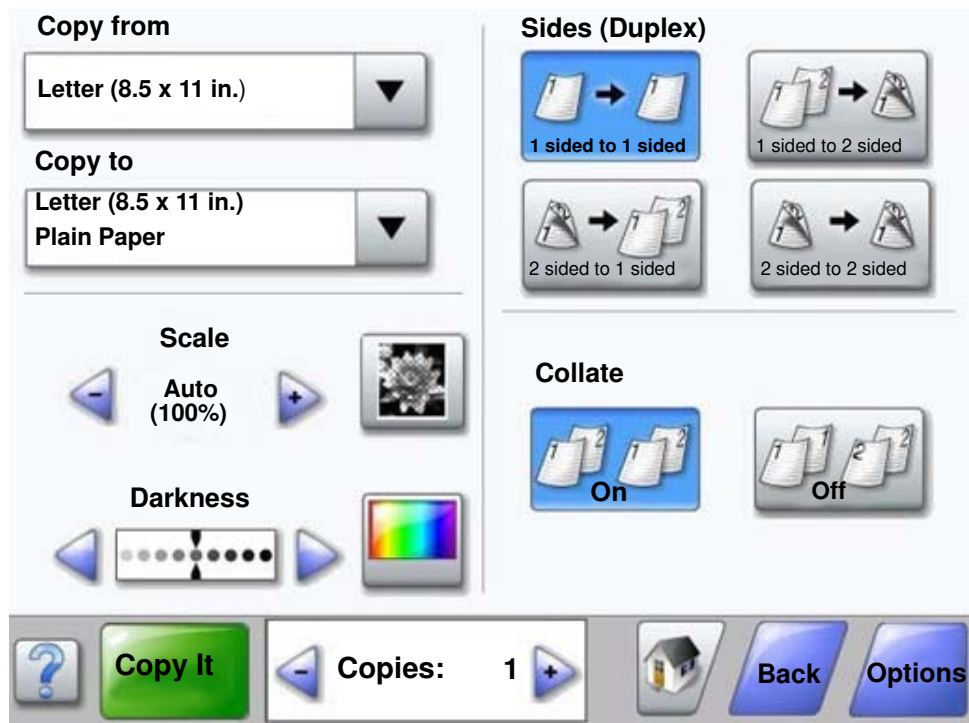
#### ***Sample screen one***

The touch screen appears as follows when the touch screen MFP is a mono printer.








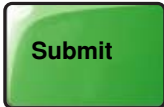


## Using the MFP menus

The touch screen appears as follows when the touch screen MFP is a color printer.





### Information on LCD touch-screen buttons

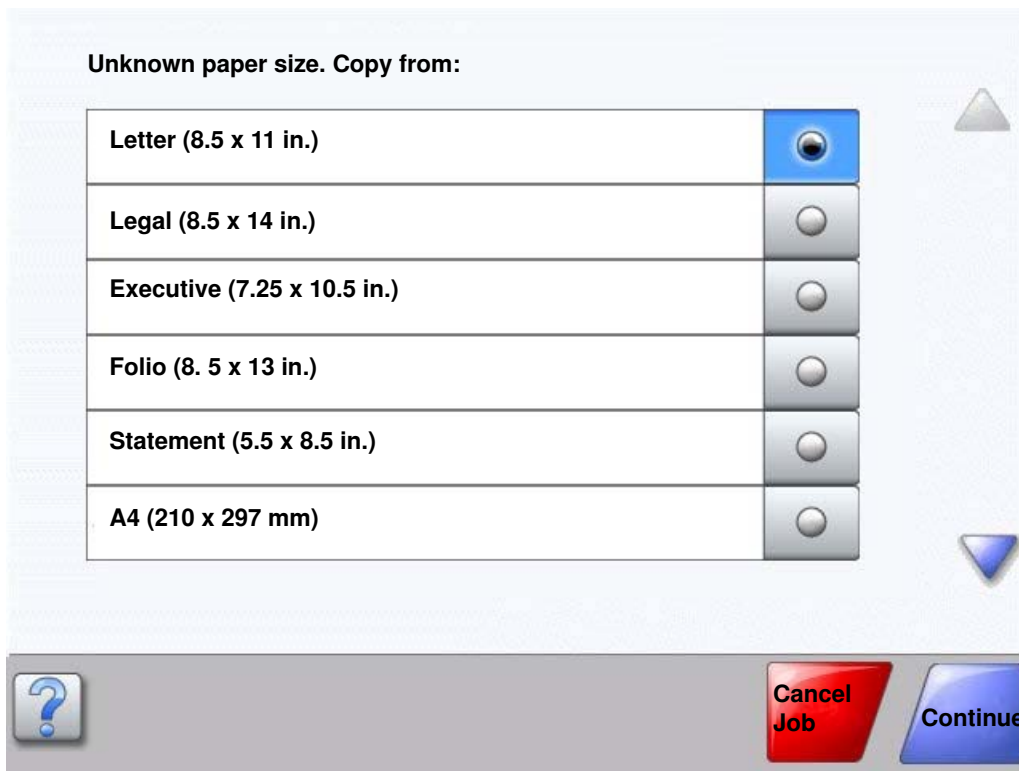
Button	Button name	Function or description
	Select	Touch the <b>select</b> button to have another screen appear with additional items. On the first screen, the user default setting is shown. Once the select button is touched, and the next screen appears, touching another item shown on the screen changes the user default setting.
	Left scroll decrease	Touch the <b>left scroll decrease</b> button to scroll to another value in decreasing order.
	Right scroll increase	Touch the <b>right scroll increase</b> button to scroll to another value in increasing order.
	Left arrow	Touch the <b>left arrow</b> button to scroll left to: <ul style="list-style-type: none"> <li>Reach a decreased value shown by an illustration.</li> <li>See a full text field on the left.</li> </ul>
	Right arrow	Touch the <b>right arrow</b> button to scroll right to: <ul style="list-style-type: none"> <li>Reach an increased value shown by an illustration.</li> <li>See a full text field on the right.</li> </ul>
  	Scan the ADF Scan the flatbed	On the gray navigation bar, these two choices indicate that two types of scanning are possible. One may choose to scan from the ADF or the flatbed.
	Submit	<p>A <i>green button</i> indicates a choice. If a different value within a menu item is touched, it needs to be saved to become the current user default setting. To save the value as the new user default setting, touch <b>Submit</b>.</p> <div style="text-align: center;"></div> <p>For information on user default settings, see <b>page 19</b>.</p>

## Using the MFP menus




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Button	Button name	Function or description
	Back	<p>When the Back button is shaped like this, no other navigation is possible from this screen except to go back. If any other choice is made on the navigation bar, the screen closes.</p> <p>For example, in <b>Sample screen one</b> all the selections for scanning have been made. One of the preceding green buttons should be touched. The only other button available is Back. Touch <b>Back</b> to return to the previous screen, and all the settings for the scan job made on Sample screen one are lost.</p>
	Back	<p>When the Back button is shaped like this, both forward and backward navigation is possible from this screen, so there are other options available on the screen besides selecting Back.</p>




### Sample screen two



### Information on LCD touch-screen buttons








Button	Button name	Function or description
	Down arrow	Touch the <b>down arrow</b> to move down to the next item in a list, such as a list of menu items or values. The down arrow does not appear on a screen with a short listing. It only appears if the entire listing cannot be seen on one screen. On the last screen of the listing, the down arrow is gray to indicate that it is not active since the end of the list appears on this screen.
	Up arrow	Touch the <b>up arrow</b> to move up to the next item in a list, such as a list of menu items or values. When on the first screen presented with a long list, the up arrow is gray to indicate that it is not active. On the second screen, which is needed to show the rest of the listed items, the up arrow is blue to show that it is active.
	Unselected radio button	This is an unselected radio button.

## Using the MFP menus

Button	Button name	Function or description
	Selected radio button	This is a selected radio button. Touch a <b>radio</b> button to select it. The radio button changes color to show that it is selected. In <b>Sample screen two</b> , the only paper size selected is Letter.
	Cancel Job	See <b>Cancel Jobs on page 10</b> .
	Continue	<p>Touch <b>Continue</b> after a menu item or value on a screen is selected and more changes need to be made for a job from the original screen. Once Continue is touched, the original screen appears.</p> <p>For example, if one touched <b>Copy</b> on the home screen, the Copy screen appears like <b>Sample screen one on page 11</b>. The following example shows how the Continue button reacts.</p> <ol style="list-style-type: none"> <li>1 Touch the <b>select</b> button by the <b>Copy to</b> box, and a new screen appears.</li> <li>2 Touch <b>MP Feeder</b>, and a new screen appears.</li> <li>3 Touch <b>Legal</b>, and a new screen appears.</li> <li>4 Touch <b>Next</b>, and a new screen appears.</li> <li>5 Touch <b>Plain Paper</b> for the type of print media needed.</li> <li>6 Touch <b>Continue</b>. The Copy screen returns to allow other selections besides Copy to. The other settings on the Copy screen available are Duplex, Scale, Darkness, Collate, and Copies.</li> </ol> <p>Touch <b>Continue</b> to return to the original screen and make other setting changes for a copy job before the <b>Copy it</b> button is touched to start the job.</p>





### Other LCD touch-screen buttons


Button	Button name	Function or description
	Custom	Allows for creating a <b>custom</b> button based on the user's needs.
	Cancel	Cancel an action or a selection, or cancel out of a screen and return to the previous screen.
	Select	Select a menu. The next screen appears showing menu items. Select a menu item. The next screen appears showing values.
	Done	Specify that a job is finished. For example, when scanning an original document, one can indicate that the last page is scanned, and then the print job begins.
	Back	Return to the previous screen without saving any settings from the screen. <b>Note:</b> The Back button appears on each menu screen except for the home screen.
	Home	Return to the home screen. <b>Note:</b> The Home button appears on every screen except the home screen. For more information, see the <b>Home screen on page 8</b> .
	Reset active bin	Define the active bin as the start bin (the first bin to receive printed output) in a set of linked bins. <b>Note:</b> This button only appears when the MFP is in a stopped state.

## Using the MFP menus

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Button	Button name	Function or description
	Grayed out button	When this button appears, it looks faded with a faded word on it. It means the button is not active or is unavailable on this screen. It was probably active on the previous screen, but the selections made on the previous screen caused it to be unavailable on the current screen. For an example, see <b>page 96</b> .
	Gray button	Touch this button to select the action appearing on the button. For an example, see <b>page 97</b> .

### Features

Feature	Feature name	Description
<u>Menus</u> → <u>Settings</u> → <u>Copy Settings</u> → Number of Copies	Menu trail line	A line is located at the top of each menu screen. This feature acts as a trail. It gives the exact location within the menus. Touch any of the underlined words to return to that menu or menu item. The Number of Copies is not underlined since this is the current screen.  If this feature is used on the Number of Copies screen before the Number of Copies is set and saved, then the selection is not saved, and it does not become the user default setting.
	Attendance message alert	If an attendance message occurs which closes a function, such as copy or fax, then a blinking red exclamation point appears over the function button on the home screen. This feature indicates an attendance message exists.

### Menus

*Factory defaults* are the function settings in effect the first time the MFP is turned on. These remain in effect until they are changed. To restore factory defaults, select the Restore value from the Factory Defaults menu item.

When a value or setting is selected and saved, it is stored in MFP memory. Once stored, these settings remain active until new ones are stored or the factory defaults are restored. These settings are called *user default settings* since the user selects and saves them.

**Note:** Settings chosen for faxing, scanning, e-mailing, and copying, and settings for printing from the application may override the user default settings.

### Menu map

The following menu map provides an overview of the menus and menu items available from the control panel. Select a menu or menu item for more details. For values or settings for each menu item, see the individual descriptions of menu items following the menu map. There can be an extra level in the menu hierarchy so that it is structured: menu, menu item, menu item (there can be several more menu items under a menu item), and values.

Click any of the following menus or menu items listed for more information:

#### **Paper Menu**

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

#### **Reports**

- Menu Settings Page
- Device Statistics
- Network Setup Page
- Wireless Setup Page
- Shortcut List
- Fax Job Log
- Fax Call Log
- E-mail Shortcuts
- Fax Shortcuts
- FTP Shortcuts
- Profiles List
- NetWare Setup Page
- Print Fonts
- Print Directory

#### **Network/Ports**

- TCP/IP
- IPv6
- E-mail Server Setup
- Wireless
- Standard Network
- Network <x>
- Standard USB
- USB <x>
- Standard Parallel
- Parallel <x>
- Serial <x>
- NetWare
- AppleTalk
- LexLink

#### **Settings**

- General Settings
- Copy Settings
- Fax Settings
- E-mail Settings
- FTP Settings
- Print Settings
- Security
- Set Date and Time

#### **Manage Shortcuts**

- Manage Fax Shortcuts
- Manage E-mail Shortcuts
- Manage FTP Shortcuts
- Manage Profile Shortcuts

#### **Help Pages**

- Print All
- Information Guide
- Copying
- E-mail
- Faxing
- FTP

**Note:** The factory default is indicated by an asterisk (\*) by the value in the following tables.

## Paper Menu

Use the **Paper Menu** to define settings relating to print media.

### Default Source

Use this menu item to define the default print media source.

Menu item	Purpose	Values and descriptions	
Default Source	Identifies the default print media source.	Tray <x>	If the same size and type of print media are in two sources (and the Paper Size and Paper Type menu items are correctly set), the sources are automatically linked. When one source is empty, print media automatically feeds from the next linked source.
		MP Feeder	
		Envelope Feeder	
		Manual Paper	
		Manual Env	Tray 1 is the factory default setting. x represents the tray number, such as Tray 1 for the standard tray and Tray 2 for an optional tray. <b>Note:</b> The MP Feeder value, which stands for the multipurpose feeder, is shown only when Configure MP is set to Cassette. See <b>Configure MP</b> for more information.

### Paper Size/Type

**Note:** Only installed print media sources appear for this menu item.

These menu items are used to set the size and type of print media loaded into a source, such as a tray, the multipurpose feeder, or the manual feed slot. Setting the size and type is a two-step process. In the first menu item, *Size* appears in bold letters. After selecting the print media size, the screen changes, and *Type* appears in bold letters. Select the print media type.

Menu item	Purpose	Values and descriptions	
Tray <x> Size	Identifies the default size for each source. Only installed sources appear. <b>Note:</b> For trays with automatic size sensing, only the value detected by the hardware appears.	A4* (non-US) A5 JIS B5 Letter* (US) Legal Executive Folio Statement Universal	If the same size and type of print media is in two sources (and the Paper Size and Paper Type menu items are correctly set), the sources are automatically linked. When one source is empty, print media automatically feeds from the next linked source.  See <b>Tray &lt;x&gt; Type</b> for more information.

## Using the MFP menus

Menu item	Purpose	Values and descriptions	
Tray <x> Type	Identifies the type of print media loaded in each source.  <b>Note:</b> If a user-defined name is available, it appears instead of <b>Custom Type &lt;x&gt;</b> . 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 Labels Vinyl Labels Bond Letterhead Preprinted Colored Paper Custom Type <x> (where x represents 1–6)	Use this menu item to: <ul style="list-style-type: none"> <li>Optimize print quality for the specified print media.</li> <li>Select sources through the software application by selecting type.</li> <li>Automatically link sources.</li> </ul> Any sources containing the same type and size of print media are automatically linked by the MFP if the Paper Size and the Paper Type are set to the correct values.
MP Feeder Size	Identifies the size of print media inserted 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 B5 Envelope C5 Envelope Other Envelope	The multipurpose feeder only appears on the control panel when Configure MP is set to Cassette.  <b>Note:</b> See <b>Configure MP</b> for more information.
MP Feeder Type	Identifies the type of print media inserted in the multipurpose feeder.  <b>Note:</b> If a user-defined name is available, it appears instead of <b>Custom Type &lt;x&gt;</b> . 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 Labels Vinyl Labels Bond Envelope Letterhead Preprinted Colored Paper Custom Type <x> (where x represents 1–6)	The multipurpose feeder only appears on the control panel when Configure MP is set to Cassette.  Custom Type 6 is the factory default for Custom Types.  <b>Note:</b> See <b>Configure MP</b> for more information.

## Using the MFP menus

Menu item	Purpose	Values and descriptions	
Envelope Feeder Size	Identifies the size of envelope inserted in the envelope feeder. This menu item appears only if the optional envelope feeder is installed.	7 3/4 Envelope 9 Envelope 10 Envelope* (US) DL Envelope* (non-US) C5 Envelope B5 Envelope Other Envelope	
Envelope Feeder Type	Identifies the type of envelope inserted in the envelope feeder. This menu item appears only if the optional envelope feeder is installed.	Envelope Custom Type <x> (where x represents 1–6)	<b>Note:</b> If a user-defined name is available, it appears instead of <b>Custom Type &lt;x&gt;</b> . If two or more custom types share the same name, the name only appears once in the Envelope Feeder Type value list.
Manual Paper Size	Identifies the print media size being manually loaded.	A4* (non-US) A5 JIS B5 Letter* (US) Legal Executive Folio Statement Universal	
Manual Paper Type	Identifies the print media type being manually loaded.	Plain Paper* Card Stock Transparency Labels Vinyl Labels Bond Letterhead Preprinted Colored Paper Custom Type <x> (where x represents 1–6)	
Manual Envelope Size	Identifies the envelope size being manually loaded.	7 3/4 Envelope 9 Envelope 10 Envelope (US)* DL Envelope (non-US)* B5 Envelope C5 Envelope Other Envelope	
Manual Envelope Type	Identifies the envelope type being manually loaded.	Envelope* Custom Type <x> (where x represents 1–6)	

### Configure MP

This menu item is used to configure the multipurpose feeder as another source or manual feeder. If the multipurpose feeder is linked with another tray, the MFP can select print media from the multipurpose feeder before selecting print media from another tray.

Menu item	Purpose	Values and descriptions	
Configure MP	Determines when the MFP selects print media loaded in the multipurpose feeder.	Cassette*	MFP treats the multipurpose feeder like any other tray. If a print job requests a size or type that is only loaded in the multipurpose feeder, the MFP pulls print media from the multipurpose feeder for the job.
		Manual	MFP treats the multipurpose feeder like a manual feed tray, and <b>Load Manual</b> appears when a single sheet of print media needs to be inserted in the feeder.
		First	MFP pulls print media from the multipurpose feeder until it is empty, regardless of the source or size requested for the job.

### Substitute Size

This menu item is used to determine whether the MFP can substitute another print media size if the requested size is not currently installed in any of the MFP sources. If, for example, Substitute Size is set to Letter/A4, and only letter size paper is installed in the MFP when a request is received to print on A4 paper, the MFP substitutes letter for A4 and prints the job instead of showing a change paper request.

Menu item	Purpose	Values and descriptions	
Substitute Size	The MFP substitutes the specified print media size if the requested size is not loaded.	Off	MFP prompts the user to load the requested paper size. No size substitutions are allowed.
		Statement/A5	Prints A5 size jobs on statement size paper if only statement size paper is loaded, and prints statement size jobs on A5 paper if only A5 paper is loaded.
		Letter/A4	Prints A4 size jobs on letter size paper if only letter size paper is loaded, and prints letter size jobs on A4 size paper if only A4 size paper is loaded.
		All listed*	Substitutes both Letter/A4 and Statement/A5 which means all available substitutions are allowed.

### ***Paper Texture***

These menu items are used to set the print media texture for each of the defined print media types. This allows the MFP to optimize the print quality for the specified print media.

Menu item	Purpose	Values and descriptions	
Plain Texture	Identifies the texture of the print media loaded in a specific source.	Smooth Normal* Rough	<b>Note:</b> The default for Bond Texture is Rough.
Transparency Texture			
Glossy Texture			
Labels Texture			
Bond Texture			
Envelope Texture			
Letterhead Texture			
Preprinted Texture			
Colored Texture			
Vinyl Labels Texture	Identifies the texture of the vinyl labels loaded in a specific source.	Smooth Normal* Rough	Shown if vinyl labels are supported in the specified source.
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 source.
Custom <x> Texture	Identifies the texture of the custom print media loaded in a specific source. (x represents 1–6.)	Smooth Normal* Rough	Shown if the custom type is supported in the specified source.

### ***Paper Weight***

These menu items are used to set the paper weight for each of the defined print media types. This allows the MFP to optimize the print quality for the print media weight.

Menu item	Purpose	Values and descriptions	
Plain Weight	Identifies the relative weight of the print media loaded in a specific source, and ensures the toner adheres properly to the printed page.	Light Normal* Heavy	<b>Note:</b> Card Stock is shown on the control panel only if it is supported in a specified source.
Card Stock Weight			
Transparency Weight			
Labels Weight			
Bond Weight			
Envelope Weight			
Letterhead Weight			
Preprinted Weight			
Colored Weight			



## Using the MFP menus

Menu item	Purpose	Values and descriptions	
Vinyl Labels Weight	Identifies the relative weight of the vinyl labels loaded in a specific source.	Light Normal* Heavy	Shown if vinyl labels are a supported type.
Custom <x> Weight	Identifies the relative weight of the custom paper loaded in a specific source. (x represents 1–6.)	Light Normal* Heavy	Shown if the custom type is supported in the specified source.

### Paper Loading

These menu items are used to set the loading orientation for each print media type. A source is loaded with preprinted print media, and then the MFP can be notified that the print media is loaded for duplex (two-sided) printing. Use the application software to indicate simplex (one-sided) printing. When simplex printing is selected, the MFP automatically inserts blank pages to print the simplex job correctly.

Paper Loading is only shown on the control panel if a duplex unit is installed.

Menu item	Purpose	Values and descriptions	
Card Stock Loading	Properly handles the specific preprinted print media whether the job is a duplex job (two-sided) or a simplex job (single-sided).	Duplex Off*	Duplex is for two-sided printing on the print media, and off indicates that duplex printing is turned off.
Labels Loading			
Bond Loading			
Letterhead Loading			
Preprinted Loading			
Colored Loading			
Vinyl Labels Loading		Duplex Off*	Shown if vinyl labels are supported in the specified source.
Custom <x> Loading	Properly handles preprinted custom paper whether the job is a duplex job (two-sided) or a simplex job (single-sided). (x represents 1–6.)	Duplex Off*	Shown if the custom type is supported in the specified source.

### Custom Types

This menu item is used to define a name for each custom paper type. Assign names using a utility such as MarkVision or from the control panel.

Menu item	Purpose	Values and descriptions	
Custom Type <x>	Specifies the type of print media associated with each Custom Type available in the Paper Type menu.	Paper* Card Stock Transparency Labels Vinyl Labels Envelope	The custom type print media must be supported in the designated source in order to assign a user-defined name.  Once the name is assigned, the name appears instead of <b>Custom Type &lt;x&gt;</b> .

### Custom Names

This menu item is used to define a custom name for each print media.

Menu item	Purpose	Values and descriptions	
<user-defined Custom Name>	Specifies the name of print media associated with each Custom Name <x> available in the Paper Type menu, where x is 1–6.	[user-defined name], such as: Stephen's labels Mary's card stock	The custom print media loaded in the designated source must be a supported media type in order for a user-defined name to be assigned.

### Custom Bin Names

This menu item is used to define a custom name for each output bin based on a person or the type of print media assigned to exit to a specific output bin.

Menu item	Purpose	Values and descriptions	
<user-defined Custom Bin Name>	Specifies the custom name of output bin <x>, where x is 1–10 based on the MFP model or the optional finisher, if one is attached.	[user-defined name], such as: Company's bin Lawyer's bin Mary's bin Stephen's bin	The custom output bin must be able to accept the type of print media assigned to exit to the defined bin in order for a user-defined name to be assigned.

### Universal Setup

These menu items are used to specify the height and width of the Universal Paper Size. When the height and width for Universal Paper Size are specified, the MFP uses the Universal setting like other paper sizes, including support for duplex and n-up. For more information on n-up, see **Multipage Print**.

Menu item	Purpose	Values and descriptions	
Units of Measure	Determines the unit of measure used to enter the Universal Height and Width.	Inches Millimeters	Inches is the US default, and Millimeters is the international default.
Portrait Width	Sets the portrait width of the universal media. <b>Note:</b> If the value set exceeds the maximum width, the MFP uses the maximum value allowed in inches or millimeters.	3–14.17 inches in 0.01 inch increments 76–360 mm in 1 mm increments	Shows either inches or millimeters from the Units of Measure setting; 8.5 inches is the US default, and 216 mm is the international default.

## Using the MFP menus

Menu item	Purpose	Values and descriptions	
Portrait Height	Sets the portrait height of the universal media. <b>Note:</b> If the value set exceeds the maximum height, the MFP uses the maximum value allowed in inches or millimeters.	3–14.17 inches in 0.01 inch increments 76–360 mm in 1 mm increments	Shows either inches or millimeters 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	Feed Direction is only shown if the Long Edge value is available. Long Edge exists if the longest edge is shorter than the maximum physical width that the tray can accommodate.  See <b>Duplex Bind on page 76</b> for more information about short and long edges.

