



Menus Guide

Edition notice

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Menu map

Menu map

Device	<ul style="list-style-type: none"> • Preferences • Remote Operator Panel • Notifications • Power Management • Information Sent to Lexmark 	<ul style="list-style-type: none"> • Restore Factory Defaults • Maintenance • Visible Home Screen Icons • About This Printer
Print	<ul style="list-style-type: none"> • Layout • Finishing • Setup • Quality • Job Accounting • XPS 	<ul style="list-style-type: none"> • PDF • PostScript • PCL • HTML • Image
Paper	<ul style="list-style-type: none"> • Tray Configuration • Media Configuration 	<ul style="list-style-type: none"> • Bin Configuration
Copy	Copy Defaults	
Fax	<ul style="list-style-type: none"> • Fax Mode • Analog Fax Setup 	<ul style="list-style-type: none"> • Fax Server Setup
E-mail	<ul style="list-style-type: none"> • E-mail Setup • E-mail Defaults 	<ul style="list-style-type: none"> • Web Link Setup
Network/Ports	<ul style="list-style-type: none"> • Network Overview • Ethernet • TCP/IP • IPv6 • SNMP • IPSec 	<ul style="list-style-type: none"> • LPD Configuration • HTTP/FTP Settings • ThinPrint • USB • Google Cloud Print
FTP	FTP Defaults	
USB Drive	<ul style="list-style-type: none"> • Flash Drive Scan 	<ul style="list-style-type: none"> • Flash Drive Print
Security	<ul style="list-style-type: none"> • Login Methods • Schedule USB Devices • Security Audit Log • Login Restrictions 	<ul style="list-style-type: none"> • Confidential Print Setup • Erase Temporary Data Files • Miscellaneous
Reports	<ul style="list-style-type: none"> • Menu Settings Page • Device • Print 	<ul style="list-style-type: none"> • Shortcuts • Fax • Network

Help	<ul style="list-style-type: none">• Print All Guides• Color Quality Guide• Connection Guide• Copy Guide• E-mail Guide• Fax Guide	<ul style="list-style-type: none">• Information Guide• Media Guide• Moving Guide• Print Quality Guide• Scan Guide• Supplies Guide
Troubleshooting	<ul style="list-style-type: none">• Basic Print Quality Samples	<ul style="list-style-type: none">• Advanced Print Quality Samples

Device

Preferences

Menu item	Description
Display Language [List of languages]	Set the language of the text that appears on the display. Note: Not all languages are available for all printer models. You may need to install special hardware for some languages.
Country/Region [List of countries]	Specify the printer location.
Keyboard Keyboard Type	Specify a language for the printer keyboard. The additional tabs enable access to accent marks and symbols from the keyboard. Note: This menu item appears only in some printer models.
Run Initial setup On Off*	Run the setup wizard.
Displayed information Display Text 1 Display Text 2 Custom Text 1 Custom Text 2	Specify the information to display on the home screen.
Date and Time Configure Current Date and Time Manually Set Date and Time Date Format Time Format Time Zone UTC (GMT) Offset DST Start DST End DST Offset Network Time Protocol Enable NTP NTP Server Enable Authentication Key ID Password	Format the printer date and time. Notes: <ul style="list-style-type: none"> • UTC (GMT) Offset, DST Start, End Start, and DST Offset appear only in the Embedded Web Server for some printer models. • Key ID and Password appear only if Enable Authentication is set to MD5 key.

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

Menu item	Description
Paper Sizes U.S.* Metric	Specify the unit of measurement for paper sizes. Note: The country or region selected in the initial setup wizard determines the initial paper size setting.
Flash Drive Access Enabled* Disabled	Enable access to the flash drive.
Allow Background Removal Off On*	Allow image background removal in copy, fax, e-mail, FTP, or scan-to-USB jobs.
One Page Flatbed Scanning Off* On	Set copies from the scanner glass to only one page at a time.
Quiet Mode Off* On	Set the printer to operate at a lower speed. Note: This setting reduces the amount of noise that the printer makes when printing.
Press Power Button Do Nothing Sleep*	Determine how the printer reacts when the user presses the power button.
Output Lighting Off On*	Enable the indicator light in the standard bin.
Screen Timeout 10–300 (60*)	Set the idle time before the display shows the ready state.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Remote Operator Panel