### Bin Setup

This menu item is used to specify the output bin where the printed print media goes. This menu item only appears if at least one optional output bin is installed, and only installed output bins appear as values.

Menu item	Purpose	Values and descriptions	
Output Bin	Specifies the default bin for printed print media.  The number of bins listed are based on the number of bins installed.	Standard Bin* Bin 1 Bin 2 Bin 3 Bin 4 Bin 5 Bin 6 Bin 7 Bin 8 Bin 9 Bin 10	If a user-defined name is available for an output bin, then the name appears instead.  <b>Note:</b> If multiple output bins are assigned the same name, the name only appears once in the Output Bin value list.
Configure Bins	Determines which output bin(s) the MFP uses for a particular job.	Mailbox*	Sends print jobs to the output bin designated for that user.
		Link	Links two or more output bins together as though they were one large bin. When one linked output bin is full, the MFP starts filling the next linked bin and continues with each additional linked bin.  <b>Note:</b> The Link Optional value only appears when at least two optional output bins are installed.
		Link Optional	
		Mail Overflow	Sends print jobs to the output bin designated for the specific user until it is full, and then sends jobs to the designated overflow bin.
		Type Assignment	Links all optional output bins as though they were one large bin, while leaving the standard output bin individually addressable.

## Using the MFP menus

Menu item	Purpose	Values and descriptions	
Assign Type/ Bin	Sends print jobs to a specific output bin based on the requested paper type.  <b>Note:</b> This menu item only appears when Configure Bins appears and is set to Mailbox or Type Assignment.  If a user-defined name is available, it appears instead of <b>Custom &lt;x&gt; Bin</b> . If two or more output 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
		Labels Bin	Bin 2
		Bond Bin	Bin 3
		Envelope Bin	Bin 4
		Letterhead Bin	Bin 5
		Preprinted Bin	Bin 6
		Colored Bin	Bin 7
		Custom <x> Bin (<x> represents 1–10)	Bin 8 Bin 9 Bin 10
Overflow Bin	Sends print jobs to a specific output bin based on the requested paper type.	Standard Bin*	<b>Note:</b> Only installed output bins appear. If Configure Bins is set to Type Assignment, then the default is the Standard Bin.
		Bin 1	
		Bin 2	
		Bin 3	
		Bin 4	
		Bin 5	
		Bin 6	
		Bin 7	
		Bin 8	
		Bin 9	
		Bin 10	

## Reports

**Note:** After a report prints, the MFP returns to the home screen.

Each report prints using some standard print values, such as:

- one copy
- portrait orientation
- 600 dots per inch (dpi) print resolution
- normal print area
- no separator sheets
- duplex printing is set off
- multiple page printing is set off
- toner darkness is set to four
- media source is the user default

## Using the MFP menus

Menu item	Purpose	Values and descriptions	
Menu Settings Page	Prints information relating to: <ul style="list-style-type: none"> <li>• Current settings for each of the menu items for all menus</li> <li>• Cartridge information</li> <li>• A list of installed options and features</li> <li>• Available MFP memory</li> </ul>	After selecting this item, the page prints and the MFP returns to <b>Ready</b> .	
Device Statistics	Prints information relating to the MFP statistics.		
Network Setup Page <b>Network &lt;x&gt; Setup Page</b> appears if additional network options are installed.	Prints information relating to network settings and verifies the network connection. <b>Note:</b> This page also provides information that aids in configuring for network printing.		
Wireless Setup Page	Prints information relating to wireless settings. <b>Note:</b> This menu item appears when an optional wireless internal print server is installed.		
Shortcut List	Prints a list of previously defined shortcuts.		
Fax Job Log	Prints a list of pending fax jobs along with the most recent 200 fax tasks completed. <b>Note:</b> The menu item only appears when Enable Job Log is on.		
Fax Call Log	Prints a list of the of the last 100 fax calls made or answered by the MFP. <b>Note:</b> The menu item only appears when Enable Call Log is on.		
E-mail Shortcuts	Prints a list of the e-mail shortcuts.		
Fax Shortcuts	Prints a list of the fax shortcuts.		
FTP Shortcuts	Prints a list of the FTP shortcuts.		
Profiles List	Prints a list of profiles stored in the MFP.		
NetWare Setup Page	Prints a page listing the NetWare protocol settings.		
Print Fonts	Prints a sample of all the fonts available for the selected emulation.	PCL Fonts	Prints a sample of all MFP fonts available for PCL emulation.
		PostScript Fonts	Prints a sample of all MFP fonts available for PostScript emulation.
Print Directory	Prints a list of the resources that are stored on the optional flash memory card or the internal hard disk. <b>Note:</b> Print Directory is available on the control panel if either an optional nondefective flash memory or standard hard disk is installed and formatted.	After selecting this item, the page prints and the MFP returns to <b>Ready</b> .	

## Network/Ports

### TCP/IP

This menu item is used to view and change the Transmission Control Protocol/Internet Protocol settings. Internet Protocol (IP) specifies the format of packets, also called datagrams, and the addressing scheme. Most networks combine IP with a higher-level protocol called Transmission Control Protocol (TCP). TCP enables two hosts to establish a connection and exchange streams of data. TCP guarantees delivery of data and also guarantees that packets are delivered in the same order in which they were sent.

Menu item	Purpose	Values and descriptions	
Set Hostname			
Address	Defines a specific address on the network which defines the device.	IP address	4 field IP address Display only
Netmask	Defines information that the network uses to decide how to search for the specific IP address.	netmask	4 field mask Display only
Gateway	Provides the address of the machine that controls the communication for the sub-network.	gateway	4 field IP address Display only
Set static IP address		link	Link to the page to set a static IP address. Changing the IP address sets DHCP, BOOTP, and RARP to Off.
Enable DHCP	DHCP is Dynamic Host Configuration Protocol. The network automatically assigns a number for the network information.	On* Off	
Enable RARP	RARP is Reverse Address Resolution Protocol.	On* Off	
Enable BOOTP	BOOTP is Bootstrap Protocol.	On* Off	
AutoIP	Provides an automatic IP.	On* Off	
Enable FTP/TFTP	Allows files to be transferred to the device.  File Transfer Protocol (FTP) is the protocol used on the Internet for exchanging files. FTP uses the Internet TCP/IP protocols to enable data transfer.  TFTP is Trivial File Transfer Protocol, which is a simple form of FTP.	On*	
		Off	
HTTP Server Enabled	Specifies if Web pages can be seen. HyperText Transfer Protocol (HTTP) is the underlying protocol used by the World Wide Web (WWW). HTTP defines how messages are formatted and transmitted, and what actions Web servers and browsers should take in response to various commands.	On*	The function is enabled. Web pages can be seen.
		Off	The function is disabled.

## Using the MFP menus

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Menu item	Purpose	Values and descriptions	
WINS Server Address	<p>A server handles host names by assigning host names to IP addresses. Devices have a host name registered with the WINS server.</p> <p>Windows Internet Naming Service (WINS) is a system that determines the IP address associated with a particular network computer. This is called name resolution. WINS supports network client and server computers running Windows and can provide name resolution for other computers set with special arrangements.</p>	4 field IP address	
DNS Server Address	<p>Registers the host name with the DNS server. Enables name resolution for the e-mail server, FTP, and other host name entries.</p> <p>Domain Name System (or Domain Name Service) [DNS] is an Internet service that translates domain names into IP addresses. Domain names are alphabetic; therefore, they are easier to remember. The Internet is really based on IP addresses. Each time a domain name is used, a DNS service must translate the name into the corresponding IP address.</p>	4 field IP address	
Backup DNS Server Address	This is used if the DNS Server Address is not available.	4 field IP address	
Domain Search Order	Defines the search order of the domains.	text entry field	The search order is given in a comma delimited list, such as: myserver.com, myprinter.com
Restricted Server List	Defines a limited number of IP addresses.	text entry	This is a comma delimited list of up to 10 IP addresses allowed to make TCP connections. A zero (0) can be used as a wildcard in the list.
MTU	Defines the range of the communication type.	numeric entry	This is a range, such as 256–1500 Ethernet, 256–4096 Token-Ring.
Default TTL*		numeric entry	Gives the range in seconds, such as Range: 5–254 seconds.
DDNS		On*	
		Off	
mDNS		On*	
		Off	
Zero Configuration Name		text entry	Example: John's office printer.
SLP Broadcast		On*	
		Off	
LPD Timeout		numeric entry	The range is 0–65535 seconds.

## Using the MFP menus

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Menu item	Purpose	Values and descriptions	
LPD Banner Page		On	
		Off*	
LPD Trailer Page		On	
		Off*	
LPD Carriage Return Conversion		On	
		Off*	

### IPv6

Use this menu item to view or change Internet Protocol Version 6 (IPv6) settings.

**Note:** This menu item does not appear for non-network models.

Menu item	Purpose	Values and descriptions	
IPv6	Sets the network to IPv6 (Internet Protocol Version 6).	Enable IPv6	Yes*
			No
		Auto Configuration	On*
			Off
		Hostname	text entry field
		Address	text entry field
		Router Address	text entry field
		Enable DHCPv6	Yes*
			No



### ***E-mail Server Setup***

Menu item	Purpose	Values and descriptions	
Primary SMTP Gateway		IP address field	
Primary SMTP Gateway Port		numeric entry (25*)	
Secondary SMTP Gateway		IP address field	
Secondary SMTP Gateway Port		numeric entry (25*)	
SMTP Timeout		numeric entry 5–30 (30*)	The timeout numeric entry is a range of 5 to 30 seconds with 30 seconds as the default.
Authentication		header	
Server Requires Authentication		Yes No*	
Userid		text entry	
Password		text entry, plain text? if not need confirm	
Reply Address		text entry	This is a required item.
Subject		text entry	
Message		text entry	The text entry field has a limitation of 512 characters.
Send me a copy	Sends a copy of the e-mail back to the creator of the e-mail.	Never appears* On by default Off by default Always on	The user must be authenticated.
Max e-mail size	Specifies the maximum e-mail size in kilobytes. E-mail above the specified size is not sent.	numeric entry	Specify 0 (zero) for no limit.
Size error message	Sends a message when an e-mail is greater than the configured size limit.	text entry	
Limit destinations	Sends an e-mail only when the address contains the domain name, such as a company domain name. E-mail can only be sent to the specified domain.	@text entry	The limit is one domain. The @ is permanent before the text field. Example: @companydomain.com For the example, e-mails are only sent when the address ends with @companydomain.com.
Web Link Setup		header	
Server	Specifies the name of the server.	text entry	For example: server.mine.com
Login		text entry	
Password		password text entry	

## Using the MFP menus

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Menu item	Purpose	Values and descriptions	
Path	Defines the path name.	text entry	For example: /directory/path The following characters or symbols are invalid entries for a path name: * – asterisk : – colon ? – question mark < – less than symbol > – greater than symbol   – vertical bar
Base file name	Specifies the base file name. A timestamp is added to the end of the base file name.	text entry image*	The default value is the following word: image <b>Note:</b> There is a 53-character limit for the base file name. The following characters or symbols are invalid: * – asterisk : – colon ? – question mark < – less than symbol > – greater than symbol   – vertical bar A time stamp is added to the end of the base file name.
Web Link		text entry	Example: http://my.business.com/directory/path

### Wireless

The menu does not appear unless a wireless card is installed.

Menu item	Values
Mode	Infrastructure Ad hoc
Network Name	list of available network names print server*

### Standard Network or Network <x>

Use these menu items to change printer settings affecting jobs sent to the MFP through a network port, either Standard Network or Network <x>, where x represents 1 or 2.

Menu item	Purpose	Values and descriptions	
PCL SmartSwitch	Configures the MFP 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*	The MFP examines data on the network interface and selects PCL emulation if the data indicates that is the required printer language.
		Off	The MFP 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 <b>Setup Menu</b> if PS SmartSwitch is Off.
PS SmartSwitch	Configures the MFP 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*	The MFP examines data on the network interface connection and selects PostScript emulation if the data indicates that is the required printer language.
		Off	The MFP 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 <b>Setup Menu</b> if PCL SmartSwitch is Off.
NPA Mode	Specifies whether the MFP performs the special processing required for bidirectional communication, following the conventions defined in the Network Printing Alliance (NPA) Protocol. <b>Note:</b> Changing this menu item automatically resets the MFP.	Off	The MFP does not perform NPA processing.
		Auto*	The MFP examines the data to determine the format and then processes it appropriately.
Network Buffer	Configures the size of the network input buffer. <b>Note:</b> Changing the Network Buffer menu item automatically resets the MFP. Any permanent resources, such as fonts or macros, are lost.	Auto*	The MFP automatically calculates the Network Buffer size (recommended setting).
		3K to maximum size allowed (1K increments)	User specifies the Network Buffer size. The maximum size depends on the amount of memory in the MFP, 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 MFP hard disk before printing. This menu item only appears when a nondefective formatted hard disk is installed. <b>Note:</b> Changing this menu item automatically resets the MFP.	Off*	Does not buffer jobs to the hard disk.
		On	Buffers print jobs to the hard disk.
		Auto	Buffers print jobs only if the MFP is busy processing data from another input port.

## Using the MFP menus

Menu item	Purpose	Values and descriptions	
Mac Binary PS	Configures the MFP to process Macintosh binary PostScript print jobs.	On	The MFP processes raw binary PostScript print jobs from computers using the Macintosh operating system. <b>Note:</b> This setting often causes Windows print jobs to fail.
		Off	The MFP filters PostScript print jobs using standard protocol.
		Auto*	The MFP processes print jobs from computers using either Windows or Macintosh operating systems.

### Standard USB or USB <x>

These menus are only shown if a USB port is available. Use these menu items to change printer settings affecting a Universal Serial Bus (USB) port (USB <x>). x represents 1 or 2.

Menu item	Purpose	Values and descriptions	
PCL SmartSwitch	Configures the MFP 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*	The MFP examines the data on the USB port and selects PCL emulation if the data indicates that is the required printer language.
		Off	The MFP does not examine the incoming data. The MFP 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 MFP 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*	The MFP examines data on the USB interface and selects PostScript emulation if the data indicates that is the required printer language.
		Off	The MFP does not examine the incoming data. The MFP 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 MFP performs the special processing required for bidirectional communication, following the conventions defined in the Network Printing Alliance (NPA) Protocol. <b>Note:</b> Changing this menu item automatically resets the MFP once the menus are exited. It is reset to configure memory, and any permanent resources, such as fonts or macros, are lost.	On	The MFP performs NPA processing. If data is not in NPA format, it is rejected as bad data.
		Off	The MFP does not perform NPA processing.
		Auto*	The MFP examines the data to determine the format and then processes it appropriately.

## Using the MFP menus

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Menu item	Purpose	Values and descriptions	
USB Buffer	Configures the size of the USB input buffer. <b>Note:</b> Changing the USB Buffer menu item automatically resets the MFP. Any permanent resources, such as fonts or macros, are lost.	Disabled	Job buffering is disabled. Any jobs already buffered on the hard disk are printed before normal processing of incoming jobs resumes.
		Auto*	The MFP automatically calculates the USB Buffer size (recommended setting).
		3K to maximum size allowed (1K increments)	The user specifies the USB Buffer size. The maximum size depends on the amount of memory in the MFP, 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	This menu item is shown only when a formatted hard disk is installed. Temporarily stores jobs on the MFP hard disk before printing. <b>Note:</b> Changing the Job Buffering menu item automatically resets the MFP. It is reset to configure memory, and any permanent resources, such as fonts or macros, are lost.	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 MFP is busy processing data from another input port.
Mac Binary PS	Configures the MFP to process Macintosh binary PostScript print jobs.	On	The MFP filters PostScript print jobs using standard protocol.
		Off	The MFP processes raw binary PostScript print jobs from computers using the Macintosh operating system. <b>Note:</b> This setting often causes Windows print jobs to fail.
		Auto*	The MFP processes print jobs from computers using either Windows or Macintosh operating systems.
ENA Address	Sets the USB port ENA Address.	4 field IP address (0.0.0.0*)	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.		

### Standard Parallel or Parallel <x>

Use these menu items to change printer settings affecting jobs sent to the MFP through a parallel port, either Std Parallel or Parallel <x>, where x represents 1 or 2.

Menu item	Purpose	Values and descriptions	
PCL SmartSwitch	Configures the MFP 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*	The MFP examines data on the parallel interface and selects PCL emulation if the data indicates that is the required printer language.
		Off	The MFP does not examine the incoming data. The MFP uses PostScript emulation to process the job if PS SmartSwitch is On, or uses the default printer language specified in the <b>Setup Menu</b> if PS SmartSwitch is Off.
PS SmartSwitch	Configures the MFP 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*	The MFP examines data on the parallel interface and selects PostScript emulation if the data indicates that is the required printer language.
		Off	The MFP does not examine the incoming data. The MFP uses PCL emulation to process the job if PCL SmartSwitch is On, or uses the default printer language specified in the <b>Setup Menu</b> if PCL SmartSwitch is Off.
NPA Mode	Specifies whether the MFP performs the special processing required for bidirectional communication, following the conventions defined in the Network Printing Alliance (NPA) Protocol.  <b>Note:</b> Changing this menu item automatically resets the MFP. It is reset to configure memory, and any permanent resources, such as fonts or macros, are lost.	On	The MFP performs NPA processing. If data is not in NPA format, it is rejected as bad data.
		Off	The MFP does not perform NPA processing.
		Auto*	The MFP examines data, determines the format, and then processes it appropriately.
Parallel Buffer	Configures the size of the parallel input buffer.  <b>Note:</b> Changing this menu item automatically resets the MFP. It is reset to configure memory, and any permanent resources, such as fonts or macros, are lost.	Disabled	Disables job buffering. Any jobs already buffered on the hard disk are printed before normal processing of incoming jobs resumes.
		Auto*	The MFP automatically calculates the Parallel Buffer size (recommended setting).
		3K to maximum size allowed (1K increments)	The user specifies the Parallel Buffer size. The maximum size depends on the amount of memory in the MFP, 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.

## Using the MFP menus

Menu item	Purpose	Values and descriptions	
Job Buffering	<p>This menu item only appears when a formatted hard disk is installed.</p> <p>Temporarily stores jobs on the MFP hard disk before printing.</p> <p><b>Note:</b> Changing this menu item automatically resets the MFP. It is reset to configure memory, and any permanent resources, such as fonts or macros, are lost.</p>	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 MFP 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	<p>Determines whether the MFP 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.</p>	Off*	The MFP does not honor hardware initialization requests from the computer.
		On	The MFP honors hardware initialization requests from the computer.
Parallel Mode 2	<p>Determines whether the parallel port data is sampled on the leading or trailing edge of strobe.</p> <p>This menu item only appears when the associated parallel port supports this feature.</p>	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 MFP to process Macintosh binary PostScript print jobs.	On	<p>The MFP processes raw binary PostScript print jobs from computers using the Macintosh operating system.</p> <p><b>Note:</b> This setting often causes Windows print jobs to fail.</p>
		Off	The MFP filters PostScript print jobs using standard protocol.
		Auto*	The MFP processes print jobs from computers using either Windows or Macintosh operating systems.
ENA Address	Sets the parallel port ENA Address.	4 field IP address (0.0.0.0*)	Shown only if an ENA is attached through a parallel port.
ENA Netmask	Sets the parallel port ENA Netmask.		
ENA Gateway	Sets the parallel port ENA Gateway.		

### Serial <x>

Use these menu items to change printer settings affecting jobs sent to the MFP through an optional serial port.

Menu item	Purpose	Values and descriptions	
PCL SmartSwitch	Configures the MFP 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 MFP examines the data at the serial interface and selects PCL emulation if the data indicates that is the required printer language.  Off—The MFP does not examine the incoming data. The MFP uses PostScript emulation to process the job if PS SmartSwitch is On, or uses the default printer language specified in the <b>Setup Menu</b> if PS SmartSwitch is Off.
PS SmartSwitch	Configures the MFP 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 MFP examines the data at the serial interface and selects PostScript emulation if the data indicates that is the required printer language.  Off—The MFP does not examine the incoming data. The MFP uses PCL emulation to process the job if PCL SmartSwitch is On, or uses the default printer language specified in the <b>Setup Menu</b> if PCL SmartSwitch is Off.
NPA Mode	Specifies whether the MFP performs the special processing required for bidirectional communication, following the conventions defined in the Network Printing Alliance (NPA) Protocol.  <b>Note:</b> Changing this menu item automatically resets the MFP. It is reset to configure memory, and any permanent resources, such as fonts or macros, are lost.	On	The MFP performs NPA processing. If data is not in NPA format, it is rejected as bad data.
		Off	The MFP does not perform NPA processing.
		Auto*	The MFP examines the data to determine the format and then processes it appropriately.
Serial Buffer	Configures the size of the serial input buffer.  <b>Note:</b> Changing the Serial Buffer menu item automatically resets the MFP. Any permanent resources, such as fonts or macros, are lost.	Disabled	The MFP disables job buffering. Any jobs already buffered on the hard disk are printed before normal processing of incoming jobs resumes.
		Auto*	The MFP automatically calculates the Serial Buffer size (recommended setting).
		3K to maximum size allowed (1K increments)	The user specifies the Serial Buffer size. The maximum size depends on the amount of memory in the MFP, 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.



## Using the MFP menus

Menu item	Purpose	Values and descriptions	
Job Buffering	<p>This menu item only appears when a formatted hard disk is installed.</p> <p>Temporarily stores jobs on the MFP hard disk before printing.</p> <p><b>Note:</b> Changing the Job Buffering menu item automatically resets the MFP. It is reset to configure memory, and any permanent resources, such as fonts or macros, are lost.</p>	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 MFP 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	<p>Determines whether the MFP communicates availability to the computer.</p> <p>This menu item only applies to the serial port if Serial Protocol is set to XON/XOFF.</p>	Off*	The MFP waits to receive data from the computer.
		On	The MFP sends a continuous stream of XONs to the host computer to indicate that the serial port is ready to receive more data.
Baud	<p>Specifies the rate at which data can be received through the serial port.</p> <p><b>Note:</b> 138200, 172800, 230400, and 345600 baud rates appear in the Standard Serial menu. These values do not appear 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	Specifies the number of data bits that are sent in each transmission frame.	7	
		8*	
Parity	Sets the parity for serial input and output data frames.	Even	
		Odd	
		None*	
		Ignore	

## Using the MFP menus

Menu item	Purpose	Values and descriptions	
Honor DSR	<p>Determines whether the MFP 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 <b>On</b> 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 these menu items to view or change the printer NetWare settings.

Menu item	Purpose	Values and descriptions	
View Login Name	Shows the field used to assign the NetWare login name.	text entry Enter the Login Name. Thereafter, select <b>Login Name</b> to show the NetWare name on the control panel.	
View Print Mode	Assigns the NetWare print mode.	Pserver* Rprinter	
View Network Number	Shows the field used to assign the NetWare number.	text entry Enter the Netware number. Thereafter, select <b>View Network Number</b> to show the NetWare network number on the control panel.	
Activate	Activates or deactivates the NetWare feature.	Off On*	Off—Deactivates the NetWare feature. On—Activates the NetWare feature.
Ethernet 802.2	Sets the Ethernet 802.2 value On or Off.	On* Off	IPX Frame Types, which allow the adapter to initiate conversations, are used.
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*	This is the broadcast search method on the Web pages.

### ***AppleTalk***

Use these menu items to view or change the printer AppleTalk settings.

Menu item	Purpose	Values and descriptions	
View Name	Shows the assigned AppleTalk name.	Select <b>Name</b> to show the AppleTalk name on the control panel.	
View Address	Shows the assigned AppleTalk address.	Select <b>Address</b> to show the AppleTalk address on the control panel.	
Activate	Activates or deactivates the AppleTalk feature.	Off On*	Off—Deactivates the AppleTalk feature. On—Activates the AppleTalk feature.
Set Zone	Provides a list of zones from the network.	* list of zones from the network	The default is the default zone for the network. If no default zone exists on the network, the * is the default.

### ***LexLink***

Use these menu items to view the LexLink name or change the LexLink activation.

Menu item	Purpose	Values and descriptions	
View Nickname	Shows the field used to assign the LexLink nickname.	text entry Enter the nickname. Thereafter, select <b>Nickname</b> to show the LexLink nickname on the control panel.	
Activate	Activates or deactivates the LexLink feature.	On* Off	On—Activates the LexLink feature. Off—Deactivates the LexLink feature.

## Settings

### General Settings

Use these menu items to set various MFP settings.

Menu item	Purpose	Values and descriptions	
Display Language	To determine the language of the text on the control panel LCD.	English*	(English)
		Français	(French)
		Deutsch	(German)
		Italiano	(Italian)
		Español	(Spanish)
		Dansk	(Danish)
		Norsk	(Norwegian)
		Nederlands	(Dutch)
		Svenska	(Swedish)
		Português	(Brazilian-Portuguese)
		Suomi	(Finnish)
		Русский	(Russian)
		Polski	(Polish)
Keyboard Type	Specifies the type of virtual alphanumeric keyboard that appears on the control panel.	English*	(English)
		Français	(French)
		Français Canadien	(French-Canadian)
		Deutsch	(German)
		Italiano	(Italian)
		Español	(Spanish)
		Dansk	(Danish)
		Norsk	(Norwegian)
		Nederlands	(Dutch)
		Svenska	(Swedish)
		Suomi	(Finnish)
		Português	(Brazilian-Portuguese)
		Русский	(Russian)
		Polski	(Polish)
Custom Key 1	Allows for .co.uk type addresses.	text field null	.com is the default text in the field. The text entry field is limited to six characters. and periods are considered characters, too. If the text field is null or empty, the associated Custom Key does not appear on the keyboard.

## Using the MFP menus

Menu item	Purpose	Values and descriptions	
Custom Key 2	Allows for .co.uk type addresses.	text field null	.org is the default text in the field. The text entry field is limited to six characters. (Periods are considered characters, too.) If the text field is null or empty, the associated Custom Key does not appear on the keyboard.
General Defaults	Specifies the defaults based on geographical location.	U.S.	Setting the menu item to one of the values affects these settings: <ul style="list-style-type: none"> <li>• Tray &lt;x&gt; (where x is the number of the tray), MP Feeder, and Manual Pap (Letter/A4)</li> <li>• Manual Env (10 Envelope, DL Envelope)</li> <li>• MP Feeder Paper Size</li> <li>• Copy Original Size</li> <li>• Fax Send Original Size</li> <li>• E-mail Original Size</li> <li>• FTP Original Size</li> <li>• Universal Units of Measure (mm/inches)</li> <li>• Date Time Format <ul style="list-style-type: none"> <li>– MM_DD_YYYY for U.S.</li> <li>– DD_MM_YYYY for International</li> </ul> </li> </ul>
		International	
Show initial prompts	Sets the MFP to show initial prompts after the device is powered on so the user can complete the setup.	Yes* No	When the MFP is powered on the first time, the default is Yes. After the user completes the setup wizard and selects Done at the Country select screen, the default is No.
Date Format	Specifies the format based on the geographical location.	MM-DD-YYYY* DD-MM-YYYY* YYYY-MM-DD	Month, Day, and Year (U.S.) Day, Month, Year (International) (* Denotes a country/region-specific factory default value)
Time Format	Specifies if the format is for a 12-hour clock or for a 24-hour clock.	12 hour A.M./P.M. 24 hour clock	12 A.M.–12 P.M., 12:01 P.M.–11:59 P.M. 00:00–24:00
Screen Brightness	Adjusts the brightness of the LCD on the control panel.	20–100 (100*)	
Show Bookmarks		On* Off	When set to No, the Bookmarks container is not shown in Held Jobs.
Allow Custom Job scans	Controls the show and hide function for the Custom Job setting and the Custom Job scanning settings for each function. The Custom Job scanning settings set the default values for Custom Job for each function. They are not shown if custom jobs are not allowed.  This function is also known as Job Build.  Custom Job is not supported on all models.	Yes* No	This menu item controls hide or show for the user interface Custom Job setting as well as the Custom Job scanning settings for each function. The Custom Job scanning settings set the default values for Custom Job for each function.
Scanner jam recovery	Determines if the MFP recovers an entire print job or just the page of the print job when a scanner jam occurs.	Job level*	Custom jobs may not recover at the job level.
		Page level	Custom jobs always recover at the page level.

## Using the MFP menus

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Menu item	Purpose	Values and descriptions	
Web Page Refresh Rate		30–300 (120*)	The range is in seconds.
Contact Name		text field NULL*	
Location		text field NULL*	
Alarms Controls whether the MFP sounds an alarm when the device requires operator intervention.		Alarm Control Off Single* Continuous	Alarm Control sets the function of each alarm.  Off—MFP does not sound an alarm. Single—MFP sounds three quick beeps. Continuous—MFP repeats three beeps every 10 seconds.  Toner Alarm activates when the print cartridge or a toner cartridge is low on toner. <b>Note:</b> Staple alarm appears only when an optional finisher is installed.
		Toner Alarm Off* Single Continuous	
		Staple Alarm Off* Single Continuous	

## Using the MFP menus

Menu item	Purpose	Values and descriptions	
Timeouts	<p>Specifies the amount of time the MFP waits to return to the home screen, receive an end-of-job message, or receive additional bytes of data from the computer.</p> <p><b>Note:</b> Wait Timeout is only available when using PostScript emulation. This menu value has no effect on PCL emulation print jobs.</p>	Standby Mode Disabled 1–240 (15*)	<p>Touch the LCD screen or press any of the hard buttons to exit (wake up) from this mode.</p> <p>Disabled—Disables Standby Mode.</p> <p>1–240—Specifies the amount of time in minutes that the MFP waits before returning to the home screen.</p>
		Power Saver Mode Disabled 2–240 (60*)	<p>It sets the number of minutes that pass after exiting Standby Mode before the MFP goes into a reduced power state called Power Saver Mode.</p> <p>If Standby Mode is disabled, which is considered a setting of 0, then Power Saver Mode is the number of minutes of inactivity that occurs before entering Power Saver Mode.</p> <p>Print the menu settings page to determine the current Power Saver setting. When the MFP is in Power Saver Mode, it is still ready to receive print jobs.</p> <p>Disabled—Disables Power Saver Mode. Disabled is not available if Energy Conserve is set to On.</p> <p>2–240 (60*)—Specifies the amount of time after exiting Standby Mode or after finishing a print job before the MFP goes into Power Saver mode.</p> <p>For example, select 15 to put the MFP in Power Saver mode 15 minutes after it finishes a print job. This uses much less energy, but requires more warm-up time for the MFP. Select 15 if your MFP shares an electrical circuit with room lighting and you notice lights flickering. Select a high value if the MFP is in constant use. Under most circumstances, this keeps the MFP ready to print with minimum warm-up time. Select a value between 1 and 240 minutes for a balance between energy consumption and a shorter warm-up period.</p> <p><b>Note:</b> When the MFP enters Power Saver Mode, for the entire duration in this mode, Screen Brightness is set to 15. Touch the LCD screen or press any of the hard buttons to exit (wake up) from this mode.</p>
		Screen Timeout 15–300 (30*)	<p>Disabled—Disables Screen Timeout.</p> <p>15–300—Specifies the amount of time in seconds before the control panel returns to the home screen due to inactivity.</p>

## Using the MFP menus

Menu item	Purpose	Values and descriptions	
Timeouts (continued)		Print Timeout Disabled 1–255 (90*)	Disabled—Disables Print Timeout. 1–255—Specifies the amount of time in seconds the MFP waits for an end-of-job message before canceling the remainder of the print job. <b>Note:</b> When the timer expires, any partially formatted page still in the MFP is printed, and other input ports are examined to see if data exists.
		Wait Timeout Disabled 15...65535 (40*)	Disabled—Disables Wait Timeout. 15...65535—Specifies the amount of time in seconds the MFP waits for additional data before it cancels the job.
		Network Job Timeout Disabled 1–255 (90*)	Disabled—Disables Network Job Timeout. 1–255—Specifies the amount of time in seconds the MFP waits before canceling a network job. If a value between 1 to 9 is selected, the setting is saved as 10.
Print Recovery	Specifies whether the MFP 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 MFP automatically continue from certain offline situations when not resolved within the specified time period. Disabled—Disables Auto Continue. 5–255—Specifies the amount of time in seconds that the MFP waits.
		Jam Recovery On Off Auto*	Specifies whether the MFP reprints jammed pages. On—The printer reprints jammed pages. Off—The printer does not reprint jammed pages. Auto—The printer reprints a jammed page unless the memory required to hold the page is needed for other MFP tasks.
		Page Protect Off* On	Successfully prints a page that may otherwise generate <b>Complex Page</b> 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. <b>Note:</b> If, after selecting On, the page still cannot print, reduce the size and number of fonts on the page, or increase the installed printer memory. <b>Note:</b> For most print jobs, On is not needed. When On is selected, printing may be slower.



## Using the MFP menus

Menu item	Purpose	Values and descriptions	
Printer Language	Specifies the default printer language used to communicate data from the computer to the MFP. <b>Note:</b> This menu item is not available from the control panel. It is only available on the MFP Embedded Web Server. 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*	PCL emulation—Uses a PCL interpreter for incoming host communications. PostScript emulation—Uses a PS interpreter for incoming host communications.
Print Area	Modifies the logical and physical printable area. <b>Note:</b> This menu item is not available from the control panel. It is only available on the MFP Embedded Web Server.	Normal* Whole Page	<b>Note:</b> The Whole Page setting only affects pages printed using PCL 5 interpreter. This setting has no effect on pages printed using the PCL XL or PostScript interpreters. If attempting to print any data in the non-printable area defined by Normal Print Area, the MFP clips the image at the boundary defined by the Normal defined printable area.
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 MFP is turned off. <b>Note:</b> This menu item is not available from the control panel. It is only available on the MFP Embedded Web Server.	RAM*	All downloaded resources are automatically stored in printer memory (RAM).
		Flash	All downloaded resources are automatically stored in flash memory. <b>Note:</b> Flash appears as a menu item if a formatted, nondefective optional flash memory card which is not Write or Read/Write password protected is installed.
		Disk	All downloaded resources are automatically stored on the hard disk. <b>Note:</b> Disk appears as a menu item if a formatted, nondefective hard disk that is not Write or Read/Write password protected is installed.
Job Accounting	Specifies to store or not store statistical information about the 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 print media size and type, the total number of printed pages, and the number of copies requested. <b>Note:</b> This menu item is not available from the control panel. It is only available on the MFP Embedded Web Server.	Off*	The MFP does not store job statistics on the hard disk.
		On	The MFP stores job statistics for the most recent print jobs.

## Using the MFP menus

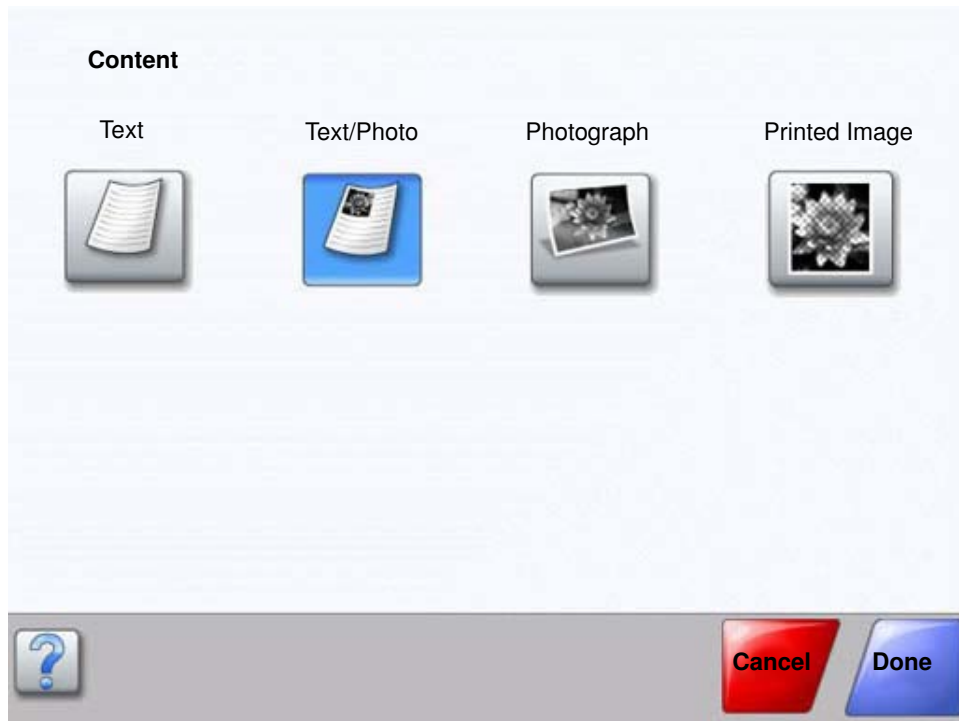
Menu item	Purpose	Values and descriptions	
Resource Save	<p>Specifies what the MFP does with downloaded resources, such as fonts and macros stored in RAM, if the MFP receives a job that requires more memory than is available.</p> <p><b>Note:</b> This menu item is not available from the control panel. It is only available on the MFP Embedded Web Server.</p>	Off*	The MFP retains downloaded resources only until memory is needed. It then deletes those resources associated with the inactive printer language.
		On	The MFP retains all downloaded resources for all printer languages during language changes and MFP resets. If the MFP runs out of memory, <b>38 Memory Full</b> appears.
Banner Page	<p>Specifies if the print job should be printed as a Banner Page.</p> <p><b>Note:</b> This menu item is not available from the control panel. It is only available on the MFP Embedded Web Server.</p>	Off* On	<p>To set to Off, clear the check box.</p> <p>To set to On, select the check box.</p>
Factory Defaults	Returns MFP settings to the factory default values.	Restore Now	<ul style="list-style-type: none"> <li>All menu items are returned to the factory default values except: <ul style="list-style-type: none"> <li>Display Language</li> <li>All settings in the Fax, E-mail, and FTP Settings menu items, the Standard Parallel and Parallel &lt;x&gt; menu items, the Standard Serial and Serial &lt;x&gt; menu items, the Standard Network and Network &lt;x&gt; menu items, and the Standard USB and USB &lt;x&gt; menu items</li> </ul> </li> <li>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.)</li> </ul>
		Do Not Restore*	User-defined settings remain.

### Copy Settings

Use these menu items to set the MFP for settings related to copying.

Menu item	Purpose	Values and descriptions	
Content	Specifies the type of content contained in the copy job. This menu item appears for mono and color printers. See the difference in the touch screens with the examples as follows.	Text	The copy job contains mostly text or line art.
		Text/Photo*	The copy job contains a mixture of text and graphics.
		Photograph	The copy job is a high quality photograph or high quality inkjet print that is primarily composed of images.
		Printed image	The copy job is halftoned, such as documents printed on a laser printer or pages from a magazine that are primarily composed of images. A <i>halftone</i> is a collection of black and white dots arranged to simulate the brightness values of grayscale images.  For the difference between the Content touch screen and the Content/Color screen, see page <b>51</b> for the Content screen and page <b>52</b> for the Content/Color screen.

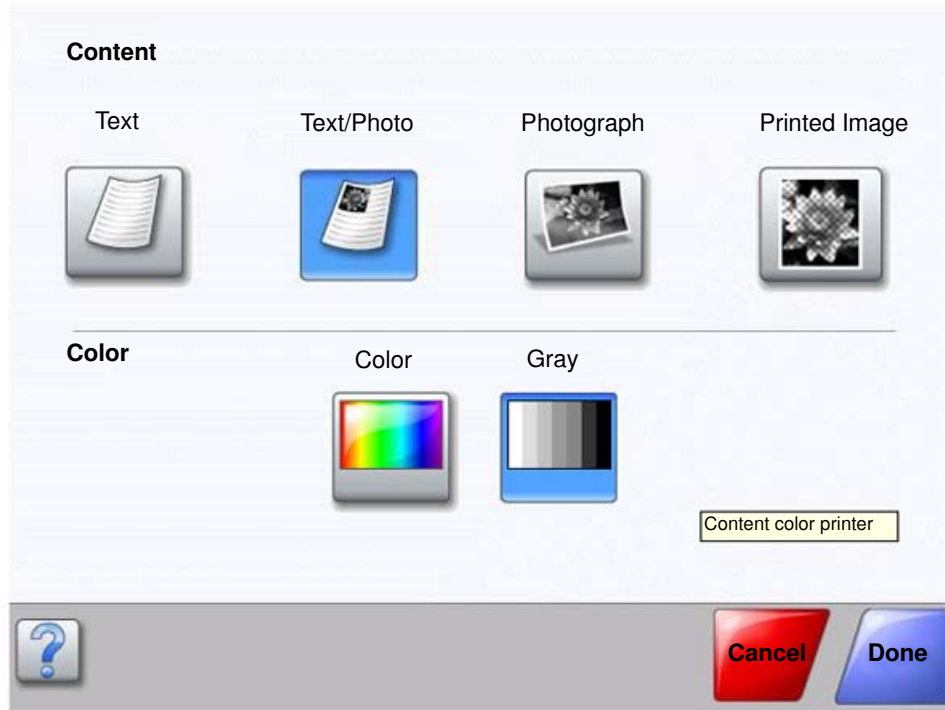
Content screen



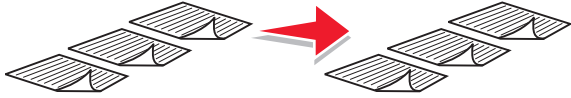
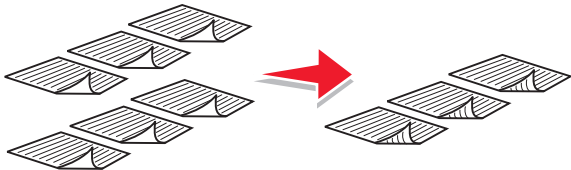
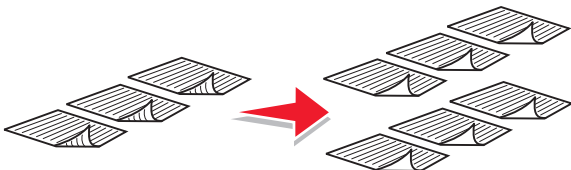
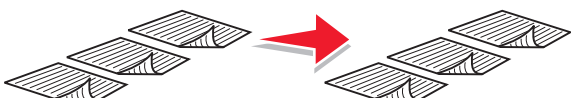
## Using the MFP menus

Menu item	Purpose	Values and descriptions	
Color	This menu item only appears for color printers.	Color Gray	<p>Touch Color for a copy job that is printed in color.</p> <p>Touch Gray for a Black/White copy job that is printed in shading from white to black with all the shades of gray in between.</p> <p>For the difference between the Content touch screen and the Content/Color screen, see page <b>51</b> for the Content screen and page <b>52</b> for the Content/Color screen.</p>

Content/Color screen



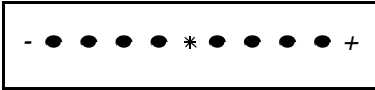

## Using the MFP menus

Menu item	Purpose	Values and descriptions	
Duplex	<p>To specify if an original document is duplex (two-sided) or simplex (one-sided) when making a copy based on whether the sheets in the original document are simplex or duplex.</p> <p>If an optional duplex unit is not installed, then two-sided output cannot be selected. Only one-sided to one-sided or two-sided to one-sided is available for scanning.</p> <p>The orientation of each sheet defaults to portrait. The binding defaults to long edge. See <b>Duplex Bind on page 76</b> for information on long edge binding.</p>	1 sided to 1 sided*	<p>The original draft placed in the ADF has printing on one side of a sheet of paper. The requested copy is one-sided, so each copied sheet only has an image on one side of the sheet. The copy mimics the original exactly.</p> 
		1 sided to 2 sided	<p>The original draft has printing on one side of a sheet of paper. The requested copy is two-sided, so an image of an original page is placed on each side of a copied sheet. For example, if the original is six sheets, the copy is three sheets with printing on both sides.</p> 
		2 sided to 1 sided	<p>The original draft has printing on both sides of a sheet of paper. The requested copy is one-sided, so each copied sheet only has an image on one side of the sheet. For example, if the original draft is three sheets of paper with an image on each side of each sheet, then the copy is six sheets with only one image on one side of each sheet.</p> 
		2 sided to 2 sided	<p>The original draft placed in the ADF has printing on both sides of a sheet. The requested copy of the original is two-sided, also. The copy mimics the original exactly.</p> 
Paper Saver	Specifies how many images of pages from a print job to place on one printed page of print media.	Off*	Places the image of one page from the print job onto one printed page.
		2 on 1 Portrait	Places the images of two pages from the print job onto one printed page with portrait orientation.
		2 on 1 Landscape	Places the images of two pages from the print job onto one printed page with landscape orientation.
		4 on 1 Portrait	Places the images of four pages from the print job onto one printed page with portrait orientation.
		4 on 1 Landscape	Places the images of four pages from the print job onto one printed page with landscape orientation.

## Using the MFP menus

Menu item	Purpose	Values and descriptions	
Print Page Borders	Specifies if a border is printed around the edge of the page at the margins.	On*	A page border prints when Paper Saver is set to 2 on 1 Portrait, 2 on 1 Landscape, 4 on 1 Portrait, or 4 on 1 Landscape.
		Off	A page border does not print.
Collate	To keep the pages of a print job stacked in sequence when making multiple copies of the job.	On*	Copies the entire job the number of times specified. For example, if you set Copies to 2 and have three pages to copy, the MFP output is page 1, page 2, page 3, page 1, page 2, page 3.
		Off	Copies each page of a job the number of times specified. For example, if you set Copies to 2 and have three pages to copy, the MFP output is page 1, page 1, page 2, page 2, page 3, page 3.
Staple	Specifies if the stapler is turned on or off.	Off* 1 staple	The menu item displays when a finisher with a stapler is installed.
Original Size	Provides a list of possible scanner sizes to select from to specify the size of the original copy document.	Letter (8.5 x 11 in.)* Legal (8.5 x 14 in.) Executive (7.25 x 10.5 in.) Folio (8.5 x 13 in.) Statement (5.5 x 8.5 in.) A4 (210 x 297 mm)* A5 (148 x 210 mm) JIS-B5 (182 x 257 mm) Auto Size Sense Mixed Sizes	(* Denotes a country/region-specific factory default value.) Auto Size Sense determines a single size for a job. When the MFP is unable to determine a size, the user is prompted to determine the size of the scan window. A default size needs to be pre-selected on the LCD.
Copy To Source	Provides a list of possible print media sources to send the copy job to for printing.	Tray 1* MP Feeder Tray 2	Tray 2 is not listed as a selection in the values list unless an optional drawer is installed. An envelope feeder cannot be a value even if one is installed.
Transparency Separators	Places a sheet of paper between transparencies.	On* Off	Select On to have sheets placed between transparencies. Select Off to not have sheets placed between transparencies.
Separator Sheets	Places a sheet of paper between pages, copies, or jobs based on the value selected.	None* Between Copies Between Jobs Between Pages	
Separator Source	Provides a list of possible print media sources where the separator sheets could be accessed.	Tray 1* MP Feeder Tray 2	Tray 2 is not listed as a selection in the values list unless an optional drawer is installed. An envelope feeder cannot be a value even if one is installed.

## Using the MFP menus

Menu item	Purpose	Values and descriptions	
Darkness	Specifies the level of darkness for the copy job.	1–9 (5*)	<p>A graphic representation depicts the values. As the <b>right</b> or <b>left scroll</b> button is touched, the asterisk moves back and forth on the line. 1 is next to the - and 9 is next to the +. As shown, 5 is the current value.</p> 
Output Bin	Specifies the bin which receives the copy once it is printed.	*Standard Bin [list of available bins]	This menu item displays when at least one optional output bin is installed.
Number of Copies	Specifies the number of copies for the copy job.	1–999 (1*)	
Overlay	<p>Specifies the selection for overlay text to print on each page of the copy job.</p> <p>The overlay looks similar to the following on a page:</p> 	Confidential Copy Draft Urgent Custom Off*	<p>The Custom value is not shown unless text is entered into the Custom Overlay text field from the EWS page. The text used for the overlay is what the user entered on the EWS page, but Custom must be selected in the menu for the text to be printed as an overlay on each page.</p>
Custom Overlay	Specifies a custom overlay.	text entry field	Use the text entry field to specify a custom overlay. The field has a 64-character limit.
Allow priority copies	Allows interruption to a network print job, so the MFP may be used as a copier to copy a page or document.	On*	Interrupts the print job at the next page.
		Off	Interrupts the print job at the next job boundary which means between incoming individual print jobs.
Custom Job scanning	<p>Specifies if Custom Job scanning is On or Off.</p> <p>This is also known as Job Build.</p> <p>Custom Job is not supported on all models.</p>	On Off*	<p>To set to On, select the check box.</p> <p>To set to Off, clear the check box.</p>
Background Removal	Adjusts the amount of background visible on a copy.	-4 to +4 (0*)	<p>-4 sets Background Removal to off.</p> <p>+4 sets Background Removal to the maximum allowed.</p>
Contrast	Specifies the contrast used for the copy job. The default is dependent on the Content menu item. If the Content menu item is reset from the default setting, then the default for Contrast is reset, also.	0–5	<p>Text default is 5.</p> <p>The default is 0 for items other than text.</p>

## Using the MFP menus

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Menu item	Purpose	Values and descriptions	
Shadow Detail	Adjusts the amount of shadow detail visible on a copy.	-4 to +4 (0*)	-4 preserves the least amount of shadow detail. +4 preserves the most shadow detail.
Scan edge to edge	Specifies if the original document is scanned edge-to-edge prior to making copies.	Off* On	

### ***Fax Settings***

Use these menu items to set the MFP for settings related to faxing.