Menu item	Description
External VNC Connection Don't Allow* Allow	Allow users to connect an external Virtual Network Computing (VNC) client to run the remote control panel.
Authentication Type None* Standard Authentication	Set the authentication type when accessing the VNC client server.
VNC Password	Specify the password to connect to the VNC client server. Note: This menu item appears only if Authentication Type is set to Standard Authentication.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Notifications

Menu item	Description
ADF Loaded Beep Off On*	Enable a sound when loading paper into the ADF. Note: This menu item appears only in some printer models.
Alarm Control Off Single* Continuous	Set an alarm when the printer requires user intervention.
Supplies Show Supply Estimates Show estimates* Do not show estimates	Show supply estimates.
Supplies Cartridge Alarm Off* Single Continuous Staple Alarm Off* Single Continuous Hole Punch Alarm Off* Single Continuous	Set an alarm when the supplies require user intervention.
E-mail Alerts Setup	Send e-mail alert to a list of contacts when the printer requires user intervention.
Error Prevention Jam Assist Off On*	Set the printer to check for jammed paper automatically.
Error Prevention Auto Continue Off* On	Set the printer to continue printing automatically from certain offline situations, when errors are not resolved within the specified time.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Menu item	Description
Error Prevention Auto Reboot Reboot when idle Reboot always* Reboot never Max Auto Reboots 1–20 (2*) Auto Reboot Window 1–525600 (720*) Auto Reboot Counter Reset Auto Reboot Counter	Set the printer to restart when an error occurs.
Error Prevention Display Short Paper Error On Auto-clear*	Set the printer to show a message when a short paper error occurs. Note: Short paper refers to the size of the paper loaded.
Error Prevention Page Protect Off* On	Set the printer to process the entire page into the memory before releasing the job for printing. Note: Make sure that the printer memory has larger capacity.
Jam Content Recovery Jam Recovery Off On Auto*	Set the printer to reprint jammed pages.
Jam Content Recovery Scanner Jam Recovery Job level Page level*	Specify how to restart a scan job after resolving a paper jam.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Power Management

Menu item	Description
Sleep Mode Profile Print with Display off Allow printing with display off* Display on when printing	Print a job with the display turned off.
Timeouts Sleep Mode 1–60 minutes (1*)	Set the idle time before the printer begins operating in Sleep mode.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Menu item	Description
Timeouts Hibernate Timeout Disabled 1 hour 2 hours 3 hours 6 hours 1 day 2 days 3 days* 1 week 2 weeks 1 month	Set the time before the printer enters Hibernate mode.
Timeouts Hibernate Timeout on Connection Hibernate Do Not Hibernate*	Set the printer to Hibernate mode even if there is an active Ethernet connection.
Eco-Mode Off* Energy Energy/Paper Paper	Minimize the use of energy, paper, or specialty media. Note: Setting Eco-Mode to Energy or Paper may affect printer performance, but not print quality.
Schedule Power Modes Schedules	Schedule the printer to enter Sleep or Hibernate mode.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Information Sent to Lexmark

Menu item	Description
Information Sent to Lexmark Supplies and Page Usage (Anonymous) Device Performance (Anonymous) Device Interaction (Anonymous) None of the Above	Send printer usage information to Lexmark anonymously. Note: The default value is the value selected during the initial setup.
Information Send Time Start Time Stop Time	
User Information - Level Anonymous Session Information Only Session Information with Generic User Information Session Information with Actual User IDs	

Restore Factory Defaults

Menu item	Description
Restore Settings Restore all settings Restore printer settings Restore network settings Restore fax settings Restore app settings	Restore the printer factory default settings. Note: The default value is the value selected during the initial setup.