Menu item	Purpose	Values and descriptions	
Fax Mode	Sets which fax method or mode is used.	Analog Fax Server	If the MFP does not have a modem, this menu item does not appear.
Analog Fax Setup	Specifies the link to analog fax setup. With analog fax, the fax method is by a telephone line.	link	If the MFP does not have a modem, Fax Setup link does not appear.
Fax Server Setup	Specifies the link for fax server setup. The fax job is sent to a fax server for transmission.	link	

### **Analog Fax Setup**

With analog fax, the fax method is by a telephone line. Use the following menu items to set up analog fax.



### General Fax Settings

Menu item	Purpose	Values and descriptions	
Station Name	Specifies the name of the fax within the MFP. The name could be a person's name or the name of a company.	text entry field	The text entry field is limited to eight characters. Enter the name in the provided field using the virtual alphanumeric keyboard screen. See <b>Virtual alphanumeric keyboard on page 58</b> .
Station Number	Specifies the fax phone number.	limited text entry field	Text entry characters are limited to: 0–9, (, ), ., +, -, and a space.
Station ID		Station Name Station Number	
Enable Manual Fax	Sets the MFP to manual fax only, which requires a line splitter and a telephone hand set. Use a regular telephone to answer an incoming fax job and to dial a fax number. <b>Note:</b> Touch # 0 on the numeric keypad to go directly to the Manual Fax function.	On Off*	
Memory Use	Defines the amount of non-volatile memory used in relation to fax for a fax job. The default setting splits an equal amount of memory between sending and receiving fax jobs. However, when one of the values is set, then the memory is not set equally.	All receive	All the memory is set to receive fax jobs.
		Mostly receive	Most of the memory is set to receive fax jobs.
		Equal*	Splits the memory for sending and receiving fax jobs into equal amounts.
		Mostly sent	Most of the memory is set to send fax jobs.
		All send	All the memory is set to send fax jobs.
Cancel Faxes	Sets the MFP to have the option of canceling fax jobs. If this is not allowed, the Cancel Faxes menu item is hidden and does not appear on the control panel.	Allow*	Allows fax job cancelation. Causes the Fax column to appear on the Cancel Jobs screen.
		Don't Allow	Canceling fax jobs is not allowed since the Cancel Faxes menu item does not appear.

## Using the MFP menus

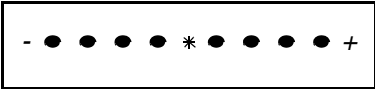
### Virtual alphanumeric keyboard



### Fax Send Settings

Menu item	Purpose	Values and descriptions	
Resolution	To define quality in dots per inch (dpi). A higher resolution gives greater print quality, but it increases the fax transmission time for outgoing faxes.	Standard* Fine Super Fine Ultra Fine	
Original Size	Provides a list of possible scanner sizes to select from to specify the size of the original copy document.	Letter (8.5 x 11 in.)* Legal (8.5 x 14 in.) Executive (7.25 x 10.5 in.) Folio (8.5 x 13 in.) Statement (5.5x 8.5 in.) A4 (210 x 297 mm)* A5 (148 x 210 mm) JIS-B5 (182 x 257 mm) Auto Size Sense Mixed Sizes	(* Denotes a country/region-specific factory default value) 8.5 in. supports Mixed Sizes.

## Using the MFP menus

Menu item	Purpose	Values and descriptions	
Duplex	Sets duplex scanning (two-sided scanning) either on or off for outgoing fax jobs.	Off*	The fax job is not set for duplex printing.
		Long edge	The long end of the page (left edge is for portrait orientation and top edge for landscape orientation). See <b>Duplex Bind on page 76</b> for more information.
		Short edge	The short edge of the page (top edge for portrait orientation and left edge for landscape orientation). See <b>Duplex Bind on page 76</b> for more information.
Content	Specifies the type of content contained in the fax job.	Text*	The fax job contains mostly text or line art.
		Text/Photo	The fax job contains a mixture of text and images.
		Photo	The fax job contains only images.
Darkness	Specifies the level of darkness for the fax job.	1–9 (5*)	<p>A graphic representation depicts the values. As the <b>right</b> or <b>left scroll</b> button is touched, the asterisk moves back and forth on the line. 1 is next to the - and 9 is next to the +. As shown, 5 is the current value.</p> 
Dial Prefix	<p>A numeric entry field is provided to enter numbers. The previously entered numbers are shown.</p> <p>The dial prefix could be a country code or a code businesses use to dial an outside line.</p>	Number string	<p>The entry field is limited to 16 characters. Text entry characters are limited to:</p> <p>0–9, (, ), ., +, -, and a space.</p>
Automatic Redial	Specifies the number of times the MFP automatically tries to send the fax job again by resubmitting the Fax To number.	0–9 (5*)	
Redial Frequency	Select a range in minutes for the number of redials to occur in that time span.	1–200 (3*)	
Behind a PABX	Enables or disables switchboard blind dialing without a dial tone.	Yes	Do not wait for a dial tone.
		No*	Wait for a dial tone.
Enable ECM	Enables Error Correction Mode for fax jobs, which makes faxing more reliable.	Yes*	ECM is enabled.
		No	ECM is disabled.
Enable Fax Scans	Allows sending faxes by scanning at the MFP.	On*	Fax scans are enabled.
		Off	Fax scans are disabled.
Driver to Fax	Allows driver to fax jobs to be sent by the MFP.	On*	Driver to fax jobs can be sent.
		Off	Driver to fax jobs cannot be sent. Driver to fax jobs are treated like PostScript jobs.

## Using the MFP menus

Menu item	Purpose	Values and descriptions	
Allow Save as Shortcut	Allows for saving fax numbers as shortcuts in the MFP.	Yes*	A Save as Shortcut button appears on the screen.
		No	A Save as Shortcut button does not appear on the Fax Destination screen.
Dial Mode	Specifies the dialing sound, either as a tone or a pulse. <b>Note:</b> This menu item may not be available in all countries or regions.	Tone*	A tone sounds for each number dialed.
		Pulse	A pulsating noise sounds for each number dialed.
Custom Job scanning	Allows for scanning of custom fax jobs. This is also known as Job Build. Custom Job is not supported on all models.	On Off*	To set to On, select the check box. To set to Off, clear the check box.
Background Removal	Adjusts the amount of background visible on a copy.	-4 to +4 (0*)	-4 sets Background Removal to off. +4 sets Background Removal to the maximum allowed.
Contrast	Specifies the contrast used for the scan job. The default is dependent on the Content menu item. If the Content menu item is reset from the default setting, then the default for Contrast is reset also.	0–5	Text default is 5. The default is 0 for items other than text.
Shadow detail	Adjusts the amount of shadow detail visible on a copy.	-4 to +4 (0*)	-4 preserves the least amount of shadow detail. +4 preserves the most shadow detail.
Scan edge to edge	Specifies if the original document is scanned edge-to-edge prior to sending the fax job.	Off* On	

### Fax Receive Settings

Menu item	Purpose	Values and descriptions	
Enable Fax Receive	Allows fax jobs to be received by the MFP.	Yes*	Fax jobs can be received.
		No	Fax jobs cannot be received.
Rings to Answer	The MFP rings a set number of times to indicate an incoming fax job.	1–25 (1*)	
Auto Reduction	Scales an incoming fax job so it fits the size of the print media loaded in the designated fax source. See <b>Paper Source</b> as follows for more information.	On*	Scales the incoming fax.
		Off	Does not scale the incoming fax.
Paper Source	Specifies the print media source selected to supply print media for the MFP to print an incoming fax.	Auto*	The print media source is automatically selected by the MFP.
		Tray <x>	Tray <x> or the standard tray is the specified print media source, where <x> is the number of the tray.
		MP Feeder	The multipurpose feeder is the specified print media source.
		Tray <x> (if an optional drawer is installed)	Tray <x>, which can be any optional drawer, is the specified print media source, where <x> is the number of the tray in the drawer.
Output Bin	Specifies the bin that receives the printed fax once it is printed.	*Standard Bin [list of available bins]	This menu item displays when at least one optional output bin is installed.
Duplex	Sets duplex printing (two-sided printing) either on or off for incoming fax jobs.  This menu item appears if an optional duplex unit is installed or if the MFP model has an internal duplex unit.	On	The incoming fax is a duplex job.
		Off*	The incoming fax is not a duplex job.
Fax Footer	Prints the transmission information at the bottom of each page from a received fax.	On* Off	Select On to print the footer. Select Off to prevent the footer from printing.

### Fax Log Settings

Menu item	Purpose	Values and descriptions	
Transmission Log	Selects whether the MFP prints a log with details about the fax job sent. If the fax job failed to send, the header on the page reads "Fax Failed" instead of "Transmission Log."	Print Always*	The MFP prints a page indicating information about the fax job sent that includes the fax number and the time the fax job was sent.
		Print Never	The MFP never prints the log.
		Print on Error	The MFP prints a page with information if the fax job failed to be sent.
Receive Error Log	Sets the MFP to print a log of received fax jobs for each one that had an error when it was received.	Print Never*	The MFP never prints a log.
		Print on Error	The MFP prints a log.
Auto Print Logs	Specifies that a log prints after 45 fax jobs have been sent or received.	On*	The MFP prints a log of sent or received fax jobs.
		Off	The MFP does not print a log of sent or received fax jobs.
Log Paper Source	Specifies the print media source selected to supply print media for the MFP to print a log of all sent and received faxes. Envelopes do not apply. <b>Note:</b> This menu item applies to all scan functions.	Tray 1*	Tray 1 or the standard tray is the specified print media source.
		MP Feeder	The multipurpose feeder is the specified print media source.
		Tray 2 (if an optional drawer is installed)	Tray 2, which is an optional drawer, is the specified print media source.
Logs Display	Specifies if a send log shows a dialed phone number or a remote station name.	Remote Station Name*	Shows the remote station name of a fax job in the log.
		Dialed Phone Number	Shows the phone number of a fax job in the log.
Enable Job Log	Sets the MFP to track the most recent fax jobs.	Yes*	The MFP does track fax jobs.
		No	The MFP does not track fax jobs.
Enable Call Log	Sets the MFP to track the most recent fax calls.	Yes*	The MFP does track fax calls.
		No	The MFP does not track fax calls.
Log Output Bin	Specifies the output bin that accepts the printed fax log. The menu item only appears when one optional output bin is installed.	A list of available output bins is shown as values, such as Bin 1, Bin 2, and so on based on the number of bins installed.	

### Speaker Settings

Menu item	Purpose	Values and descriptions	
Speaker Mode	Specifies how long the speaker remains on.	Always Off	The speaker is set off.
		On until Connected*	The speaker is on until the fax connection is made.
		Always On	The speaker is set on.
Speaker Volume	Specifies the volume setting.	High*	The speaker volume is high.
		Low	The speaker volume is low.
Ringer Volume	Sets the MFP fax speaker ringer volume.	Off	The speaker volume is off.
		On*	The speaker volume is on.

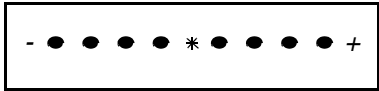
### Distinctive Ring Settings

Menu item	Purpose	Values and descriptions	
Single Ring	Answers calls with a one ring pattern.	On*	The one ring pattern is set on.
		Off	The one ring pattern is set off.
Double Ring	Answers calls with a double ring pattern.	On*	The double ring pattern is set on.
		Off	The double ring pattern is set off.
Triple Ring	Answers calls with a triple ring pattern.	On*	The triple ring pattern is set on.
		Off	The triple ring pattern is set off.

### Fax Server Setup


Menu item	Purpose	Values and descriptions	
To format		text entry field	Use [#] for the fax number. For example: [x]@fax.thecompany.com
Reply Address		text entry field	This field is required.
Subject		text entry field	
Message		text entry field	The text entry field is limited to 512 characters.
Primary SMTP Gateway		value in text	Links to a Primary SMTP Gateway in E-mail Server Setup in <b>Network/Ports</b> .
Secondary SMTP Gateway		value in text	Links to a Secondary SMTP Gateway in E-mail Server Setup in <b>Network/Ports</b> .
Image Format	Specifies the format of the file to be faxed.	PDF* TIFF	Portable Document Format Tagged Image File Format

## Using the MFP menus

Menu item	Purpose	Values and descriptions	
Content	Specifies the type of content contained in the fax job.	Text*	The fax job contains mostly text or line art.
		Text/Photo	The fax job contains a mixture of text and images.
		Photo	The fax job contains only images.
Fax Resolution	Defines quality in dots per inch (dpi). A higher resolution gives greater print quality, but it increases the fax transmission time for outgoing faxes.	Standard Fine Super Fine Ultra Fine	<i>Standard</i> is suitable for most documents. Use <i>Fine</i> for documents with small print. Use <i>Super fine</i> for documents with fine detail. Use <i>Ultra fine</i> for documents with graphics or photographs.
Darkness	Specifies the level of darkness for the fax job.	1–9 (5*)	A graphic representation depicts the values. As the <b>right</b> or <b>left scroll</b> button is touched, the asterisk moves back and forth on the line. 1 is next to the - and 9 is next to the +. As shown, 5 is the current value. 
Orientation	Determines how text and graphics are oriented on the page for the fax job.	Portrait*	Text and graphics are parallel to the short edge. See <b>Duplex Bind on page 76</b> for more information about short edge.
		Landscape	Text and graphics are parallel to the long edge. See <b>Duplex Bind on page 76</b> for more information about long edge.
Original Size	Provides a list of possible scanner sizes to select from to specify the size of the original scanned document for faxing.	Letter (8.5 x 11 in.)* Legal (8.5 x 14 in.) Executive (7.25 x 10.5 in.) Folio (8.5 x 13 in.) Statement (5.5x 8.5 in.) A4 (210 x 297 mm)* A5 (148 x 210 mm) JIS-B5 (182 x 257 mm) Auto Size Sense Mixed Sizes	(* Denotes a country/region-specific factory default value.) 8.5 in. supports Mixed Sizes.
Use Multi-page TIFF	Indicates that the jobs are multiple-page Tagged Image File Format jobs.  This menu item applies to all scan functions.	Yes*	Multiple-page TIFF files are created. Select the check box to turn it on.
		No	One single TIFF file is created for each page. Clear the check box to turn it off.



## E-mail Settings

Menu item	Purpose	Values and descriptions	
E-mail Server Setup		See <b>E-mail Server Setup</b> on page 33.	
Format	Specifies the format of the file to be scanned.	PDF*	Portable Document Format
		JPEG	Joint Photographic Experts Group
		TIFF	Tagged Image File Format
PDF version	Sets the version of an Adobe Acrobat PDF file that is sent. This menu item applies to all scan functions.	1.2 1.3 1.4 1.5 1.6	
Content	Specifies the type of content contained in the e-mail.	Text	The e-mail job contains mostly text or line art.
		Text/Photo*	The e-mail job contains a mixture of text and images.
		Photo	The e-mail job contains only images.
Color	Specifies if the MFP recognizes a color image in the e-mail or sees the color image in gray shades.	Gray*	Does not send a color image in the e-mail job.
		Color	Sends the e-mail job with a color image enclosed.
Resolution	Specifies the resolution of the e-mail in dots per inch (dpi). Resolution is limited by the value set for the Color menu item. If this value is set to Color and Resolution is set to 400 or 600 dpi, the configuration is allowed, but it is not seen in the normal workflow, so the combinations are invalid. The resolution is reduced to 300 dpi.	75 dpi 150 dpi 200 dpi 300 dpi 400 dpi 600 dpi	75–600 dpi are available for Gray. 75–300 are available for Color. See <b>Color</b> listed previously.
Darkness	Specifies the level of darkness for the e-mail as a graphic representation of a page that uses a fill pattern to indicate various levels from light (1) to dark (9).	1–9 (5*)	Specifies the level of darkness for the e-mail. A graphic representation depicts the values. As the <b>right</b> or <b>left scroll</b> button is touched, the asterisk moves back and forth on the line. 1 is next to the - and 9 is next to the +. As shown, 5 is the current value. 

## Using the MFP menus

Menu item	Purpose	Values and descriptions	
Orientation	Specifies the default orientation of the document to be sent in the scan job.	Portrait*	Sends the original document as portrait for the scan job, which means text and graphics are parallel to the short edge. See <b>Duplex Bind on page 76</b> for more information about short edge.
		Landscape	Sends the original document as landscape for the scan job, which means text and graphics are parallel to the long edge. See <b>Duplex Bind on page 76</b> for more information about long edge.
Original Size	Provides a list of possible scanner sizes to select from to specify the size of the original document to be scanned.	Letter (8.5 x 11 in.)* Legal (8.5 x 14 in.) Executive (7.25 x 10.5 in.) Folio (8.5 x 13 in.) Statement (5.5x 8.5 in.) A4 (210 x 297 mm)* A5 (148 x 210 mm) JIS-B5 (182 x 257 mm) Auto Size Sense Mixed Sizes	(* Denotes a country/region-specific factory default value.)

## Using the MFP menus

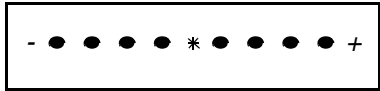
Menu item	Purpose	Values and descriptions	
Duplex	Sets duplex scanning (two-sided scanning) either on or off for e-mails.	Off*	The e-mail job is not set for duplex printing.
		Long edge	The binding is along the long edge of the page (left edge is for portrait orientation and top edge for landscape orientation). See <b>Duplex Bind on page 76</b> for more information.
		Short edge	The binding is along the short edge of the page (top edge for portrait orientation and left edge for landscape orientation). See <b>Duplex Bind on page 76</b> for more information.
Photo JPEG Quality	Sets the quality of a JPEG photo image in relation to file size and the quality of the image.  This menu item applies to all scan functions.	5–90 (50%*)	A 5 setting gives a smaller file size, but the quality of the image is lessened.  A 90 setting gives the best quality of the image, but the file size is very large.
JPEG Quality	Sets the quality of a JPEG text or text/photo image in relation to file size and the quality of the image.  This menu item applies to Text and Text/Photo, and all scan functions.	5–90 (75%*)	A 5 setting gives a smaller file size, but the quality of the image is lessened.  A 90 setting gives the best quality of the image, but the file size is very large.
E-mail images sent as		Attachment* Web Link	
Use multi-page TIFF	Provides a choice between single-page TIFF files and multiple-page TIFF files. For a multiple-page scan to e-mail job, either one TIFF file is created containing all the pages, or multiple TIFF files are created with one file for each page of the job.  This menu item applies to all scan functions.	Yes*	Multiple-page TIFF files are created. Select the check box to turn this item on.
		No	One single TIFF file is created for each page.  Clear the check box to turn this item off.
Transmission Log	Specifies when the transmission log prints.  The log page is a confirmation that the e-mails transferred successfully.	Print Always*	The e-mail transmission log always prints.
		Print Never	The e-mail transmission log never prints.
		Print on Error	The e-mail transmission log only prints when an error occurs.
Log Paper Source	To select the print media source to supply print media for the MFP to print a log of all sent and received e-mails. Envelopes do not apply.  <b>Note:</b> This menu item applies to all scan functions.	Tray 1*	Tray 1, or the standard tray, is the specified print media source.
		MP Feeder	The multipurpose feeder is the specified print media source.
		Tray 2 (if an optional drawer is installed)	Tray 2, which is an optional drawer, is the specified print media source.

## Using the MFP menus

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Menu item	Purpose	Values and descriptions	
Log Output Bin	Specifies the output bin that accepts the printed e-mail log. The menu item only appears when one optional output bin is installed.	A list of available output bins is shown as values, such as Bin 1, Bin 2, and so on based on the number of bins installed.	
E-mail Bit Depth	Enables the Mixed mode to have smaller file sizes by using 1 bit images when Color is set to Off.	1 bit* 8 bit	
Custom Job scanning	Allows for scanning of custom e-mails. This is also known as Job Build. Custom Job is not supported on all models.	On Off*	To set to On, select the check box. To set to Off, clear the check box.
Allow Save as shortcut	Allows saving of e-mail addresses as shortcuts.	Yes* No	When it is set to No, the Save as Shortcut button does not appear on the E-mail Destination screen.
Background Removal	Adjusts the amount of background visible on a copy.	-4 to +4 (0*)	-4 sets Background Removal to off. +4 sets Background Removal to the maximum allowed.
Contrast	Specifies the contrast used for the e-mail. The default is dependent on the Content menu item. If the Content menu item is reset from the default setting, then the default for Contrast is reset also.	0–5	Text default is 5. The default is 0 for items other than text.
Shadow Detail	Adjusts the amount of shadow detail visible on a copy.	-4 to +4 (0*)	-4 preserves the least amount of shadow detail. +4 preserves the most shadow detail.
Scan edge to edge	Specifies if the original document is scanned edge-to-edge prior to sending the e-mail.	Off* On	

## FTP Settings

Menu item	Purpose	Values and descriptions	
Format		PDF* JPEG TIFF	Portable Document Format Joint Photographic Experts Group Tagged Image File Format
PDF version	Sets the version of an Adobe Acrobat PDF file that is sent.  This menu item applies to all scan functions.	1.2 1.3 1.4 1.5* 1.6	
Content	Specifies the type of content contained in the FTP job.	Text	The FTP job contains mostly text or line art.
		Text/Photo*	The FTP job contains a mixture of text and images.
		Photo	The FTP job contains only images.
Color	Specifies if the MFP recognizes a color image in the FTP job or sees the color image in gray shades.	Gray*	Does not send a color image in the FTP job.
		Color	Sends the FTP job with a color image enclosed.
Resolution	Specifies the resolution of the FTP job in dots per inch (dpi).  Resolution is limited by the value set for the Color menu item. If this value is set to Color and Resolution is set to 400 or 600 dpi, the configuration is allowed, but it is not seen in the normal workflow, so the combinations are invalid. The resolution is reduced to 300 dpi.	75 dpi 150 dpi 200 dpi 300 dpi 400 dpi 600 dpi	75–600 dpi are available for Gray. 75–300 are available for Color. See <b>Color</b> listed previously.
Darkness	Specifies the level of darkness for the FTP as a graphic representation of a page that uses a fill pattern to indicate various levels from light (1) to dark (9).	1–9 (5*)	Specifies the level of darkness for the FTP.  A graphic representation depicts the values. As the <b>right</b> or <b>left scroll</b> button is touched, the asterisk moves back and forth on the line. 1 is next to the - and 9 is next to the +. As shown, 5 is the current value.  
Orientation	To specify the default orientation of the document to be sent in the FTP job.	Portrait*	Sends the original document as portrait for the FTP job, which means text and graphics are parallel to the short edge. See <b>Duplex Bind on page 76</b> for more information about short edge.
		Landscape	Sends the original document as landscape for the FTP job, which means text and graphics are parallel to the long edge. See <b>Duplex Bind on page 76</b> for more information about long edge.

## Using the MFP menus

Menu item	Purpose	Values and descriptions	
Original Size	Provides a list of possible scanner sizes to select from to specify the size of the original document to be scanned.	Letter (8.5 x 11 in.)* Legal (8.5 x 14 in.) Executive (7.25 x 10.5 in.) Folio (8.5 x 13 in.) Statement (5.5x 8.5 in.) A4 (210 x 297 mm)* A5 (148 x 210 mm) JIS-B5 (182 x 257 mm) Auto Size Sense Mixed Sizes	(* Denotes a country/region-specific factory default value.)
Duplex	Sets duplex printing (two-sided printing) either on or off for FTP jobs. This menu item appears if an optional duplex unit is installed or if the MFP model has an internal duplex unit.	Off*	The FTP job is not set for duplex printing.
		Long edge	The binding is along the long edge of the page (left edge for portrait orientation and top edge for landscape orientation). See <b>Duplex Bind on page 76</b> for more information.
		Short edge	The binding is along the short edge of the page (top edge for portrait orientation and left edge for landscape orientation). See <b>Duplex Bind on page 76</b> for more information.
Photo JPEG Quality	Sets the quality of a JPEG photo image in relation to file size and the quality of the image. This menu item applies to all scan functions.	5–90 (50%*)	A 5 setting gives a smaller file size, but the quality of the image is lessened. A 90 setting gives the best quality of the image, but the file size is very large.
JPEG Quality	Sets the quality of a JPEG text or text/photo image in relation to file size and the quality of the image. This menu item applies to Text, Text/Photo, and all scan functions.	5–90 (75%*)	A 5 setting gives a smaller file size, but the quality of the image is lessened. A 90 setting gives the best quality of the image, but the file size is very large.
Use multi-page TIFF	Provides a choice between single-page TIFF files and multiple-page TIFF files. For a multiple-page scan to FTP job, either one TIFF file is created containing all the pages, or multiple TIFF files are created with one file for each page of the job. This menu item applies to all scan functions.	Yes*	Multiple-page TIFF files are created. Select the check box to turn it on.
		No	One single TIFF file is created for each page. Clear the check box to turn it off.
Transmission Log	Specifies when the transmission log prints. The log page is a confirmation that files transferred successfully.	Print Always*	The FTP transmission log always prints.
		Print Never	The FTP transmission log never prints.
		Print on Error	The FTP transmission log only prints when an error occurs.