Maintenance

Configuration Menu

Menu item	Description
USB Configuration USB PnP 1* 2 USB Scan to Local Off On* USB Speed Full Auto*	Configure the USB settings.
Tray Configuration Size Sensing Tray [x] Sensing	Set the printer to detect the size of the paper loaded in the tray. Note: This menu item appears only in trays with size-sensing mechanism.
Tray Configuration Tray Linking Automatic* Off	Set the printer to link the trays that have the same paper type and paper size settings.
Tray Configuration Tray Insert Message Delay Off* On	Set the printer to display the Tray Insert message after the user has inserted a tray.
Tray Configuration A5 Loading Short Edge Long Edge*	Specify the page orientation when loading A5 paper size.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Menu item	Description
Tray Configuration Paper Prompts Auto* Multipurpose Feeder Manual Paper Envelope Prompts Auto* Multipurpose Feeder Manual Paper	Set the paper source that the user will fill when a prompt appears to load paper or envelope. Note: For Multipurpose Feeder to appear, set Configure MP to Cassette from the Paper menu.
Tray Configuration Action for Prompts Prompt user* Continue Use current	Set the printer to resolve paper- or envelope-related change prompts.
Reports Menu Settings Page Event Log Event Log Summary Health Check Statistics	Print reports about printer menu settings, status, and event logs.
Supply Usage And Counters Reset Separator Roll and Pick Assembly Counter Clear Supply Usage History Reset [color] Cartridge Counter Reset [color] Imaging Unit Counter Reset [color] Developer Unit Counter Reset Color Imaging Kit Counter Tiered Coverage Ranges	Reset the supply page counter or view the total printed pages. Note: These settings may vary depending on your printer model.
Printer Emulations PPDS Emulation Off* On	Set the printer to use the PPDS data stream.
Fax Configuration Fax Low Power Support Disable Sleep Permit Sleep Auto*	Specify the power setting when in fax mode.
Print Configuration Black Only Mode Off* On	Print color content in grayscale.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Menu item	Description
Print Configuration Color Trapping Off 1 2* 3 4 5	Enhance the printed output to correct misregistration in the printer.
Print Configuration Font Sharpening 0–150 (24*)	Adjust the value of the high frequency screens used for font data.
Print Configuration Print Density 0–5 (3*) Copy Density 0–5 (3*)	Adjust the toner density when printing or copying documents.
Device Operations Panel Menus Off On*	Set the printer to show the control panel menus.
Device Operations Safe Mode Off* On	Set the printer to operate in a special mode, in which it attempts to continue offering as much functionality as possible, despite known issues.
Device Operations Minimum Copy Memory 20 MB 30 MB 50 MB 80 MB 100 MB	Set the memory allocation for storing copy jobs. Notes: <ul style="list-style-type: none"> • 20 MB is the factory default setting for mono laser printers. • 80 MB is the factory default setting for color laser printers. • The values may vary depending on your printer model. • The values appear only if the amount of installed DRAM is at least twice the amount of the value.
Device Operations Clear Custom Status	Erase all custom messages.
Device Operations Automatically Display Error Screens Off On*	Show existing error messages on the display when the printer returns to an active state.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Menu item	Description
Device Operations Honor orientation on fast path copy Off* On	Set the printer to use the Orientation setting under Copy menu when sending quick copy jobs.
Device Operations Clean sensing and laser optics	Set the printer to run its wipers and clean the sensing and laser optics. Note: This setting is available only in some printer models.
Device Operations Automatic Media Type Detection Off On*	Set the printer to detect the paper type being loaded.
Toner patch sensor setup Calibration frequency preference Disabled* Fewest color adjustments Fewer color adjustments Normal Better color accuracy Best color accuracy	Set the printer to put down the correct amount of toner to maintain color consistency.
Toner patch sensor setup Full calibration	Run the full color calibration.
Toner patch sensor setup Print TPS information page	Print a diagnostic page that contains toner patch sensor calibration.
App Configuration LES Applications Off On*	Enable the Lexmark Embedded Solutions (LES) applications. Note: This setting does not affect built-in applications.
Clear all remotely-installed messages	Delete all logs created during remote installation.
Scanner Configuration Scanner Manual Registration Print Quick Test Front ADF Registration Rear ADF Registration Flatbed Registration	Set the scanner registration after replacing the ADF, scanner glass, or controller board.
Scanner Configuration Reset Maintenance Counter	Reset the ADF maintenance counter.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Menu item	Description
Scanner Configuration Edge Erase FB Edge Erase 0–6 (3*) ADF Edge Erase 0–6 (3*)	Set the size of a border around the scanned image that will be erased.
Scanner Configuration ADF Deskew ADF Mechanical Deskew On* Off ADF Electronic Deskew On* Off	Fix skewed images that are scanned from the ADF.
Scanner Configuration Disable Scanner Enabled* Disabled ADF Disabled	Disable the scanner if it is not working properly.
Scanner Configuration Tiff Byte Order CPU Endianness* Little Endian Big Endian	Determine the byte order of a TIFF-formatted scan output.
Scanner Configuration Exact Tiff Rows Per Strip On* Off	Set the RowsPerStrip tag value of a TIFF-formatted scan output.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Out of Service Erase