## Using the MFP menus

Menu item	Purpose	Values and descriptions	
Log Paper Source	To select the print media source to supply print media for the MFP to print a log of all sent and received FTPs. Envelopes do not apply. <b>Note:</b> This menu item applies to all scan functions.	Tray 1*	Tray 1 or the standard tray is the specified print media source.
		MP Feeder	The multipurpose feeder is the specified print media source.
		Tray 2 (if an optional drawer is installed)	Tray 2, which is an optional drawer, is the specified print media source.
Log Output Bin	Specifies the output bin that accepts the printed FTP log. The menu item only appears when one optional output bin is installed.	A list of available output bins is shown as values, such as Bin 1, Bin 2, and so on based on the number of bins installed.	
FTP Bit Depth	Enables the Text/Photo mode to have smaller file sizes by using 1 bit images when Color is set to Off.	1 bit* 8 bit	
Base file name		text entry	The default value is the following word: image <b>Note:</b> There is a 53-character limit for the base file name. The following characters or symbols are invalid: * – asterisk : – colon ? – question mark < – less than symbol > – greater than symbol   – vertical bar A time stamp is added to the end of the base file name.
Custom Job scanning	Allows for scanning of custom FTP jobs. This is also known as Job Build. Custom Job is not supported on all models.	On Off*	To set to On, select the check box. To set to Off, clear the check box.
Allow Save as shortcut	Allows saving of FTP addresses as shortcuts.	Yes* No	When it is set to No, the Save as Shortcut button does not appear on the FTP Destination screen.
Background Removal	Adjusts the amount of background visible on a copy.	-4 to +4 (0*)	-4 sets Background Removal to off. +4 sets Background Removal to the maximum allowed.
Contrast	Specifies the contrast used for the FTP job. The default is dependent on the Content menu item. If the Content menu item is reset from the default setting, then the default for Contrast is reset, also.	0–5	Text default is 5. The default is 0 for items other than text.


## Using the MFP menus

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Menu item	Purpose	Values and descriptions	
Shadow Detail	Adjusts the amount of shadow detail visible on a copy.	-4 to +4 (0*)	-4 preserves the least amount of shadow detail. +4 preserves the most shadow detail.
Scan edge to edge	Specifies if the original document is scanned edge-to-edge prior to sending the FTP job.	Off* On	



## Scan to USB Settings

Menu item	Purpose	Values and descriptions	
Format		PDF* JPEG TIFF	Portable Document Format Joint Photographic Experts Group Tagged Image File Format
PDF version	Sets the version of an Adobe Acrobat PDF file that is sent. This menu item applies to all scan functions.	1.2 1.3 1.4 1.5* 1.6	
Content	Specifies the type of content contained in the scan to USB job.	Text	The scan to USB job contains mostly text or line art.
		Text/Photo*	The scan to USB job contains a mixture of text and images.
		Photo	The scan to USB job contains only images.
Color	Specifies if the MFP recognizes a color image in the scan job or sees the color image in gray shades.	Gray*	Does not send a color image in the scan to USB job.
		Color	Sends the scan to USB job with a color image enclosed.
Resolution	Specifies the resolution of the scan job in dots per inch (dpi). Resolution is limited by the value set for the Color menu item. If this value is set to Color and Resolution is set to 400 or 600 dpi, the configuration is allowed, but it is not seen in the normal workflow, so the combinations are invalid. The resolution is reduced to 300 dpi.	75 dpi 150 dpi 200 dpi 300 dpi 400 dpi 600 dpi	75–600 dpi are available for Gray. 75–300 are available for Color. See <b>Color</b> listed previously.
Darkness	Specifies the level of darkness for the scan job as a graphic representation of a page that uses a fill pattern to indicate various levels from light (1) to dark (9).	1–9 (5*)	Specifies the level of darkness for the scan to USB jobs. A graphic representation depicts the values. As the <b>right</b> or <b>left scroll</b> button is touched, the asterisk moves back and forth on the line. 1 is next to the - and 9 is next to the +. As shown, 5 is the current value. 
Orientation	To specify the default orientation of the document to be sent in the scan job.	Portrait*	Sends the original document as portrait for the scan to USB job, which means text and graphics are parallel to the short edge. See <b>Duplex Bind on page 76</b> for more information about short edge.
		Landscape	Sends the original document as landscape for the scan to USB job, which means text and graphics are parallel to the long edge. See <b>Duplex Bind on page 76</b> for more information about long edge.

## Using the MFP menus

Menu item	Purpose	Values and descriptions	
Original Size	Provides a list of possible scanner sizes to select from to specify the size of the original document to be scanned.	Letter (8.5 x 11 in.)* Legal (8.5 x 14 in.) Executive (7.25 x 10.5 in.) Folio (8.5 x 13 in.) Statement (5.5x 8.5 in.) A4 (210 x 297 mm)* A5 (148 x 210 mm) JIS-B5 (182 x 257 mm) Auto Size Sense Mixed Sizes	(* Denotes a country/region-specific factory default value.)
Duplex	Sets duplex printing (two-sided printing) either on or off for scan to USB jobs.  This menu item appears if an optional duplex unit is installed or if the MFP model has an internal duplex unit.	Off*	The scan to USB job is not set for duplex printing.
		Long edge	The binding is along the long edge of the page (left edge for portrait orientation and top edge for landscape orientation). See <b>Duplex Bind on page 76</b> for more information.
		Short edge	The binding is along the short edge of the page (top edge for portrait orientation and left edge for landscape orientation). See <b>Duplex Bind on page 76</b> for more information.
Photo JPEG Quality	Sets the quality of a JPEG photo image in relation to file size and the quality of the image.  This menu item applies to all scan functions.	5–90 (50%*)	A 5 setting gives a smaller file size, but the quality of the image is lessened.  A 90 setting gives the best quality of the image, but the file size is very large.
JPEG Quality	Sets the quality of a JPEG text or text/photo image in relation to file size and the quality of the image.  This menu item applies to Text, Text/Photo, and all scan functions.	5–90 (75%*)	A 5 setting gives a smaller file size, but the quality of the image is lessened.  A 90 setting gives the best quality of the image, but the file size is very large.
Use multi-page TIFF	Provides a choice between single-page TIFF files and multiple-page TIFF files. For a multiple-page scan job, either one TIFF file is created containing all the pages, or multiple TIFF files are created with one file for each page of the job.  This menu item applies to all scan functions.	Yes*	Multiple-page TIFF files are created. Select the check box to turn it on.
		No	One single TIFF file is created for each page. Clear the check box to turn it off.
Scan Bit Depth	Enables the Text/Photo mode to have smaller file sizes by using 1 bit images when Color is set to Off.	1 bit* 8 bit	

## Using the MFP menus

Menu item	Purpose	Values and descriptions	
Base file name		text entry	<p>The default value is the following word: image</p> <p><b>Note:</b> There is a 53-character limit for the base file name. The following characters or symbols are invalid:</p> <ul style="list-style-type: none"> <li>* – asterisk</li> <li>: – colon</li> <li>? – question mark</li> <li>&lt; – less than symbol</li> <li>&gt; – greater than symbol</li> <li>  – vertical bar</li> </ul> <p>A time stamp is added to the end of the base file name.</p>
Custom Job scanning	Allows for scanning of custom scan to USB jobs. This is also known as Job Build. Custom Job is not supported on all models.	On Off*	<p>To set to On, select the check box.</p> <p>To set to Off, clear the check box.</p>
Background Removal	Adjusts the amount of background visible on a copy.	-4 to +4 (0*)	<p>-4 sets Background Removal to off.</p> <p>+4 sets Background Removal to the maximum allowed.</p>
Contrast	Specifies the contrast used for the scan to USB job. The default is dependent on the Content menu item. If the Content menu item is reset from the default setting, then the default for Contrast is reset, also.	0–5	<p>Text default is 5.</p> <p>The default is 0 for items other than text.</p>
Shadow Detail	Adjusts the amount of shadow detail visible on a copy.	-4 to +4 (0*)	<p>-4 preserves the least amount of shadow detail.</p> <p>+4 preserves the most shadow detail.</p>
Scan edge to edge	Specifies if the original document is scanned edge-to-edge prior to sending the scan to USB job.	Off* On	

## Print Settings

Print settings consist of the following menus. Click any of the menus for more information

**Finishing Menu**

**Quality Menu**

**Utilities Menu**

**Setup Menu**

**PostScript Menu**

**PCL Emulation Menu**

**PDF Menu**

**HTML Menu**

**Image Menu**

## Finishing Menu

Use these menu items to set the user default settings for all jobs. Printing from an application may override user default settings.

Menu item	Purpose	Values and descriptions	
Duplex	Sets duplex (two-sided) printing as the default for all print jobs. <b>Note:</b> This menu item appears if an optional duplex unit is installed.	Off*	Prints on one side of the print media.
		On	Prints on both sides of the print media.
Duplex Bind	Defines the way duplex pages are 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). <b>Note:</b> This menu item appears if an optional duplex unit is installed.	<b>Long Edge*</b> Assumes binding along the long edge of the page (left edge for portrait orientation and top edge for landscape orientation). The following illustration shows long-edge binding for portrait and landscape pages. <div data-bbox="774 665 1453 1039"> </div>	
		<b>Short Edge</b> Assumes binding along the short edge of the page (top edge for portrait orientation and left edge for landscape orientation). The following illustration shows short-edge binding for portrait and landscape pages. <div data-bbox="774 1232 1453 1703"> </div>	
Copies	Sets the number of copies needed as the MFP user default value.	1–999 (1*)	Values selected from the application or printer driver always override values selected from the control panel.

## Using the MFP menus

Menu item	Purpose	Values and descriptions	
Blank Pages	Specifies whether to include application-generated blank pages as part of the printed output.	Do Not Print*	Does not print application-generated blank pages as part of the job.
		Print	Prints application-generated blank pages as part of the 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 Copies is set to 2, and three pages are sent 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 Copies is set to 2, and three pages are sent 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 when printing transparencies or wanting to insert blank pages in a document for notes.
Separator Source	Specifies the source that holds separator sheets.  Only installed sources are shown in the list of values.	Tray <x> (Tray 1*)	Selects separator sheets from the specified tray.
		MP Feeder	Selects separator sheets from the multipurpose feeder. <b>Note:</b> Configure MP must be set to Cassette.
		Envelope Feeder	Selects an envelope as a separator sheet.
Multipage Print	Prints multiple-page images on one side of a sheet of paper. This is 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 the MFP menus

Menu item	Purpose	Values and descriptions																									
Multipage Order	Determines the positioning of multiple page images when using Multipage Print. See <b>Multipage Print on page 77</b> .  The positioning depends on the number of images and whether the images are portrait or landscape in orientation.	Horizontal*																									
		Vertical																									
		Reverse Horizontal																									
		Reverse Vertical																									
	For example, if selecting 4-Up multiple page printing and portrait orientation, the results differ depending on the Multipage Order value selected. <table><tr><td colspan="2">Horizontal Order</td><td colspan="2">Vertical Order</td><td colspan="2">Reverse Horizontal Order</td><td colspan="2">Reverse Vertical Order</td></tr><tr><td>1</td><td>2</td><td>1</td><td>3</td><td>2</td><td>1</td><td>3</td><td>1</td></tr><tr><td>3</td><td>4</td><td>2</td><td>4</td><td>4</td><td>3</td><td>4</td><td>2</td></tr></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
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 MFP choose between portrait and landscape orientation.																							
		Long Edge		Sets the long edge of the print media as the top of the page (landscape). See <b>Duplex Bind on page 76</b> for more information.																							
		Short Edge		Sets the short edge of the print media as the top of the page (portrait). See <b>Duplex Bind on page 76</b> for more information.																							
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	Sets stapling as the default for all print jobs.  This menu item is only displayed when an optional finisher is installed.  <b>Note:</b> Select stapling from the printer driver to staple only specific jobs.	Off*		Does not staple print jobs.																							
		On		Staples each print job.																							
Offset Pages	Offsets the output of each print job or each copy of a print job, making it easier to separate the documents stacked in the finisher output bin.  <b>Note:</b> This menu item only appears when an optional finisher is installed.	None*		Stacks all sheets directly on top of each other.																							
		Between Copies		Offsets each copy of a print job.																							
		Between Jobs		Offsets each print job.																							

## Quality Menu

Use these menu items to change settings that affect print quality and save toner. Printing from an application may override user default settings.

Menu item	Purpose	Values and descriptions	
Print Resolution	To select printed output resolution.	600 dpi*	Produces high quality output for print jobs that are mostly text.
		1200 dpi	Produces highest quality output for jobs where print speed is not important and memory is abundant.
		1200 Image Q	Uses line screening for print jobs that contain bitmapped images, such as scanned photos.
		2400 Image Q	Uses line screening for print jobs that contain bitmapped images, such as scanned photos.
Toner Darkness	<p>Lightens or darkens printed output and conserves toner.</p> <p>A scale appears on the control panel LCD shown as follows. A vertical bar (   ) indicates the factory default value. An arrow symbol ( V ) indicates a user default value and the V moves left or right on the scale while touching the <b>left arrow</b> or <b>right arrow</b> buttons. When the default of 8 is selected, the V covers the vertical bar as shown: -.....V..+</p>	1–5 (4*)	<ul style="list-style-type: none"> <li>Select a lower value for finer line width, lighter grayscale images, and to lighten printed output.</li> <li>Select a higher value for bolder line widths or darker grayscale images.</li> <li>Select 5 for very bold text.</li> <li>Select a value less than 4 to conserve toner.</li> </ul>
Brightness	Adjusts the gray value of printed images.	-6 to +6 (0*)	-6 is maximum decrease. +6 is maximum increase.
Contrast	Adjusts the contrast of printed images.	0–5 (0*)	0 is maximum decrease. 5 is maximum increase.
Enhance Fine Lines	<p>Enables a print mode preferable for certain files containing fine line detail, such as architectural drawings, maps, electronic circuit diagrams, and flow charts.</p> <p><b>Note:</b> Enhance Fine Lines is not a menu item available from the control panel. This setting is only available on the PCL emulation driver or PostScript driver or on the MFP Embedded Web Server.</p>	On	In the driver, select the check box.
		Off*	In the driver, clear the check box.
Gray Correction	Automatically adjusts the contrast enhancement applied to images.	Auto	In the driver, select the check box.
		Off*	In the driver, clear the check box.

## Using the MFP menus

### Utilities Menu

Use the Utilities Menu to print a variety of listings relating to available MFP resources, settings, and print jobs. Other menu items let you set up MFP hardware and troubleshoot problems.

Menu item	Purpose	Values and descriptions	
Factory Defaults	Returns the MFP settings to the factory default values.  This menu item is also available in the Setup Menu.	Restore Now	<ul style="list-style-type: none"> <li>All menu items are returned to the factory default values except: <ul style="list-style-type: none"> <li>Display Language</li> <li>All settings in the Fax, E-mail, and FTP Settings menu items, the Standard Parallel and Parallel &lt;x&gt; menu items, the Standard Serial and Serial &lt;x&gt; menu items, the Standard Network and Network &lt;x&gt; menu items, and the Standard USB and USB &lt;x&gt; menu items</li> </ul> </li> <li>All downloaded resources (fonts, macros, and symbol sets) in MFP memory (RAM) are deleted. (Resources residing in flash memory are unaffected.)</li> </ul>
		Do Not Restore*	User-defined settings remain.
Remove Held Jobs	Removes confidential and held jobs from the MFP hard disk.  The menu item appears if a hard disk is installed containing held or confidential jobs.	Confidential Held Not Restored All	Selecting a value only affects jobs that are resident in the MFP. Bookmarks, jobs on USB flash memory devices, and other types of held jobs are not affected.
Format Flash	Formats the flash memory.  Do not turn off the MFP while the flash is formatting.  <b>Note:</b> This menu item only appears if a nondefective optional flash memory card, which is not write or read/write protected, is installed.	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.
Job Acct Stat	Prints a listing of all job statistics stored on the hard disk or clears all statistics on the hard disk.  <b>Warning:</b> Clear appears as a value only if Job Accounting is not set to MarkTrack™.  <b>Note:</b> This menu item only appears if the hard disk is not write or read/write password protected.	Print	Prints all statistics available for the most recent print jobs.
		Clear	Deletes all accumulated job statistics from the hard disk. As the MFP deletes all stored job statistics, the message <b>Clearing job accounting statistics</b> appears as the jobs are deleted.
Activate Hex Trace	Helps isolate the source of a print job problem. With Hex Trace selected, all data sent to the MFP is printed in hexadecimal and character representation. Control codes are not executed.		Touch <b>Activate Hex Trace</b> to enter Hex Trace mode.  To exit Hex Trace mode, turn the MFP off, wait 15 seconds, and then turn the MFP on.
Coverage Estimator	Provides an estimate of the percentage of 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 the page.



## Setup Menu

Use the Setup Menu to configure a variety of MFP features.

Menu item	Purpose	Values and descriptions	
Printer Language	Specifies the default printer language used to communicate data from the computer to the MFP. <b>Note:</b> 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	PCL emulation—Uses a PCL interpreter for incoming host communications. PostScript emulation—Uses a PS interpreter for incoming host communications.
Resource Save	Specifies what the MFP does with downloaded resources, such as fonts and macros stored in RAM, if the MFP receives a job that requires more memory than is available.  Setting Resource Save to On causes the MFP to reset and returns the LCD to the home screen.	Off*	The MFP retains downloaded resources only until memory is needed. It then deletes those resources associated with the inactive printer language.
		On	The MFP retains all downloaded resources for all printer languages during language changes and MFP resets. If the MFP runs out of memory, <b>38 Memory Full</b> appears.
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 MFP is turned off.	RAM*	All downloaded resources are automatically stored in printer memory (RAM).
		Flash	All downloaded resources are automatically stored in flash memory. <b>Note:</b> Flash appears as a menu item if a formatted, nondefective optional flash memory card that is not Write or Read/Write password protected is installed.
		Disk	All downloaded resources are automatically stored on the hard disk. <b>Note:</b> Disk appears as a menu item if the hard disk is not Write or Read/Write password protected.
Job Accounting	Specifies to store or not store statistical information about the 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 media size and type, the total number of printed pages, and the number of copies requested.  <b>Note:</b> Job Accounting only appears when a nondefective hard disk is installed.	Off*	The MFP does not store job statistics on the hard disk.
		On	The MFP stores job statistics for the most recent print jobs.

## Using the MFP menus

Menu item	Purpose	Values and descriptions	
Print Area	Modifies the logical and physical printable area.	Normal* Fit to Page Whole Page	<b>Note:</b> The Whole Page setting only affects pages printed using PCL 5 interpreter. This setting has no effect on pages printed using the PCL XL or PostScript interpreters. If attempting to print any data in the non-printable area defined by Normal Print Area, the MFP clips the image at the boundary defined by the Normal defined printable area.
Factory Defaults	Returns printer settings to the factory default values.	Restore Now	<ul style="list-style-type: none"> <li>All menu items are returned to the factory default values except: <ul style="list-style-type: none"> <li>Display Language</li> <li>All settings in the Standard Parallel and Parallel &lt;x&gt; menu items, the Standard Serial and Serial &lt;x&gt; menu items, the Standard Network and Network &lt;x&gt; menu items, and the Standard USB and USB &lt;x&gt; menu items</li> </ul> </li> <li>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.)</li> </ul>
		Do Not Restore*	User-defined settings remain.

## PostScript Menu

Use these menu items to change printer settings that affect jobs using the PostScript printer language. Printing from an application may override user default settings.

Menu item	Purpose	Values and descriptions	
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 the MFP menus

Menu item	Purpose	Values and descriptions	
Font Priority	Establishes the font search order. <b>Note:</b> Font Priority only appears when a formatted flash or hard disk is installed, is neither defective nor Read/Write or Write protected, and Job Buffer Size is not set to 100%.	Resident*	The MFP searches printer memory for the requested font before searching the flash memory or the hard disk.
		Flash/Disk	The MFP searches the hard disk and flash memory for the requested font before searching the printer memory.

### PCL Emulation Menu

Use these menu items to change printer settings that affect jobs using the PCL emulation printer language. Printing from an application may override user default settings.

Menu item	Purpose	Values and descriptions	
Font Source	Determines the set of fonts shown in the Font Name menu item.	Resident*	Shows all fonts resident in printer RAM when the MFP ships from the factory.
		Disk	<b>Note:</b> Shows all fonts stored on the MFP hard disk.
		Flash	Shows all fonts stored in flash memory.
		Download	Shows all fonts downloaded to printer RAM.
		All	Shows all fonts available to the MFP 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 shown. The font source abbreviation is R for resident, F for flash, K for hard 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. Only the symbol sets supported for the selected font name are shown.
		12U PC-850 (non-US)* (country/region-specific factory default values)	

## Using the MFP menus

Menu item	Purpose	Values and descriptions	
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. Point sizes from 1 to 1008 in increments of 0.25 points can be selected. <b>Note:</b> Point Size only appears 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. A pitch from 0.08 to 100 characters per inch (cpi) in increments of 0.01 cpi can be selected. For nonscalable monospaced fonts, the pitch appears but cannot be changed. <b>Note:</b> Pitch only appears 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. See <b>Duplex Bind on page 76</b> for more information about short and long edges.
	Determines the number of lines that print on each page.	Lines per Page 1–255 60* (US) 64* (non-US)	The MFP 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	<b>Note:</b> The 203 mm setting makes the logical page wide enough to print eighty 10-pitch characters.
	Specifies whether the MFP automatically performs a carriage return (CR) after a line feed (LF) control command.	Auto CR after LF Off* On	Off—The MFP does not perform a carriage return after a line feed control command. On—The MFP 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—The MFP does not perform a line feed after a carriage return control command. On—The MFP performs a line feed after a carriage return control command.

## Using the MFP menus

Menu item	Purpose	Values and descriptions	
Tray Renumber	<p>Configures the MFP to work with printer drivers or applications that use different source assignments for the sources: trays, the multipurpose feeder, and the manual feed slot.</p> <p><b>Note:</b> See the <i>Technical Reference</i> for more information about assigning source numbers.</p>	Assign MP Feeder	Off—The MFP uses factory default source assignments.
		Off*	None—Source ignores the Select Paper Feed command. None appears only if it is the current default. None must be selected by the PCL interpreter.
		None	0—199—Select a numeric value to assign a custom value to a source.
		0—199	
Tray Renumber		Assign Tray [x]	Off—The MFP uses factory default source assignments.
		Off*	None—Source ignores the Select Paper Feed command. None appears only if it is the current default. None must be selected by the PCL interpreter.
		None	0—199—Select a numeric value to assign a custom value to a source.
		0—199	
Tray Renumber		Assign Env Feeder	Off—The MFP uses factory default source assignments.
		Off*	None—Source ignores the Select Paper Feed command. None appears only if it is the current default. None must be selected by the PCL interpreter.
		None	0—199—Select a numeric value to assign a custom value to a source.
		0—199	
Tray Renumber		Assign Manual Paper	Off—The MFP uses factory default source assignments.
		Off*	None—Source ignores the Select Paper Feed command. None appears only if it is the current default. None must be selected by the PCL interpreter.
		None	0—199—Select a numeric value to assign a custom value to a source.
		0—199	
Tray Renumber		Assign Man Env	Off—The MFP uses factory default source assignments.
		Off*	None—Source ignores the Select Paper Feed command. None appears only if it is the current default. None must be selected by the PCL interpreter.
		None	0—199—Select a numeric value to assign a custom value to a source.
		0—199	

## Using the MFP menus

Menu item	Purpose	Values and descriptions	
Tray Renumber (continued)		View Factory Default	Shows the factory default value assigned to each source. For example: MPF Default = 8 T1 Default = 1 T2 Default = 4 T3 Default = 5 T4 Default = 20 T5 Default = 21 Env Default = 6 MPaper Default = 2 MEnv Default = 3 The menu item is for viewing information only. No item in the value list can be selected. All possible options appear even if they are not installed.
		Restore Defaults Yes No	Select <b>Yes</b> to return all source assignments to factory default values.

### PDF Menu

Use these menu items to change printer settings that affect PDF jobs.

Menu item	Purpose	Values and descriptions	
Scale to Fit	Scales page content to fit the selected print media size.	Yes No*	Yes—Scales the page to fit the selected print media. No—Does not scale the page; printed text or graphics are 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.

### HTML Menu

These menu items are used to change the printer HTML settings.

Menu item	Purpose	Values and descriptions	
Font Name	Sets the default font for HTML documents. <b>Note:</b> 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*)	Select point sizes from 1 to 255 points in 1 point increments.
Scale	Scales the default font for HTML documents.	1%–400% (100%*)	Select scale sizes from 1 to 400% in 1% increments.
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. <b>See Duplex Bind on page 76</b> for more information about short and long edges.
Margin Size	Sets the page margin for HTML documents.	8 mm–255 mm (19 mm*)	Sets 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

These menu items are used to change the size or orientation of a printed image or to invert a printed image.

Menu item	Purpose	Values and descriptions	
Auto Fit	Selects optimal print media size, scaling, and orientation.	On* Off	<b>Note:</b> 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*	<b>Note:</b> Does not apply to GIF or JPEG.

## Using the MFP menus

Menu item	Purpose	Values and descriptions	
Scaling	Scales the image to fit the print media size.	Anchor Top Left Best Fit* Anchor Center Fit Height / Width Fit Height Fit Width	<b>Note:</b> When the Auto Fit setting is set to On, Scaling is automatically set to Best Fit.
Orientation	Sets the image 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. See <b>Duplex Bind</b> on page 76 for more information about short and long edges.

## Security

These menu items are used to set security levels on individual print jobs requiring a PIN and securing setup.

Menu item	Purpose	Values and descriptions	
Authentication Method		Authentication disabled* Internal NTLM Kerberos 5 LDAP LDAP + GSSAPI	If Authentication disabled is selected, Function Access settings requiring user IDs or passwords are ignored. See <b>Function Access</b> for more information. <b>Note:</b> For LDAP and LDAP + GSSAPI, use the MFP Embedded Web Server (EWS) interface.
Auto 'Log out' delay	Sets a delay in seconds at the home screen before an authenticated user is automatically logged off.	1–60 (3*)	
Scan to PC Port Range	This menu item is used by the system support person who has a port-blocking firewall between the MFP and their users.	text entry	Valid text entries are two sets of numerical values separated by a colon. The default is an empty text entry field.



## Using the MFP menus

Menu item	Purpose	Values and descriptions	
Function Access		Menus Enabled* Disabled	If Disabled is selected and set as the user default, then access to everything from the Menu button is disabled.
		Copy Access No authentication required* Require User ID only Require User ID and Password Function disabled	If Function Disabled is selected, the menu item does not appear on the LCD. See <b>Functions disabled transitional messages</b> for more information.
		Fax Access No authentication required* Require User ID only Require User ID and Password Function disabled	If Function Disabled is selected, the menu item does not appear on the LCD. See <b>Functions disabled transitional messages</b> for more information.
		E-mail Access No authentication required* Require User ID only Require User ID and Password Function disabled	If Function Disabled is selected, the menu item does not appear on the LCD. See <b>Functions disabled transitional messages</b> for more information.
		FTP Access No authentication required* Require User ID only Require User ID and Password Function disabled	This menu item and its values control access to the Scan to FTP function. If Function Disabled is selected, the menu item does not appear on the LCD. See <b>Functions disabled transitional messages</b> for more information.
		Held Jobs Access No authentication required* Require User ID only Require User ID and Password Function disabled	If Function Disabled is selected, the menu item does not appear on the LCD. See <b>Functions disabled transitional messages</b> for more information.

## Using the MFP menus

Menu item	Purpose	Values and descriptions	
Function Access (continued)		Flash Drive Scan No authentication required* Require User ID only Require User ID and Password Function disabled	<p>Selecting Function Disabled prevents the Scan button from appearing. Selecting No authentication required lets any user perform the scan.</p> <p>If either Require User ID only or Require User ID and Password is selected, when the Scan to USB Drive button is touched, a prompt for authentication appears. The same prompt occurs if a function button, like Scan or E-mail, is touched on the home screen.</p> <p>If Function Disabled is selected, the menu item does not appear on the LCD.</p> <p>See <b>Functions disabled transitional messages</b> for more information.</p>
		Flash Drive Print No authentication required* Require User ID only Require User ID and Password Function disabled	<p>Selecting Function Disabled causes any file on the Flash Drive to be unprintable. When the file is selected for printing, an unrecognized file screen appears. The only choice is to delete the file.</p> <p>Selecting Require User ID only or Require User ID and Password causes the authentication screen to appear when the Print button is touched. The user must log on before printing takes place.</p> <p>If Function Disabled is selected, the menu item does not appear on the LCD.</p> <p>See <b>Functions disabled transitional messages</b> for more information.</p>
		Lexmark Embedded Solutions (LES) Access No authentication required* Require User ID only Require User ID and Password Function disabled	<p>If Function Disabled is selected, the menu item does not appear on the LCD.</p> <p>See <b>Functions disabled transitional messages</b> for more information.</p>
Confidential Print	This menu item appears on the Web page only; it does not appear on the control panel LCD.	Max Invalid PIN Off* 2–10	This menu item only appears when a hard disk is installed. It counts the number of times an invalid PIN for a user name is entered before all the jobs are deleted.
		Job Expiration Off* 1 hour 4 hours 24 hours 1 week	Specifies the amount of time a confidential job is held in memory before it is deleted.

## Using the MFP menus

Menu item	Purpose	Values and descriptions	
Protect Menus	These security menu items are always password protected when either an Advanced Password or a User Password is set. If both passwords are set, only the Advanced Password is valid.	Paper Menu Not protected Accept Advanced Password only* Accept Advanced or User Passwords	Protection is not applied unless the password is set, meaning that the password field cannot be a null field.
		Reports Not protected Accept Advanced Password only* Accept Advanced or User Passwords	Protection is not applied unless the password is set, meaning that the password field cannot be a null field.
		Settings Not protected Accept Advanced Password only* Accept Advanced or User Passwords	Protection is not applied unless a valid password is set, meaning that the password field cannot be a null field. The password protects General Settings, Copy Settings, Fax Settings, E-mail Settings, FTP Settings, Print Settings, and Set Date and Time. Security is protected when a password is set.  If both the Advanced and User Passwords are set, only the Advanced Password is valid for security.
		Network/Ports Not protected Accept Advanced Password only* Accept Advanced or User Passwords	Protection is not applied unless the password is set, meaning that the password field cannot be a null field.
		Shortcuts Not protected Accept Advanced Password only* Accept Advanced or User Passwords	Protection is not applied unless the password is set, meaning that the password field cannot be a null field.
		Supplies Menu Not protected Accept Advanced Password only* Accept Advanced and User Passwords	Protection is not applied unless the password is set, meaning that the password field cannot be a null field.
		Create Scan Profile Not protected Accept Advanced Password only* Accept Advanced and User Passwords	Protection is not applied unless the password is set, meaning that the password field cannot be a null field.  Protects the button on the Web pages that is used to start the Scan to PC applet.

## Using the MFP menus

Menu item	Purpose	Values and descriptions	
Protect Menus (continued)		LES configuration Not protected Accept Advanced Password only* Accept Advanced or User Passwords	Protection is not applied for Lexmark Embedded Solutions (LES) configuration unless the password is set, meaning that the password field cannot be a null field.
Create/Change Passwords	See <b>Create, Change, or Remove Passwords on page 93.</b>		
NTLM Authentication Setup	Allows registration or removing registration of the MFP with an NT domain by a user with administrator privileges on the domain.  <b>Note:</b> Either <b>Registered</b> or <b>Not Registered</b> appears on the status message bar. <b>Continue</b> is the pop-up message for removing registration.	Domain Name Domain PDC Name	Domain Name—Enter the text entry for the domain name. The factory default for the variable domain name is <domain>. Use the virtual alphanumeric keyboard to enter the text.  Domain PDC Name—Enter the text entry for the domain PDC name. The factory default for the Domain PDC Name variable is an asterisk (*). Use the virtual alphanumeric keyboard to enter the text.  <b>Note:</b> Other pop-up messages include: <ul style="list-style-type: none"> <li>• Unregistering this device will prevent any use of NTLM authentication until the device is registered again.</li> <li>• Keep registration</li> <li>• Unregister now</li> </ul>

### Create, Change, or Remove Passwords

#### Create, Change, or Remove Advanced Password

Menu item	Values and descriptions		Pop-up message
Password	text entry	The range for a password is 8–127 characters. If a password less than eight characters is entered, a pop-up message appears to instruct the user to enter a password of a minimum of eight characters.	Password must be a minimum of 8 characters.
Reenter Password	text entry	This entry must match the Password field or an error pop-up message appears.	Password and Reenter Password did not match.

#### Create, Change, or Remove User Password

Menu item	Values and descriptions		Pop-up message
Password	text entry	The range for a password is 8–127 characters. If a password less than eight characters is entered, a pop-up message appears to instruct the user to enter a password of a minimum of eight characters.	Password must be a minimum of 8 characters.
Reenter Password	text entry	This entry must match the Password field or an error pop-up message appears.	Password and Reenter Password did not match.

#### Create, Change, or Remove Device Lockout PIN

Menu item	Values and descriptions		Pop-up message
PIN	4-digit numeric entry	This must be a 4-digit entry. Valid entries are numerals 0–9. The PIN lets anyone lock the MFP for all activity at the MFP. If a password of less than four digits or any numerals other than 0–9 are entered, a pop-up message appears, and the field is cleared. This menu item appears only if a nondefective hard disk is installed.	PIN must be 4 digits.
Reenter PIN	4-digit numeric entry	This entry must match the PIN field or an error pop-up message appears, and the field is cleared.	PIN and Reentered PIN did not match.

## Set Date and Time

Menu item	Purpose	Values and descriptions	
Time Zone	Sets the time zone for the fax.	Not Set* US Hawaii US Alaska US/Can Pacific Tijuana US/Can Mountain US/Can Central US/Can Eastern US/Can Atl Newfoundland Brasilia, Braz. Mid-Atlantic Azores Cape Verde Is. GMT Ireland London Central Europe Amsterdam Berlin Bern Brussels Lisbon Madrid Paris	Prague Rome Stockholm Vienna Warsaw Eastern Europe Cairo Helsinki Athens Istanbul Israel South Africa Moscow Tehran, Iran Beijing, China Urumqi Aus Western Aus Central Aus Eastern Queensland Tasmania Northern Ter. New Zealand Korea Japan
Current Date and Time	This is a display item only.	YYYY-MM-DD HH:MM	The current year, month, date, hour, and minute appear.
Year	Allows a manual change to the year.	2003–2028	Year is expressed in one-year increments.
Month	Allows a manual change to the month.	January February March April May June July August September October November December	
Day	Allows a manual change to the date.	1–31	Day is expressed in one-day increments. If Day is set to a date that is not in the month, the month changes, and the new date moves into that month. For example, if June 31 is set, it becomes July 1. If June 32 is set, it becomes July 2.
Hour	Allows a manual change to the hour.	0–23	The hour is expressed in one-hour increments.
Minute	Allows a manual change to the minute.	0–59	The minute is expressed in one-minute increments.

## Using the MFP menus

Menu item	Purpose	Values and descriptions	
DST Mode	Allows methods of changing Daylight Savings Time (DST) Mode.	Automatic*	The time is set by the time server.
		Manual	The time is hand set.
Daylight Savings		Yes No	The default value depends on the date and time. <b>Note:</b> Once this value is changed, change DST mode to Manual.
Time Server		IP None	
Time Server Name		text field	
Allow NTP Broadcast		Yes No*	Select the check box for Yes. Clear the check box for No.

## Help Pages

These menu items are used to print some or all of the resident **Help Pages**. These pages contain information about MFP settings for copy, fax, e-mail, and FTP.

If the control panel is set to a language other than English, Brazilian Portuguese, French, German, Spanish, or Italian the document prints in English.

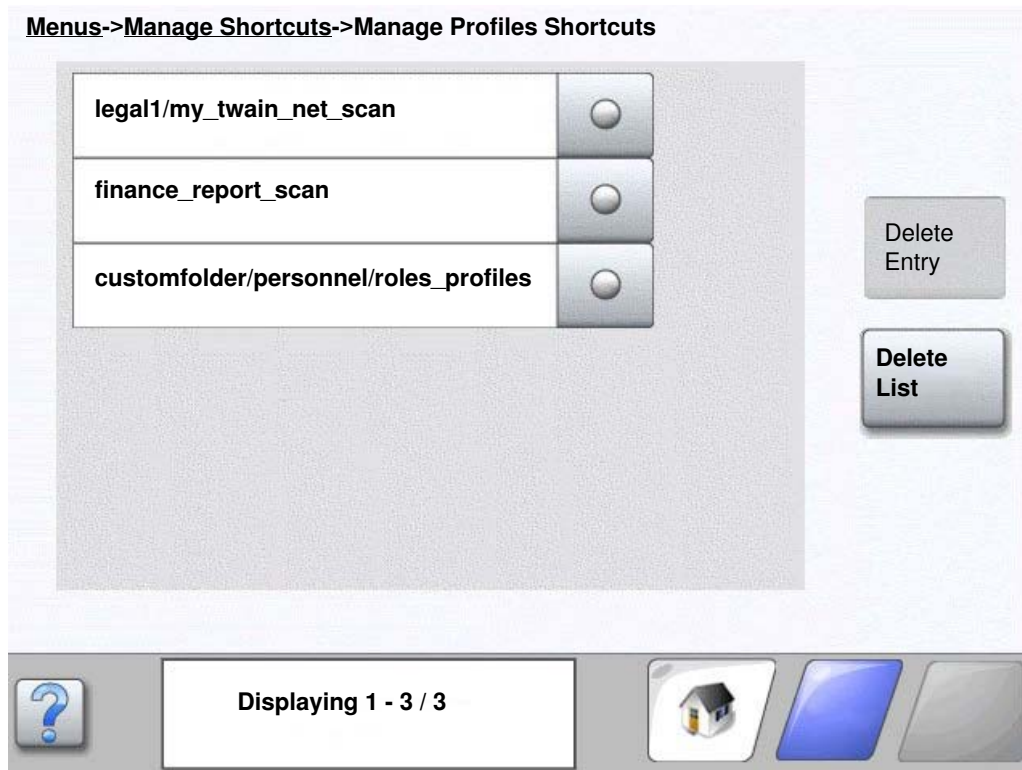
The **Help** menu pages can be printed in the following languages from the *Software and Documentation* CD.

English	Spanish	Dutch	Polish
Brazilian Portuguese	Italian	Finnish	Russian
French	Danish	Norwegian	Swedish
German			

Menu item	Purpose	Values and descriptions
Print All	Prints all <b>Help Pages</b> menu topics.	After selecting this menu item, the <b>Help Pages</b> print, and the MFP returns to <b>Ready</b> .
Information Guide	Prints the Information guide.	
Copying	Prints the Copy guide on making copies and changing settings.	
E-mail	Prints the E-mail guide on sending jobs to addresses, using shortcut numbers, and using address books.	
Faxing	Prints the Fax guide on typing fax numbers, using shortcut numbers, and faxing to one or more recipients.	
FTP	Prints the FTP guide on scanning items to send to an FTP site.	After selecting this menu item, the <b>Help Pages</b> print, and the MFP returns to <b>Ready</b> .

### ***Manage Shortcuts***

To manage Fax, E-mail, FTP, and Profile shortcuts, only deletions of an entry or a complete list are possible. Use the up and down arrows to scroll through the listing of shortcut items if there are enough entries on the screen for the up and down arrows to appear. The following example shows a Profile shortcuts screen with no items in the list selected. It does not show arrows since there are only three shortcuts listed which all appear on one screen. As the status message bar indicates, it shows 1 to 3 entries of a total of 3 entries. If there were more entries, scrolling up and down with arrows would be possible. Since none of the entries are selected, Delete Entry is an unavailable button, meaning it is not active. Only the Delete List button is available.

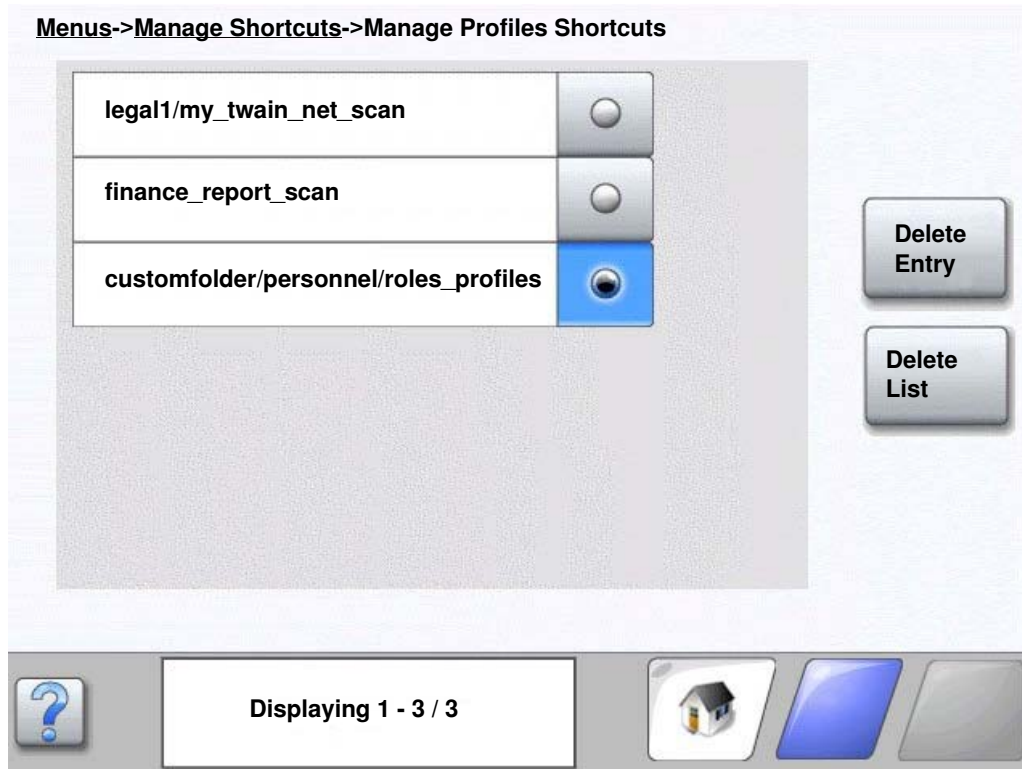




## Using the MFP menus

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Touch the radio button beside the one listing needed, and it changes to a selected radio button as shown by the blue color. **Delete Entry** is now active. Touch **Delete Entry** to delete the selected entry.



The Fax, E-mail, and FTP manage shortcut screens work in the same manner.

# 2

## Understanding MFP messages

Messages appear on the MFP control panel describing the current state of the MFP and indicating possible MFP problems requiring intervention.

### Status messages

Status messages provide information on the status of the MFP.

Message	Meaning	Action
Bin [x] Full	x represents the number of the output bin that is full when the MFP bins are linked.	Remove print media from the bins. The message clears once the output level of the linked bins is no longer full. <b>Note:</b> The message appears on the Menu Settings Page also. See <b>Menu Settings Page</b> for more information.
Busy	The MFP is busy receiving, processing, or printing data.	Press <b>Stop</b> to access the job queue.
Flushing Buffer	The MFP flushes corrupted data and discards the current print job.	
Hex Trace	The MFP is in Hex Trace mode. Hex Trace isolates the source of a print job problem. When Hex Trace is active, all data sent to the MFP prints in hexadecimal and character representation.	Exit Hex Trace to print jobs normally. To exit Hex Trace, unplug the MFP.
[linked set bin name] Full	The linked set of bins with a previously defined name is full.	Remove print media from the bins. The message clears once the output level of the linked bins is no longer full. <b>Note:</b> The message appears on the Menu Settings Page also. See <b>Menu Settings Page</b> for more information.
Maintenance	The MFP maintenance counter has exceeded its limit, so the MFP requires maintenance.	Replace the maintenance items. If necessary, reset the MFP maintenance counter.
Network Network [x] Network [x], [y]	A network interface is the active communication link.	Wait for the message to clear. <b>Notes:</b> <ul style="list-style-type: none"> <li>The current interface appears on the Menu Settings Page. Interfaces shown without an x or y means the active host interface is a standard interface.</li> <li>x indicates the active interface is connected to the MFP through PCI connector x.</li> <li>x, y indicates the active interface is connected to the MFP through channel y on PCI connector x, or that x equals 0 on the standard network interface.</li> </ul>
Parallel Parallel [x]	A parallel interface is the active communication link.	
Serial [x]	A serial interface is the active communication link.	
USB USB [x]	The MFP is processing data through the specified USB port.	
[PJL RDYMSG]	This is the Printer Job Language (PJL) Ready message.	

## Understanding MFP messages

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Message	Meaning	Action
<b>Power Saver</b>	The MFP is ready to receive and process data. It is reducing its electricity consumption while idle. If the MFP remains inactive for the period of time specified in the Power Saver menu item (60 minutes is the factory default), the <b>Power Saver</b> message replaces the <b>Ready</b> message.	Send a job to print. Press any control panel button.
<b>Printing</b>	The MFP is printing a job.	
<b>Printing page [x]</b>	A sheet of print media moves through the MFP to be printed.  x represents the number of the sheet being printed. Even though a duplex (two-sided) sheet has two sides, called pages, it only counts as one sheet.	
<b>Printing page [x], copy [a]/[b]</b>	A sheet of print media moves through the MFP to be printed.  x represents the number of the sheet being printed. Even though a duplex sheet has two sides, called pages, it only counts as one sheet, so pages are not counted, only sheets passing through the MFP.  The total number of sheets in a set is not known, but the number of sets is known. For example, a user may have requested that three copies print, so there are three sets of sheets, but the number of sheets is unknown.	
<b>Printing page [x]/[y], copy [a]/[b]</b>	A sheet of print media moves through the MFP to be printed.  x represents the number of the sheet being printed. A sheet is considered a front and back page of one piece of print media. A group of sheets is called a set. y represents the total number of sheets in a set.  a is the number of the current set printing. b is the total number of sets to be printed. For example, a user may send a 6-page duplex print job and select three copies to print, so there are three sheets to print for each job. This makes one set. Three sets must print before the user has the complete job.	
<b>Ready</b>	The MFP is ready to receive and process jobs.	Print, fax, scan, e-mail, copy, or use FTP.
<b>Scanner automatic document feeder cover open</b>	The automatic document feeder (ADF) cover is open.	Close the cover.

## Understanding MFP messages

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Message	Meaning	Action
<b>Standard Bin Full</b> <b>Bin [x] Full</b> <b>[bin name] Full</b>	<p>The standard bin is full.</p> <p>x represents the number of the bin that is full.</p> <p>[bin name] specifies a previously defined name for the bin, such as Mary's bin, and it is full.</p>	<p>Remove the stack of print media from the standard output bin or from the specified bin to clear the message.</p> <p><b>Note:</b> These messages appear on the Menu Settings Page also. See <b>Menu Settings Page</b> for more information.</p>
<b>Toner Low</b>	<p>The toner cartridge is low on toner.</p> <p>The Menu Settings Page shows the level. It takes an unspecified amount of time for the MFP to read the level of toner. Until the level is read, the MFP does not show the message.</p>	<ul style="list-style-type: none"> <li>The message clears automatically when the cover or door over the toner cartridge is opened or if the MFP power is turned off and then on.</li> <li>Replace the toner cartridge. If it is not replaced, the MFP issues the message again when the door or cover is closed.</li> </ul>
<b>Tray [x] Empty</b>	<p>x represents the number of the tray.</p> <p>The tray has no print media installed.</p>	<ol style="list-style-type: none"> <li>1 Remove the tray. The message clears.</li> <li>2 Install print media in the tray according to the <i>User's Guide</i>.</li> <li>3 Insert the tray.</li> </ol>
<b>Tray [x] Low</b>	<p>x specifies the number of the tray that is low.</p>	Load print media into the specified tray to clear the message.
<b>Tray [x] Missing</b>	<p>x represents the number of the tray missing from the MFP.</p> <p>The message is on the Menu Settings Page also.</p>	Insert the tray to clear the message.
<b>Waiting</b>	<p>The MFP receives a page of data to print but waits for an End of Job command, a Form Feed command, or additional data.</p>	<p>Press <b>Stop</b>. Touch <b>Continue</b> to print the contents of the buffer.</p> <p>Cancel the current job.</p> <p>Wait for the message to clear.</p>

### ***Fax status messages***

Message	Meaning
Answering	The MFP is answering a fax call.
Call complete	A fax call is completed.
Connect <x>bps	The fax is connected. x is the baud rate per second.
Dialing	A fax number is dialed. If the number is too long to fit on the screen, only the word <b>Dialing</b> appears.
Fax failed	The fax failed to send.
Fax memory full	The attempted fax job is canceled since memory is full.
Job stored for delayed transmission.	The scanning completes for a delayed send fax job.
Line busy	A fax number is dialed, but the fax line is busy.
No answer	A fax number is dialed, but no connection is made.
No dial tone	The MFP does not have a dial tone.
Queued for sending	The scanning process of a fax job completed, but it is not sent yet because another fax job is being sent or received. As this one job waits for its turn, this message appears for three seconds.
Receive complete	The MFP has received an entire fax job.
Receiving page [n]	The MFP receives page [n] of the fax job, where n is the number of the page received.
Sending page [n]	The MFP sends page [n] of the fax job, where n is the number of the page sent.
Set clock	The Real Time Clock is not set. This message appears if no other fax status message appears. It remains until the clock is set. Set the clock.
Waiting for redial	The MFP is waiting to redial the fax number.