Menu item	Description
Memory Last Sanitized Sanitize all information on nonvolatile memory Erase all printer and network settings Erase all apps and app settings	Clear all settings and applications that are stored in the printer hard disk.

Visible Home Screen Icons

Menu	Description
Visible Home Screen Icons Copy E-mail Fax Status/Supplies Job Queue Change Language Address Book Bookmarks Held Jobs USB FTP Scan Profiles App Profiles	Specify which icons to show on the home screen. Note: The icons may vary depending on your printer model.

About this Printer

Menu item	Description
Asset Tag	Specify the printer name, location, and contact information.
Printer's Location	
Contact	
Export Configuration File to USB	Export configuration files to a flash drive.
Export Compressed Logs to USB	Export compressed log files to a flash drive.

Print

Layout

Menu item	Description
Sides (Duplex) Off* On	Print on both sides of the paper.
Duplex Binding Long Edge* Short Edge	Define binding for two-sided pages, and how the printing on the back of the sheet is oriented in relation to the printing on the front. Notes: <ul style="list-style-type: none"> • Long Edge assumes binding along the long edge of the page (left edge for portrait and top edge for landscape). • Short Edge assumes binding along the short edge of the page (top edge for portrait and left edge for landscape).
Blank Pages Print Do Not Print*	Specify whether to include blank pages in a print job.
Collate Off [1,1,1,2,2,2] On [1,2,1,2,1,2]*	Print multiple copies in sequence.
Separator Sheets None* Between Copies Between Jobs Between Pages	Specify whether to insert blank separator sheets when printing.
Separator Sheet Source Tray [x] (1*) Multipurpose Feeder	Specify the paper source for the separator sheet. Note: For Multipurpose Feeder to appear, set Configure MP to Cassette from the Paper menu.
Pages per Side Off* 2 pages per side 3 pages per side 4 pages per side 6 pages per side 9 pages per side 12 pages per side 16 pages per side	Print multiple page images on one side of a sheet of paper.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Menu item	Description
Pages per Side Ordering Horizontal* Reverse Horizontal Vertical Reverse Vertical	Specify the positioning of multiple page images when using Pages per Side. Note: The positioning depends on the number of page images and their page orientation.
Pages per Side Orientation Auto* Landscape Portrait	Specify the orientation of a multiple-page document when using Pages per Side.
Pages per Side Border None* Solid	Print a border around each page image when using Pages per Side.
Copies 1–9999 (1*)	Specify the number of copies for each print job.
Print Area Normal* Whole Page	Set the printable area on a sheet of paper.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Finishing

Menu item	Description
Staple Job Off* 1 staple, top left corner 2 staples, left 1 staple, top right corner 2 staples, top 1 staple, bottom left corner 2 staples, bottom 1 staple, bottom right corner 2 staples, right	Specify the staple position for all print jobs. Note: This menu item appears only when a staple finisher is installed.
Staple Test Start	Determine whether the staple finisher is functioning properly. Note: This menu item appears only when a staple finisher is installed.
Hole Punch Off* On	Punch holes along the edge of the printed output. Note: This menu item appears only when a staple, hole punch finisher is installed.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Menu item	Description
Hole Punch Mode 2 holes 3 holes 4 holes	Set the hole punch mode for the printed output. Notes: <ul style="list-style-type: none"> • 3 holes is the U.S. factory default setting. 4 holes is the international factory default setting. • This menu item appears only when a staple, hole punch finisher is installed.
Offset Pages None* Between Copies Between Jobs	Offset the output of each print job or each copy of a print job. Notes: <ul style="list-style-type: none"> • Between Copies offsets each copy of a print job if Collate is set to On [1,2,1,2,1,2]. If Collate is set to Off [1,1,2,2,2], then each set of printed pages are offset, such as all page 1s and all page 2s. • Between Jobs sets the same offset position for the entire print job regardless of the number of copies printed. • This menu item appears only when a staple finisher is installed.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Setup

Menu item	Description
Printer Language PCL Emulation PS Emulation*	Set the printer language. Note: Setting a printer language default does not prevent a software program from sending print jobs that use another printer language.
Printer Usage Max Speed Max Yield*	Select between a faster print speed and a higher toner yield when printing.
Resource Save Off* On	Set the printer to handle temporary downloads when it receives a job that requires more than the available memory. Notes: <ul style="list-style-type: none"> • Off sets the printer to retain downloads only until memory is needed. Downloads are deleted in order to process print jobs. • When set to On and the printer runs out of memory, a Memory Full [38] appears on the display but downloads are not deleted.
Print All Order Alphabetical* Newest First Oldest First	Specify the order in which held and confidential jobs are printed when Print All is selected.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Quality

Menu item	Description
Print Mode Black and White Color*	Set the print mode.
Print Resolution 4800 CQ* 1200 dpi	Set the resolution in dots print per inch (dpi) or color quality (CQ) for the printed output. Notes: <ul style="list-style-type: none"> • 4800 CQ uses line screening for print jobs that contain bitmapped images such as scanned photos. • 1200 dpi produces the highest quality output for jobs where print speed is not important.
Toner Darkness 1 to 5 (5*)	Determine the lightness or darkness of text images.
Halftone Normal* Detail	Enhance the printed output to have smoother lines with sharper edges.
Color Saver Off* On	Reduce the amount of toner used to print graphics and images.
RGB Brightness -6 to 6 (0*)	Adjust the brightness, contrast, and saturation for color output. Note: This setting does not affect files where CMYK color specifications are used.
RGB Contrast 0 to 5 (0*)	
RGB Saturation 0 to 5 (0*)	
Note: An asterisk (*) next to a value indicates the factory default setting.	

Advanced Imaging

Menu item	Description
Color Balance Cyan -5 to 5 (0*) Magenta -5 to 5 (0*) Yellow -5 to 5 (0*) Black -5 to 5 (0*) Reset Defaults Start	Adjust the amount of toner being used for each color.
Color Correction Off Auto* Manual	Modify the color settings used to print documents. Notes: <ul style="list-style-type: none"> • Off sets the printer to receive the color correction from the software. • Auto sets the printer to apply different color profiles to each object on the printed page. • Manual allows the customization of the RGB or CMYK color conversions applied to each object on the printed page.
Color Samples Print Color Samples	Print sample pages for each of the RGB and CMYK color conversion tables used in the printer.
Color Adjust Start	Calibrate the printer to adjust color variations in the printed output.
Spot Color Replacement Set Custom CMYK	Assign specific CMYK values to twenty named spot colors.
RGB Replacement	Match the colors of the output with that of the original document. Notes: <ul style="list-style-type: none"> • This menu item requires that you select the Display-True-Black color table. • This menu item appears only in the Embedded Web Server.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Job Accounting

Note: This menu item appears only when a printer hard disk is installed.