### ***Cancel jobs messages***

Message	Meaning
Deleting selected job(s)	The Delete button is touched after jobs have been selected.
Job cannot be deleted	A job in the job list is touched, but it cannot be canceled.
No jobs selected	The Delete button is touched when no jobs are selected.

### ***Password and PIN messages***

Message	Meaning	Action
Invalid or incorrect password.	An incorrect password is entered.	Touch <b>Continue</b> to return to the screen to enter a correct password.
Invalid PIN.	An incorrect Personal Identification Number (PIN) is entered.	Touch <b>Continue</b> to return to the screen to enter a correct PIN.

### ***Copy, e-mail, fax, FTP, and scan button messages***

Message	Meaning	Action
Insufficient resources. Try again when the system is idle.	There are not enough system resources at this time.	Try again after the current job is complete.
System busy, preparing resources for job.	Not all resources needed for the job are available.	Wait for the message to clear.
System busy, preparing resources for job. Deleting held job(s).	Not all resources needed for the job are available. Some held jobs are deleted to free system memory.	Wait for the message to clear.

### ***Attendance messages***

Attendance messages indicate errors that the user may need to resolve before continuing to print, scan, fax, e-mail, or use FTP.

Message	Meaning	Action
Change [src] to [Custom String]	Lets the user override the current print media source for the remainder of the print job. The formatted page prints as is on the print media installed in the tray. This may cause clipping of text or images.	Touch <b>Use current [src]</b> to ignore the message and print on the print media loaded in the tray. Touch <b>Continue</b> : <ul style="list-style-type: none"><li>• which continues the job if the correct size and type are loaded in the tray, and this size and type are specified in the <b>Paper Menu</b> using the control panel.</li><li>• which is ignored if there is no print media in the tray.</li></ul> Touch <b>Cancel job</b> to cancel the current job if needed.
Change <src> to <Custom Type Name>	New print media is required to finish a print job.	Load the indicated source with the requested size and type of print media. Touch <b>Continue</b> to print with print media currently in the tray.

## Understanding MFP messages

Message	Meaning	Action
Change [src] to [size]	Lets the user override the current print media source for the remainder of the print job. The formatted page prints as is on the print media installed in the tray. This may cause clipping of text or images.	Touch <b>Use current [src]</b> to ignore the message and print on the print media loaded in the tray. Touch <b>Continue</b> : <ul style="list-style-type: none"> <li>• which continues the job if the correct size and type are loaded in the tray, and this size and type are specified in the <b>Paper Menu</b> using the control panel.</li> <li>• which is ignored if there is no print media in the tray.</li> </ul> Touch <b>Cancel job</b> to cancel the current job if needed.
Change [src] to [size] [type]	Lets the user override the current print media source for the remainder of the print job. The formatted page prints as is on the print media installed in the tray. This may cause clipping of text or images.	Touch <b>Use current [src]</b> to ignore the message and print on the print media loaded in the tray. Touch <b>Continue</b> : <ul style="list-style-type: none"> <li>• which continues the job if the correct size and type are loaded in the tray, and this size and type are specified in the <b>Paper Menu</b> using the control panel.</li> <li>• which is ignored if there is no print media in the tray.</li> </ul> Touch <b>Cancel job</b> to cancel the current job if needed.
Check duplex connection	All trays below the duplex unit are unavailable, leaving only Tray 1 available.  If the duplex unit was removed, and the trays below are reattached, then all the trays are available.  The message clears once communication is re-established.	Touch <b>Continue</b> to reconfigure the printer. It resumes printing without the duplex unit and assumes the unit is unplugged or has lost communication.
Check tray [x] connection	Tray [x] is not fully connected to the printer or it has a hardware failure. x represents the number of the tray. The message clears once communication is re-established.	If the cause is a hardware failure, turn the printer off, wait 10 seconds, and then turn the printer on. If the error recurs, turn the printer off and remove the offending tray.  Touch <b>Continue</b> to reconfigure the printer to not have tray [x]. Tray [x] and all trays installed below it are ignored.
Clean scanner backing strip	During a scanner calibration, the firmware detected the scanner backing strip for the backside of scan jobs may be dirty.	Touch <b>Cancel Job</b> if a scan job is processing when the attendance message appears. This cancels the job and clears the message.  Touch <b>Scan from Automatic Document Feeder</b> if the page jam recovery is active. Scanning resumes from the ADF immediately after the last successfully scanned page.  Touch <b>Scan from flatbed</b> if page jam recovery is active. Scanning resumes from the flatbed immediately after the last successfully scanned page.  Touch <b>Finish job without further scanning</b> if page jam recovery is active. The job ends at the last successfully scanned page, but the job is not canceled. Successfully scanned pages go to their destination: copy, fax, e-mail, or FTP.  Touch <b>Restart job</b> if job recovery is active and the job is restartable. The message clears. A new scan job containing the same parameters as the previous job starts.

## Understanding MFP messages

Message	Meaning	Action
Clean scanner glass	During a scanner calibration, the firmware detected the scanner ADF or the flatbed (scanner) glass may be dirty.	<p>Touch <b>Cancel Job</b> if a scan job is processing when the attendance message appears. This cancels the job and clears the message.</p> <p>Touch <b>Scan from Automatic Document Feeder</b> if the page jam recovery is active. Scanning resumes from the ADF immediately after the last successfully scanned page.</p> <p>Touch <b>Scan from flatbed</b> if page jam recovery is active. Scanning resumes from the flatbed immediately after the last successfully scanned page.</p> <p>Touch <b>Finish job without further scanning</b> if page jam recovery is active. The job ends at the last successfully scanned page, but the job is not canceled. Successfully scanned pages go to their destination: copy, fax, e-mail, or FTP.</p> <p>Touch <b>Restart job</b> if job recovery is active and the job is restartable. The message clears. A new scan job containing the same parameters as the previous job starts.</p>
Close door or insert cartridge	The MFP detected the upper front door is open or a toner cartridge is missing.	<ul style="list-style-type: none"> <li>• Close the upper front door.</li> <li>• Install the toner cartridge.</li> </ul>
Close finisher side door	The MFP detected the finisher side door is open.	Close the finisher side door to clear the message.
Close finisher top cover	The MFP detected the finisher top cover is open.	Close the finisher top cover to clear the message.
Fax Memory Full	There is no memory to complete a fax job. Any attempted fax jobs are canceled.	Touch <b>Continue</b> to clear the message.
If restarting job, replace originals that have not begun to exit the scanner.	One or more messages that interrupted a scan job are now cleared. A situation exists where a page is not completely scanned, but not fully exited the ADF.	<p>Replace the original documents in the scanner to restart the scan job.</p> <p>Touch <b>Restart job</b> if <i>page level recovery</i> is active and the job is restartable. The message clears. A new scan job containing the same parameters as the previous job starts.</p> <p>Touch <b>Cancel Job</b> if a scan job is processing when the attendance message appears. This cancels the job and clears the message.</p> <p>Touch <b>Scan from Automatic Document Feeder</b> if the page jam recovery is active. Scanning resumes from the ADF immediately after the last successfully scanned page.</p> <p>Touch <b>Scan from flatbed</b> if page jam recovery is active. Scanning resumes from the flatbed immediately after the last successfully scanned page.</p> <p>Touch <b>Finish job without further scanning</b> if page jam recovery is active. The job ends at the last successfully scanned page, but the job is not canceled. Successfully scanned pages go to their destination: copy, fax, e-mail, or FTP.</p>
Insert staple cartridge	The staple cartridge is missing from the MFP.	<p>Install a staple cartridge to clear the message.</p> <p>Touch <b>Continue</b> to clear the message and print without using the staple feature.</p>



## Understanding MFP messages

Message	Meaning	Action
Insert tray [x]	Occurs when the MFP detects a missing tray. x can be 1, 2, 3, 4, or 5.	Insert the specified tray to clear the message. Touch <b>Cancel Job</b> to cancel the current job if needed. Touch <b>Reset Active Bin</b> to change to another linked bin.
Install bin <x>	The MFP detects that bin [x] is missing where x is the number of the bin. This message occurs when pages are formatted when the bin is present, but before the pages are printed. Between the formatting and printing time, the optional bin is removed from the MFP.	<ul style="list-style-type: none"> <li>Turn the MFP off, unplug the power cord from the wall outlet, install the specified bin, connect the power cord to a properly grounded outlet, and then restart the MFP.</li> <li>Touch <b>Cancel Job</b> to cancel the current job.</li> <li>Touch <b>Reset Active Bin</b> to reset the active bin for a linked set of bins.</li> </ul>
Install duplex	The MFP detects that the duplex unit is missing. This message occurs when pages are formatted when the duplex unit is present, but before the pages are printed. Between the formatting and printing time, the duplex unit is removed from the MFP.	<ul style="list-style-type: none"> <li>Turn the MFP off, unplug the power cord from the wall outlet, install the duplex unit, connect the power cord to a properly grounded outlet, and then restart the MFP.</li> <li>Touch <b>Cancel Job</b> to cancel the current job.</li> </ul>
Install envelope feeder	The MFP detected the optional envelope drawer is missing between the time the job processes, but before the job prints.	Install the optional envelope drawer. The message clears. Touch <b>Cancel Job</b> if needed. Touch <b>Reset Active Bin</b> to reset the active bin for a linked set of bins.
Install tray [x]	The MFP detects that optional Tray [x], where x is the number of the tray, is missing while the job processes, but before the job prints. Sometime during processing, the optional tray is removed.	Install the optional tray specified by x. The message clears. Touch <b>Cancel Job</b> if needed. Touch <b>Reset Active Bin</b> to reset the active bin for a linked set of bins.
Insufficient Memory to Support Scanner Attachment	The printer does not have at least 256 MB of total memory; therefore, it cannot support the scanner. This message occurs only during a power-on reset.	<ol style="list-style-type: none"> <li>Turn the printer off. Turn the scanner off.</li> <li>Install additional memory in the printer, so the scanner will function with the printer.</li> <li>Turn the printer on. Turn the scanner on.</li> </ol>
Load manual feeder with [Custom String]	Occurs when the MFP receives a manual feed request that a specific print media be loaded into the multipurpose feeder. The print media is previously defined as a custom string which appears on the control panel.	Touch <b>Continue</b> . <ul style="list-style-type: none"> <li>If print media is in the multipurpose feeder, the job continues to print.</li> <li>If there is no print media in the multipurpose feeder, all requests for additional pages are automatically overridden, and print media is selected from an automatic source.</li> </ul> Touch <b>Automatically select media</b> to override manual requests for <b>Manual Paper</b> and <b>Manual Env</b> for the rest of the print job. All requests for additional pages are automatically overridden, and print media is selected from an automatic source.  Touch <b>Cancel Job</b> to cancel the current job if needed.  Touch <b>Reset Active Bin</b> to change to another linked bin.

## Understanding MFP messages

Message	Meaning	Action
Load manual feeder with [Custom Type Name]	Occurs when the MFP receives a manual feed request that specific print media be loaded into the multipurpose feeder. The print media is previously defined as a custom type from Custom 1 through Custom 6. The custom type name appears on the control panel.	<p>Touch <b>Continue</b>.</p> <ul style="list-style-type: none"> <li>If print media is in the multipurpose feeder, the job continues to print.</li> <li>If there is no print media in the multipurpose feeder, all requests for additional pages are automatically overridden, and print media is selected from an automatic source.</li> </ul> <p>Touch <b>Cancel Job</b> to cancel the current job if needed.</p> <p>Touch <b>Reset Active Bin</b> to change to another linked bin.</p>
Load manual feeder with [size]	Occurs when the MFP receives a manual feed request for a specific size of print media when none is loaded into the multipurpose feeder.	<p>Feed a sheet of print media into the multipurpose feeder to clear the message and continue the job.</p> <p>Touch <b>Continue</b> if print media is in the multipurpose feeder. The job continues.</p> <p>Touch <b>Continue</b> if there is no print media in the multipurpose feeder. All requests for additional pages are automatically overridden, and print media is selected from an automatic source.</p> <p>Touch <b>Cancel Job</b> to cancel the current job if needed.</p> <p>Touch <b>Reset Active Bin</b> to change to another linked bin.</p>
Load manual feeder with [type] [size]	Occurs when the MFP receives a manual feed request for a specific size and type of print media when none is loaded into the multipurpose feeder.	<p>Touch <b>Continue</b> if print media is in the multipurpose feeder. The job continues.</p> <p>Touch <b>Continue</b> if there is no print media in the multipurpose feeder. All requests for additional pages are automatically overridden, and print media is selected from an automatic source.</p> <p>Touch <b>Automatically select media</b> to override manual requests for <b>Manual Paper</b> and <b>Manual Env</b> for the rest of the print job. All requests for additional pages are automatically overridden and print media is selected from an automatic source.</p> <p>Touch <b>Cancel Job</b> to cancel the current job if needed.</p> <p>Touch <b>Reset Active Bin</b> to change to another linked bin.</p>
Load [src] with [Custom String]	Occurs when a source is loaded with an incorrect print media size and type as specified in the Paper Menu.	<p>Touch <b>Continue</b>. Load the specified source that is set for the requested size and type.</p> <p>Touch <b>Cancel Job</b> to cancel the current job if needed.</p> <p>Touch <b>Reset Active Bin</b> to change to another linked bin.</p>
Load [src] with [Custom Type Name]	Occurs when a source is loaded with an incorrect print media size and type as specified in the Paper Menu.	<p>Touch <b>Continue</b>. Load the specified source that is set for the requested size and type.</p> <p>Touch <b>Cancel Job</b> to cancel the current job if needed.</p> <p>Touch <b>Reset Active Bin</b> to change to another linked bin.</p>

## Understanding MFP messages

Message	Meaning	Action
Load [src] with [size]	Occurs when a source is loaded with an incorrect print media size as specified in the Paper Menu.	<p>Touch <b>Continue</b>. Load the specified source that is set for the requested size.</p> <p>Touch <b>Automatically select media</b> to override manual requests for <b>Manual Paper</b> and <b>Manual Env</b> for the rest of the print job. All requests for additional pages are automatically overridden, and print media is selected from an automatic source.</p> <p>Touch <b>Cancel Job</b> to cancel the current job if needed.</p> <p>Touch <b>Reset Active Bin</b> to change to another linked bin.</p>
Load [src] with [type] [size]	Occurs when the MFP requests that a specific media source be loaded with a specific type and size as specified in the Paper Menu, but the current source contains an incorrect media size and type.	<p>Touch <b>Continue</b>. Load the specified source that is set for the requested size and type.</p> <p>Touch <b>Cancel Job</b> to cancel the current job if needed.</p> <p>Touch <b>Reset Active Bin</b> to change to another linked bin.</p>
Load Staples	A new staple cartridge is needed to start or continue printing a job designated for stapling.	<p>Touch <b>Continue</b> to clear the message.</p> <p>Staple action is suspended until a staple cartridge is loaded in the printer.</p>
Memory full, cannot print faxes	The attempt to print the fax jobs is automatically canceled. The Fax code recognizes that the fax job is canceled and does not delete pages in the fax job that have not printed. The Fax code does not attempt to reprint the fax causing the memory error until the MFP goes through a power on reset.	<p>Touch <b>Continue</b> to clear the message.</p> <p>Turn the MFP off and then on to reset it.</p>
Reattach bin [x]	The MFP detects that output bin [x] is missing or installed incorrectly, where x is the number of the bin. This message occurs when pages are formatted when the bin is present, but before the pages are printed. Between the formatting and printing time, the optional bin is removed from the MFP.	<ul style="list-style-type: none"> <li>• Touch <b>Continue</b> to clear the message and continue normal operation without using the specified output bin.</li> <li>• Turn the MFP off, unplug the power cord from the wall outlet, reattach the specified bin, connect the power cord to a properly grounded outlet, and then restart the MFP.</li> <li>• Touch <b>Reset Active Bin</b> to change to another linked set of bins.</li> </ul>
Reattach bins [x] - [y]	The MFP detects that output bins x-y are missing or installed incorrectly, where x and y are the numbers of the first and last bin in a group. For instance, if the MFP supported 10 bins, the message would list Bin 1 - Bin 10 even though all 10 bins are affected. This message occurs when pages are formatted when the bin is present, but before the pages are printed. Between the formatting and printing time, the optional bin is removed from the MFP.	<ul style="list-style-type: none"> <li>• Touch <b>Continue</b> to clear the message and continue normal operation without using the specified output bin.</li> <li>• Turn the MFP off, unplug the power cord from the wall outlet, reattach the specified bin, connect the power cord to a properly grounded outlet, and then restart the MFP.</li> <li>• Touch <b>Reset Active Bin</b> to change to another linked set of bins.</li> </ul>
Reattach envelope drawer	The MFP detected the optional envelope drawer is missing between the time the job processes, and when it prints. Sometime during processing, the optional envelope drawer is removed.	<p>Touch <b>Cancel Job</b> to clear the message and continue without using the optional envelope drawer.</p> <p>Install the optional envelope drawer.</p>

## Understanding MFP messages

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Message	Meaning	Action
Remove paper from all bins	All output bins are full.	Remove the print media from all output bins. The MFP automatically senses print media removal and resumes printing.  If removing the print media does not clear the message, touch <b>Continue</b> .
Remove paper from bin [x]	The specified output bin is full.	Remove the stack of paper from the specified bin. The MFP automatically senses print media removal and resumes printing.  If removing the print media does not clear the message, touch <b>Continue</b> .
Remove paper from [linked set bin name]	The linked set of output bins previously defined with a specific name by the user or system support person is full.	Remove the print media from all the linked output bins. The MFP automatically senses print media removal and resumes printing.  If removing the print media does not clear the message, touch <b>Continue</b> .
Remove paper from standard output bin	The standard output bin is full of print media.	Remove the stack of print media from the bin to clear the message and resume printing.  Touch <b>Continue</b> to make the MFP recheck the output level in the standard output bin.
Replace all originals if restarting job.	One or more messages that interrupted a scan job are now cleared. Replace the original documents in the scanner to restart the scan job.	Touch <b>Restart job</b> if <i>job level recovery</i> is active and the job is restartable. The message clears. A new scan job containing the same parameters as the previous job starts.  Touch <b>Cancel Job</b> if a scan job is processing when the attendance message appears. This cancels the job and clears the message.  Touch <b>Scan from Automatic Document Feeder</b> if the page jam recovery is active. Scanning resumes from the ADF immediately after the last successfully scanned page.  Touch <b>Scan from flatbed</b> if page jam recovery is active. Scanning resumes from the flatbed immediately after the last successfully scanned page.  Touch <b>Finish job without further scanning</b> if page jam recovery is active. The job ends at the last successfully scanned page, but the job is not canceled. Successfully scanned pages go to their destination: copy, fax, e-mail, or FTP.

## Understanding MFP messages

Message	Meaning	Action
Replace jammed originals if restarting job.	One or more messages that interrupted a scan job are now cleared. Replace the original documents in the scanner to restart the scan job.	<p>Touch <b>Restart job</b> if <i>page level recovery</i> is active and the job is restartable. The message clears. A new scan job containing the same parameters as the previous job starts.</p> <p>Touch <b>Cancel Job</b> if a scan job is processing when the attendance message appears. This cancels the job and clears the message.</p> <p>Touch <b>Scan from Automatic Document Feeder</b> if the page jam recovery is active. Scanning resumes from the ADF immediately after the last successfully scanned page.</p> <p>Touch <b>Scan from flatbed</b> if page jam recovery is active. Scanning resumes from the flatbed immediately after the last successfully scanned page.</p> <p>Touch <b>Finish job without further scanning</b> if page jam recovery is active. The job ends at the last successfully scanned page, but the job is not canceled. Successfully scanned pages go to their destination: copy, fax, e-mail, or FTP.</p>
Scan Document Too Long	The scan job exceeds the maximum number of pages.	<p><b>Note:</b> The scanner finishes scanning current pages in the ADF, but data is lost when the job cancels itself after reaching the maximum number of pages.</p> <p>Touch <b>Continue</b> to clear the message.</p> <p>Touch <b>Cancel Job</b> to clear the message if the job is restartable.</p> <p>Touch <b>Restart job</b> if the job is restartable. The message clears, and a new scan job containing the same parameters as the previous job starts.</p>
Scanner ADF Cover Open	The scanner automatic document feed cover is open.	The message clears when the cover is closed.
Scanner locked, release lock under scanner	The scanner carriage lock is engaged.	<p>Release the lock under the scanner.</p> <p>Touch <b>Continue</b>.</p>
Scanner registration successfully completed	Scanner registration is successful.	Touch <b>Continue</b> to clear the message.
Unsupported USB device, please remove	The front USB contains a device or hub that is not recognized.	Remove unrecognized hub or device to continue.
Unsupported USB hub, please remove	A USB hub in the front USB is not recognized.	Remove the unrecognized device to continue and clear the message.
1565 Emul error, load emulation option	<p>The download emulator contained in the firmware card does not function with the MFP firmware.</p> <p><b>Note:</b> The MFP automatically clears the message in 30 seconds and then disables the download emulator on the firmware card.</p>	For help downloading the correct download emulator version, contact the place where you bought your printer.
30.yy Invalid refill, change cartridge	The MFP detects a refilled Lexmark Cartridge Return Program print cartridge.	Install a new print cartridge to clear the message.

## Understanding MFP messages

Message	Meaning	Action
31.yy Replace defective print cartridge	The MFP detects a defective print cartridge within 10–20 seconds after the top cover is closed.	Remove the defective print cartridge and install a nondefective print cartridge for printing to continue.  During the 10–20 second interval before the defective print cartridge is detected, the MFP may continue to print pages; however, the pages are not reprinted once the new print cartridge is installed.
32.yy Replace unsupported print cartridge	The MFP detects an unsupported print cartridge within 10–20 seconds after the top cover is closed.	Remove the unsupported print cartridge and install a supported print cartridge for printing to continue.  During the 10–20 second interval before the unsupported print cartridge is detected, the MFP may continue to print pages; however, the pages are not reprinted once the new print cartridge is installed.
34 Short paper	The length of the print media is too short to print the formatted data.	Touch <b>Continue</b> to clear the message and continue printing. The MFP does not automatically reprint the page that prompted the message.  Make sure the Paper Size setting in the Paper Menu is correct for the size of print media used. If MP Feeder Size is set to Universal, make sure the print media is large enough for the formatted data.  Touch <b>Cancel Job</b> to cancel the current job if needed.
35 Insufficient memory to support Resource Save feature	The MFP lacks the memory needed to enable Resource Save. This message usually indicates too much memory is allocated for one or more of the MFP link buffers.	Touch <b>Continue</b> to disable Resource Save and continue printing.  Install additional memory.
37 Insufficient memory to collate job	The MFP cannot collate the job because the memory is full.	Touch <b>Continue</b> to print the pages processed before the memory became full. Some memory frees up, so collating begins for the remainder of the print job.  For example, if a 50-page print job is sent, and 10 copies are requested, and the MFP runs out of memory at page 30, the MFP would collate and print 10 copies of pages 1–30. The MFP would then print and collate pages 31–50 and print 10 copies of these pages.
37 Insufficient memory, some Held Jobs were deleted	Held jobs are deleted in order to process the current job.	Touch <b>Continue</b> to clear the message and continue printing.  To avoid this error in the future for other jobs, install more memory.  Touch <b>Cancel Job</b> to cancel the current job if needed.
38 Memory full	The MFP is processing data, but the memory used to store pages is full.	To avoid this error in the future:  Simplify the print job by reducing the amount of text or graphics on a page and deleting unnecessary downloaded fonts or macros.  Install additional memory.  Touch <b>Cancel Job</b> to cancel the current job if needed.  Touch <b>Reset Active Bin</b> to change to another linked bin.