Menu item	Description
Job Accounting Off* On	Set the printer to create a log of the print jobs that it receives.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Menu item	Description
Accounting Log Frequency Daily Weekly Monthly*	Specify how often the printer creates a log file.
Log Action at End of Frequency None* E-mail Current Log E-mail & Delete Current Log Post Current Log Post & Delete Current Log	Specify how the printer responds when the frequency threshold expires. Note: The value defined in Accounting Log Frequency determines when this action is triggered.
Log Near Full Level Off On*	Specify the maximum size of the log file before the printer executes the Log Action at Near Full.
Log Action at Near Full None* E-mail Current Log E-mail & Delete Current Log E-mail & Delete Oldest Log Post Current Log Post & Delete Current Log Post & Delete Oldest Log Delete Current Log Delete Oldest Log Delete All Logs Delete All But Current	Specify how the printer responds when the hard disk is nearly full. Note: The value defined in Log Near Full Level determines when this action is triggered.
Log Action at Full None* E-mail & Delete Current Log E-mail & Delete Oldest Log Post & Delete Current Log Post & Delete Oldest Log Delete Current Log Delete Oldest Log Delete All Logs Delete All But Current	Specify how the printer responds when disk usage reaches the maximum limit (100MB).
URL to Post Log	Specify where the printer posts job accounting logs.
E-mail Address to Send Logs	Specify the e-mail address to which the printer sends job accounting logs.
Log File Prefix	Specify the prefix for the log file name. Note: The current host name defined in the TCP/IP menu is used as the default log file prefix.
Note: An asterisk (*) next to a value indicates the factory default setting.	

XPS

Menu item	Description
Print Error Pages Off* On	Print a test page that contains information on errors, including XML markup errors.
Minimum Line Width 1–30 (2*)	Set the minimum stroke width of any job printed in 1200 dpi.
Note: An asterisk (*) next to a value indicates the factory default setting.	

PDF

Menu item	Description
Scale to Fit Off* On	Scale the page content to fit the selected paper size.
Annotations Print Do Not Print*	Specify whether to print annotations in the PDF.
Note: An asterisk (*) next to a value indicates the factory default setting.	

PostScript

Menu item	Description
Print PS Error Off* On	Print a test page that contains the PostScript error.
Minimum Line Width 1–30 (2*)	Set the minimum stroke width of any job printed in 1200 dpi.
Lock PS Startup Mode Off* On	Disable the SysStart file.
Image Smoothing Off* On	Enhance the contrast and sharpness of low-resolution images. Note: This setting has no effect on images with a resolution of 300 dpi or higher.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Menu item	Description
Font Priority Resident* Flash/Disk	Establish the font search order. Notes: <ul style="list-style-type: none"> Resident sets the printer to search its memory for the requested font before searching flash memory or hard disk. Flash/Disk sets the printer to search the hard disk and flash memory for the requested font before searching printer memory. This menu item appears only when a flash memory or printer hard disk is installed and is not password-protected.
Wait Timeout Off On*	Set the printer to wait for additional data before canceling a print job. Note: When set to On, 40 seconds is the factory default setting.
Note: An asterisk (*) next to a value indicates the factory default setting.	

PCL

Menu item	Description
Font Source Resident* Disk Download Flash All	Specify the source of the fonts that are displayed in the Font Name menu item. Note: Make sure that the hard disk and flash option are not password-protected.
Font Name [List of available fonts]	Choose a font from the specified font source. Notes: <ul style="list-style-type: none"> Courier is the factory default setting. The available fonts may vary depending on your printer model.
Symbol Set [List of available symbol set]	Specify the symbol set for each font name. Notes: <ul style="list-style-type: none"> 10U PC-8 is the U.S. factory default setting. 12U PC-850 is the international factory default setting. A symbol set is a set of alphabetic and numeric characters, punctuation, and special symbols. Symbol sets support the different languages or specific programs such as math symbols for scientific text. The available symbol sets may vary depending on your printer model.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Menu item	Description
Pitch 0.08–100 (10*)	Specify the font pitch for scalable monospaced fonts. Notes: <ul style="list-style-type: none"> Pitch refers to the number of fixed-space characters in a horizontal inch of type. For nonscalable monospaced fonts, the pitch appears on the display but it cannot be changed.
Orientation Portrait* Landscape	Specify the orientation of text and graphics on the page.
Lines per Page 1–255 (60*)	Specify the number of lines that print on each page. Notes: <ul style="list-style-type: none"> The printer sets the amount of space between each line (vertical line spacing) based on the Lines per Page, Paper Size, and Orientation menu items. Specify the paper size and orientation before setting Lines per Page.
PCL5 Minimum Line Width 1–30 (2*)	Set the initial minimum stroke width of any job printed in 1200 dpi.
PCLXL Minimum Line Width 1–30 (2*)	
A4 Width 198 mm* 203 mm	Set the width of the page when printing on A4-size paper. Note: 203 mm sets the width of the page to allow printing of eighty 10-pitch characters.
Auto CR after LF Off* On	Set the printer to perform a carriage return after a line feed control command. Note: Carriage return is a mechanism that commands the printer to move the position of the cursor to the first position on the same line.
Auto LF after CR Off* On	Set the printer to perform a line feed after a carriage return control command. Note: Carriage return is a mechanism that commands the printer to move the position of the cursor to the first position on the same line.
Tray Renumber Assign MP Feeder 0–201 (200*) Assign Tray [x] 0–201 (200*) Assign Manual Paper 0–201 (200*) Assign Manual Envelope 0–201 (200*)	Configure the printer to work with print drivers or applications that use different source assignments for the trays or feeders.