## Understanding MFP messages

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Message	Meaning	Action
39 Complex page, some data may not have printed	The data for a page is too complex to print.	<p>To avoid this error in the future:</p> <p>Reduce the complexity of the page by reducing the amount of text or graphics on the page and deleting unnecessary downloaded fonts or macros.</p> <p>Set Page Protect to On in the Setup Menu in the Settings menu.</p> <p>Install additional memory.</p> <p>Touch <b>Continue</b> to continue printing the job; however, data will be missing for this page.</p> <p>Touch <b>Cancel Job</b> to cancel the current job if needed.</p> <p>Touch <b>Reset Active Bin</b> to change to another linked bin.</p>
42.xy Cartridge region mismatch	<p>x is the value of the printer region. y is the value of the cartridge region.</p> <p>The message appears when the printer detects that an installed print cartridge has a region that differs from the printer region.</p> <p>x and y can have the following values:</p> <p>0: Worldwide region  1: Americas  2: EMEA  3: Asia  4: Latin America  9: Undefined region</p>	Replace the print cartridge with one that has a proper region.
50 PPDS font error	The MFP has received a request for a font that is not installed when formatting PPDS print data.	<p>Touch <b>Continue</b> to clear the message and continue printing the current job.</p> <p>Touch <b>Cancel Job</b> to cancel the current job if needed.</p> <p>Touch <b>Reset Active Bin</b> to change to another linked bin.</p>
51 Defective flash detected	The MFP detects a defective flash memory during power-on or during flash format and write operations.	<p>Touch <b>Continue</b> to clear the message and continue printing the current job.</p> <p>At power-on reset, touch <b>Continue</b> to clear the message, and the MFP continues with normal operations except for flash operations.</p> <p>Install different flash memory to be able to download any resources to flash.</p>
52 Not enough free space in flash memory for resources	There is not enough space in the flash memory to store the data currently being downloaded.	<p>Touch <b>Continue</b> to clear the message and continue the print job.</p> <p>Install flash memory with more storage capacity.</p> <p>Download the data.</p> <p>Touch <b>Cancel Job</b> to cancel the current job if needed.</p> <p>Touch <b>Reset Active Bin</b> to change to another linked bin.</p>

## Understanding MFP messages

Message	Meaning	Action
53 Unformatted flash detected	The MFP detects unformatted flash memory.	<p>Touch <b>Continue</b> to clear the message and continue printing. The MFP continues with normal operations except for flash operations.</p> <p>Reformat the flash to allow flash operations.</p> <p>If the error message reappears, the flash memory may be defective and require replacing.</p>
54 Network [x] software error	The MFP cannot establish communications with a specified installed network port. x indicates the number of the specified port.	<ul style="list-style-type: none"> <li>• Touch <b>Continue</b> to clear the message and continue printing. The job may not print correctly.</li> <li>• The MFP disables attempts to communicate through the network interface. No data may be sent or received.</li> <li>• Reset the MFP.</li> <li>• Program new firmware for the network interface.</li> </ul>
54 Serial option [x] error	The MFP detects a serial error, such as framing, parity, or overrun on the specified optional serial port. x is the number of the optional serial port.	<ul style="list-style-type: none"> <li>• Make sure the serial link is set up correctly, and the appropriate cable is in use.</li> <li>• Make sure the serial interface parameters (protocol, baud, parity, and data bits) are set correctly on the printer and host computer.</li> <li>• Touch <b>Continue</b> to clear the message and continue processing the print job; however the print job may not print correctly.</li> <li>• Turn the MFP off and then on to reset it.</li> </ul>
54 Standard network software error	The MFP firmware detects an installed network port, but cannot establish communication with it.	<ul style="list-style-type: none"> <li>• Touch <b>Continue</b> to clear the message and continue printing. The job may not print correctly.</li> <li>• The MFP disables attempts to communicate through the network interface. No data may be sent or received.</li> <li>• Reset the MFP.</li> <li>• Program new firmware for the network interface.</li> </ul>
56 Parallel port [x] disabled	A status request occurs over the parallel port, but the parallel port is disabled.	<p>Touch <b>Continue</b>. The MFP discards any data received on the parallel port.</p> <p>Touch <b>Reset Active Bin</b> to reset the active bin for a linked set of bins.</p>
56 Serial port [x] disabled	The MFP receives data across a serial port, but the port is disabled.	<p>Touch <b>Continue</b>. The MFP discards any data received on the serial port.</p> <p>Touch <b>Reset Active Bin</b> to change to another linked bin.</p>
56 Standard parallel port disabled	The message appears when a status is requested through the parallel port, but the port is disabled.	<ul style="list-style-type: none"> <li>• Touch <b>Continue</b> to clear the message.</li> </ul> <p>The MFP discards any data received through the parallel port.</p> <ul style="list-style-type: none"> <li>• Make sure the Parallel Buffer menu item is not set to <b>Disabled</b>.</li> </ul>
56 Standard USB port disabled	The MFP receives data through a USB port, but the USB port is disabled.	<p>Touch <b>Continue</b>. The printer discards any data received through the USB port.</p> <p>Make sure the USB Buffer menu item is not set to <b>Disabled</b>.</p> <p>Touch <b>Reset Active Bin</b> to change to another linked bin.</p>



## Understanding MFP messages

Message	Meaning	Action
56 USB port [x] disabled	The MFP receives data through a specified USB port, but this USB port is disabled. x is the number of the USB port.	Touch <b>Continue</b> . The MFP discards any data received through the specified USB port. Make sure the USB Buffer menu item is not set to Disabled. Touch <b>Reset Active Bin</b> to change to another linked bin.
58 Too many trays attached	The MFP detects that too many optional drawers and their matching trays are installed.	<ol style="list-style-type: none"> <li>1 Turn the MFP off.</li> <li>2 Unplug the power cord from the wall outlet.</li> <li>3 Remove the additional drawers.</li> <li>4 Connect the power cord to a properly grounded outlet.</li> <li>5 Turn the MFP on.</li> </ol>
59 Incompatible duplex	An unsupported optional duplex unit is attached to the MFP.	Remove the optional duplex unit. The MFP ceases normal functions until the optional duplex unit is removed. Touch <b>Continue</b> to clear the message once the optional duplex unit is removed.
59 Incompatible envelope drawer	An unsupported optional envelope drawer is attached to the MFP.	Remove the optional envelope drawer. The MFP ceases normal functions until the optional envelope drawer is removed. Touch <b>Continue</b> to clear the message once the optional envelope drawer is removed.
59 Incompatible output bin [x]	An unsupported output bin is attached.	Remove the output bin, and then touch <b>Continue</b> . <b>Note:</b> Printer operations cease until the message is cleared. The only way to clear the message is to remove the bin.
59 Incompatible tray [x]	An unsupported optional drawer and its matching tray are attached to the MFP.	Remove the optional drawer. The MFP ceases normal functions until the optional drawer is removed. Touch <b>Continue</b> to clear the message once the optional drawer is removed.
80 Scheduled maintenance advised	Service is required to maintain printer performance.	Replace the maintenance items and if necessary, reset the printer maintenance counter.
88 Toner is low	The toner cartridge is running low on toner.	Replace the toner cartridge if the toner low alarm sounds. Touch <b>Continue</b> to clear the message if the toner low alarm does not sound.
232.yy Paper jam, check [area name]. Leave paper in bin.	There is a single jam in the specified area indicated by <b>area name</b> .	<ol style="list-style-type: none"> <li>1 Open the duplex unit.</li> <li>2 Clear the jam, and close the duplex unit.</li> <li>3 Touch <b>Continue</b>. If all print media is cleared from the path, the job resumes printing.</li> </ol>
232.yy Paper jam, [x] pages jammed. Leave paper in bin.	There are multiple jams. x indicates the number of jammed sheets of print media.	<ol style="list-style-type: none"> <li>1 Open the duplex unit.</li> <li>2 Clear the jams, and close the duplex unit.</li> <li>3 Touch <b>Continue</b>. If all print media is cleared from the path, the job resumes printing.</li> </ol>

## Understanding MFP messages

Message	Meaning	Action
233.yy Paper jam, check [area name]. Leave paper in bin.	There is a single jam in the specified area indicated by <b>area name</b> .	<ol style="list-style-type: none"> <li>1 Open the duplex unit.</li> <li>2 Clear the jam, and close the duplex unit.</li> <li>3 Touch <b>Continue</b>. If all print media is cleared from the path, the job resumes printing.</li> </ol>
233.yy Paper jam, [x] pages jammed. Leave paper in bin.	There are multiple jams. x indicates the number of jammed sheets of print media.	<ol style="list-style-type: none"> <li>1 Open the duplex unit.</li> <li>2 Clear the jams, and close the duplex unit.</li> <li>3 Touch <b>Continue</b>. If all print media is cleared from the path, the job resumes printing.</li> </ol>
234.yy Paper jam, check [area name]. Leave paper in bin.	There is a single jam in the specified area indicated by <b>area name</b> .	<ol style="list-style-type: none"> <li>1 Open the duplex unit.</li> <li>2 Clear the jam, and close the duplex unit.</li> <li>3 Touch <b>Continue</b>. If all print media is cleared from the path, the job resumes printing.</li> </ol>
234.yy Paper jam, [x] pages jammed. Leave paper in bin.	There are multiple jams. x indicates the number of jammed sheets of print media.	<ol style="list-style-type: none"> <li>1 Open the duplex unit.</li> <li>2 Clear the jams, and close the duplex unit.</li> <li>3 Touch <b>Continue</b>. If all print media is cleared from the path, the job resumes printing.</li> </ol>
235.yy Paper jam, check [area name]. Leave paper in bin.	There is a single jam in the specified area indicated by <b>area name</b> .	<ol style="list-style-type: none"> <li>1 Open the duplex unit.</li> <li>2 Clear the jam, and close the duplex unit.</li> <li>3 Touch <b>Continue</b>. If all print media is cleared from the path, the job resumes printing.</li> </ol>
235.yy Paper jam, [x] pages jammed. Leave paper in bin.	There are multiple jams. x indicates the number of jammed sheets of print media.	<ol style="list-style-type: none"> <li>1 Open the duplex unit.</li> <li>2 Clear the jams, and close the duplex unit.</li> <li>3 Touch <b>Continue</b>. If all print media is cleared from the path, the job resumes printing.</li> </ol>
236.yy Paper jam, check [area name]. Leave paper in bin.	There is a single jam in the specified area indicated by <b>area name</b> .	<ol style="list-style-type: none"> <li>1 Open the duplex unit.</li> <li>2 Clear the jam, and close the duplex unit.</li> <li>3 Touch <b>Continue</b>. If all print media is cleared from the path, the job resumes printing.</li> </ol>
236.yy Paper jam, [x] pages jammed. Leave paper in bin.	There are multiple jams. x indicates the number of jammed sheets of print media.	<ol style="list-style-type: none"> <li>1 Open the duplex unit.</li> <li>2 Clear the jams, and close the duplex unit.</li> <li>3 Touch <b>Continue</b>. If all print media is cleared from the path, the job resumes printing.</li> </ol>
237.yy Paper jam, check [area name]. Leave paper in bin.	There is a single jam in the specified area indicated by <b>area name</b> .	<ol style="list-style-type: none"> <li>1 Open the duplex unit.</li> <li>2 Clear the jam, and close the duplex unit.</li> <li>3 Touch <b>Continue</b>. If all print media is cleared from the path, the job resumes printing.</li> </ol>
250.yy Paper jam, check [area name]. Leave paper in bin.	There is a single jam in the specified area indicated by <b>area name</b> . <b>area name</b> is the multipurpose feeder.	<ol style="list-style-type: none"> <li>1 Clear the jam from the multipurpose feeder.</li> <li>2 Touch <b>Continue</b>. If all print media is cleared from the path, the job resumes printing.</li> </ol>
250.yy Paper jam, [x] pages jammed. Leave paper in bin.	There are multiple jams in the multipurpose feeder. x indicates the number of jammed sheets of print media.	<ol style="list-style-type: none"> <li>1 Clear the jams from the multipurpose feeder.</li> <li>2 Touch <b>Continue</b>. If all print media is cleared from the path, the job resumes printing.</li> </ol>
260.yy Paper jam, check [area name]. Leave paper in bin.	There is a single jam in the specified area indicated by <b>area name</b> . <b>area name</b> is the envelope feeder.	<ol style="list-style-type: none"> <li>1 Clear the jam from the envelope drawer.</li> <li>2 Touch <b>Continue</b>. If all print media is cleared from the path, the job resumes printing.</li> </ol>

## Understanding MFP messages

Message	Meaning	Action
260.yy Paper jam, [x] pages jammed. Leave paper in bin.	There are multiple jams in the envelope feeder. x indicates the number of jammed sheets of print media.	<ol style="list-style-type: none"> <li>1 Clear the jams from the envelope drawer.</li> <li>2 Touch <b>Continue</b>. If all print media is cleared from the path, the job resumes printing.</li> </ol>
27x.yy Paper jam, check [area name]. Leave paper in bin.	There is a single jam in the specified area indicated by <b>area name</b> . <b>area name</b> is one of the bins, and the x in 27x indicates the bin number.	<ol style="list-style-type: none"> <li>1 Clear the jam from the specified bin.</li> <li>2 Touch <b>Continue</b>. If all print media is cleared from the path, the job resumes printing.</li> </ol>
27x.yy Paper jam, [x] pages jammed. Leave paper in bin.	There are multiple jams in the envelope feeder. x indicates the number of jammed sheets of print media. The x in 27x indicates the bin number.	<ol style="list-style-type: none"> <li>1 Clear the jams from the specified bin.</li> <li>2 Touch <b>Continue</b>. If all print media is cleared from the path, the job resumes printing.</li> </ol>
280.yy Paper jam, check [area name]. Leave paper in bin.	There is a single jam in the specified area indicated by <b>area name</b> . <b>area name</b> is the finisher rear door or top cover.	<ol style="list-style-type: none"> <li>1 Open the finisher rear door or top cover.</li> <li>2 Clear the jam. Close the door or cover.</li> <li>3 Touch <b>Continue</b>. If all print media is cleared from the path, the job resumes printing.</li> </ol>
280.yy Paper jam, [x] pages jammed. Leave paper in bin.	There are multiple jams. x indicates the number of jammed sheets of print media in the finisher.	<ol style="list-style-type: none"> <li>1 Open the finisher rear door or top cover.</li> <li>2 Clear the jams. Close the door or cover.</li> <li>3 Touch <b>Continue</b>. If all print media is cleared from the path, the job resumes printing.</li> </ol>
281.yy Paper jam, check [area name]. Remove paper from bin.	There is a single jam in the specified area indicated by <b>area name</b> . <b>area name</b> is the finisher.	<ol style="list-style-type: none"> <li>1 Open the finisher rear door or top cover.</li> <li>2 Clear the jam. Close the door or cover.</li> <li>3 Touch <b>Continue</b>. If all print media is cleared from the path, the job resumes printing.</li> </ol>
281.yy Paper jam, [x] pages jammed. Remove paper from bin.	There are multiple jams. x indicates the number of jammed sheets of print media in the finisher.	<ol style="list-style-type: none"> <li>1 Open the finisher rear door or top cover.</li> <li>2 Clear the jams. Close the door or cover.</li> <li>3 Touch <b>Continue</b>. If all print media is cleared from the path, the job resumes printing.</li> </ol>
282 Staple jam, check [area name]. Remove paper from bin.	There is a single jam in the specified area indicated by <b>area name</b> . <b>area name</b> is the stapler.	<ol style="list-style-type: none"> <li>1 Lift the finisher top cover.</li> <li>2 Clear the jam.</li> <li>3 Open the stapler door.</li> <li>4 Remove the staple cartridge.</li> <li>5 Remove the jammed staples.</li> <li>6 Close the stapler door and the finisher top cover.</li> <li>7 Touch <b>Continue</b>. If all print media is cleared from the path, the job resumes printing.</li> </ol>
282 Staple jam, [x] pages jammed. Remove paper from bin.	There are multiple jams. x indicates the number of jammed sheets of print media in the stapler.	<ol style="list-style-type: none"> <li>1 Lift the finisher top cover.</li> <li>2 Clear the jams.</li> <li>3 Open the stapler door.</li> <li>4 Remove the staple cartridge.</li> <li>5 Remove the jammed staples.</li> <li>6 Close the stapler door and the finisher top cover.</li> <li>7 Touch <b>Continue</b>. If all print media is cleared from the path, the job resumes printing.</li> </ol>

## Understanding MFP messages

Message	Meaning	Action
283 Staple jam, check [area name].	There is a single jam in the specified area indicated by <b>area name</b> . <b>area name</b> is the stapler.  <b>Note:</b> After the error is cleared, the printer does not reprint any pages which existed in the accumulator for stapling.	<ol style="list-style-type: none"> <li>1 Open the stapler door.</li> <li>2 Remove the staple cartridge.</li> <li>3 Remove the jammed staple and any print media jam.</li> <li>4 Close the stapler door.</li> <li>5 Touch <b>Continue</b>. If all print media is cleared from the path, the job resumes printing.</li> </ol>
283 Staple jam, [x] pages jammed.	There are multiple jams. x indicates the number of jammed pages of print media.  <b>Note:</b> After the error is cleared, the printer does not reprint any pages that were in the accumulator for stapling.	<ol style="list-style-type: none"> <li>1 Open the stapler door.</li> <li>2 Remove the staple cartridge.</li> <li>3 Remove the jammed staple and the print media jams.</li> <li>4 Close the stapler door.</li> <li>5 Touch <b>Continue</b>. If all print media is cleared from the path, the job resumes printing.</li> </ol>
283 Paper jam, check [area name].	There is a single jam in the specified area indicated by <b>area name</b> . <b>area name</b> is area H, which is either the output expander, the high-capacity output stacker, or the 5-bin mailbox.	<ol style="list-style-type: none"> <li>1 Remove the jam from the bin.</li> <li>2 Touch <b>Continue</b>. If all print media is cleared from the path, the job resumes printing.</li> </ol>
283 Paper jam, [x] pages jammed.	There are multiple jams. x indicates the number of jammed pages of print media in either the output expander, the high-capacity output stacker, or the 5-bin mailbox.	<ol style="list-style-type: none"> <li>1 Remove the jams from the bins.</li> <li>2 Touch <b>Continue</b>. If all print media is cleared from the path, the job resumes printing.</li> </ol>
290.00 Scanner jam, remove all originals from the scanner	The scanner detects an original document at the automatic document feeder (ADF) feed sensor while it is idle. This is a type of jam. Job level recovery is active.	Remove all original documents from the ADF to clear the jam. The message clears and job recovery completes.
290.00 Scanner jam, remove jammed originals from the scanner	The scanner detects an original document at the ADF feed sensor which is the second scanning sensor while it is idle. This is a type of jam. Page level recovery is active.	Remove all original documents from the ADF to clear the jam. The message clears and page recovery completes.
290.01 Scanner jam, remove all originals from the scanner	The scanner fails to pull a sheet from the ADF.	The message clears when the scanner knows that the sheet is removed from the ADF. Job recovery completes.
290.01 Scanner jam, remove jammed originals from the scanner	The scanner fails to pull a sheet from the ADF.	The message clears when the scanner knows that the sheet is removed from the ADF. Page recovery completes.
290.02 Scanner jam, remove all originals from the scanner	The scanner fails to feed a sheet far enough into the ADF so that the ADF recognizes its presence.	The message clears when the scanner knows that the sheet is removed from the ADF. Job recovery completes.
290.02 Scanner jam, remove jammed originals from the scanner	The scanner fails to feed a sheet far enough into the ADF so that the ADF recognizes its presence.	The message clears when the scanner knows that the sheet is removed from the ADF. Page recovery completes.
290.10 Scanner jam, remove all originals from the scanner	The scanner detects an original document jam at the first scanning sensor while the scanner is idle.	Clear the jam from the scanner to clear the message. Job recovery completes.
290.10 Scanner jam, remove jammed originals from the scanner	The scanner detects an original document jam at the first scanning sensor while the scanner is idle.	Clear the jam from the scanner to clear the message. Page recovery completes.

## Understanding MFP messages

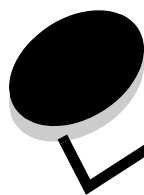
Message	Meaning	Action
291.00 Scanner jam, remove all originals from the scanner	The scanner detects an original document jam at the second scanning sensor while the scanner is idle. Job level recovery is active.	Clear the jam from the scanner to clear the message.
291.00 Scanner jam, remove jammed originals from the scanner	The scanner detects an original document jam at the second scanning sensor while the scanner is idle. Page level recovery is active.	Clear the jam from the scanner to clear the message.
291.01 Scanner jam, remove all originals from the scanner	The scanner detects an original document jam at the first scanning sensor. Job level recovery is active.	Clear the jam from the scanner to clear the message.
291.01 Scanner jam, remove jammed originals from the scanner	The scanner detects an original document jam at the first scanning sensor. Page level recovery is active.	Clear the jam from the scanner to clear the message.
291.02 Scanner jam, remove all originals from the scanner	The scanner detects an original document jam at the second scanning sensor. Job level recovery is active.	Remove all original documents from the scanner to clear the jam. The message clears.
291.02 Scanner jam, remove jammed originals from the scanner	The scanner detects an original document jam at the second scanning sensor. Page level recovery is active.	Remove all original documents from the scanner to clear the jam. The message clears.
292 Scanner jam, remove all originals from the scanner	The ADF cover is open while the ADF is feeding the original document. Job level recovery is active.	Remove all original documents from the scanner to clear the jam. The message clears.
292 Scanner jam, remove jammed originals from the scanner	The ADF cover is open while the ADF is feeding the original document. Page level recovery is active.	Remove all original documents from the scanner to clear the jam. The message clears.
293 Replace all originals if restarting job.	The MFP receives a scan job; however, there is no original document in the ADF. Job level recovery is active.	Touch <b>Continue</b> if no scan job is active when the attendance message appears. This clears the message.  Touch <b>Cancel Job</b> if a scan job is processing when the attendance message appears. This cancels the job and clears the message.
293 Replace jammed originals if restarting job.	The MFP receives a scan job; however, there is no original document in the ADF. Page level recovery is active.	Touch <b>Scan from Automatic Document Feeder</b> if the page jam recovery is active. Scanning resumes from the ADF immediately after the last successfully scanned page.  Touch <b>Scan from flatbed</b> if page jam recovery is active. Scanning resumes from the flatbed immediately after the last successfully scanned page.  Touch <b>Finish job without further scanning</b> if page jam recovery is active. The job ends at the last successfully scanned page, but the job is not canceled. Successfully scanned pages go to their destination: copy, fax, e-mail, or FTP.  Touch <b>Restart job</b> if job recovery is active and the job is restartable. The message clears. A new scan job containing the same parameters as the previous job starts.

## Understanding MFP messages

Message	Meaning	Action
294.00 Scanner jam, remove all originals from the scanner	The scanner detects a jam at the ADF exit sensor while the scanner is idle. Job level recovery is active.	Remove all original documents from the ADF to clear the jam. The message clears.
294.00 Scanner jam, remove jammed originals from the scanner	The scanner detects a jam at the ADF exit sensor while the scanner is idle. Page level recovery is active.	Remove all original documents from the ADF. The message clears.
294.01 Scanner jam, remove all originals from the scanner	The scanner detects a jam at the ADF exit sensor while the scanner is idle. Job level recovery is active.	Remove all original documents from the ADF to clear the jam. The message clears.
294.01 Scanner jam, remove jammed originals from the scanner	The scanner detects a jam at the ADF exit sensor. Page level recovery is active.	Remove all original documents from the ADF. The message clears.
298.01 Scanner Missing - Cable Unplugged	The MFP detects after powering on that the front side scanner cable is unplugged.	<ol style="list-style-type: none"> <li>1 Turn the MFP off.</li> <li>2 Plug the front side scanner cable into its connector.</li> <li>3 Turn the MFP on.</li> </ol>
298.02 Scanner Missing - Cable Unplugged	The MFP detects after powering on that the back side scanner cable is unplugged.	<ol style="list-style-type: none"> <li>1 Turn the MFP off.</li> <li>2 Plug the back side scanner cable into its connector.</li> <li>3 Turn the MFP on.</li> </ol>

## Functions disabled transitional messages

Occurrence	Message	Information
A function is disabled. A user enters a shortcut for the function.	<Function name> turned off by system administrator	The message appears for 3 seconds, and then the previous screen appears.
The USB slot on the front of the control panel is turned off. A user inserts a USB cable in the slot.	USB turned off by system administrator.	The message appears for 3 seconds, and then the previous screen appears.



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