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

Menu item	Description
Tray Renumber View Factory Defaults Restore Defaults	Show or restore the factory default setting assigned to each tray or feeder.
Print Timeout Off On*	Set the printer to end a print job after it has been idle for the specified amount of time. Note: When set to On, the factory default setting is 90 seconds.
Note: An asterisk (*) next to a value indicates the factory default setting.	

HTML

Menu item	Description
Font Name [List of fonts] (Times*)	Set the font to use for HTML documents.
Font Size 1–255 (12*)	Set the font size to use for HTML documents.
Scale 1–400% (100*)	Scale HTML documents.
Orientation Portrait* Landscape	Set the page orientation for HTML documents.
Margin Size 8–255 mm (19*)	Set the page margin for HTML documents.
Backgrounds Do Not Print Print*	Print background information or graphics for HTML documents.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Image

Menu item	Description
Auto Fit Off On*	Select the best available paper size and orientation setting for an image. Note: When set to On, this menu item overrides the scaling and orientation settings for the image.
Invert Off* On	Invert bitonal monochrome images. Note: This menu item does not apply to GIF or JPEG image formats.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Menu item	Description
Scaling Best Fit* Anchor Top Left Anchor Center Fit Height/Width Fit Height Fit Width	Adjust the image to fit the printable area. Note: When Auto Fit is set to On, Scaling is automatically set to Best Fit.
Orientation Portrait* Landscape Reverse Portrait Reverse Landscape	Specify the orientation of text and graphics on the page.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Paper

Tray Configuration

Menu item	Description
Default Source Tray [x] (1*) Multipurpose Feeder Manual Paper Manual Envelope	Set the paper source for all print jobs. Note: Multipurpose Feeder only appears when Configure MP is set to Cassette.
Paper Size/Type Tray [x] Multipurpose Feeder Manual Paper Manual Envelope	Specify the paper size or paper type loaded in each paper source.
Substitute Size Off Statement/A5 Letter/A4 All Listed*	Set the printer to substitute a specified paper size if the requested size is not loaded in any paper source. Notes: <ul style="list-style-type: none"> • Off prompts the user to load the required paper size. • Statement/A5 prints A5-size document on statement when loading statement and statement-size jobs on A5 paper size when loading A5. • Letter/A4 prints A4-size document on letter when loading letter and letter-size jobs on A4 paper size when loading letter. • All Listed substitutes Letter/A4.
Configure MP Cassette* Manual First	Set the printer when to pick paper loaded in the multipurpose feeder. Notes: <ul style="list-style-type: none"> • When set to Cassette, the printer treats the multipurpose feeder like a tray. • When set to Manual, the printer treats the multipurpose feeder like a manual feeder. • When set to First, the printer picks paper from the multipurpose feeder until it is empty, regardless of the required paper source or paper size.

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

Media Configuration

Universal Setup

Menu item	Description
Units of Measure Inches Millimeters	Specify the unit of measurement for the universal paper. Note: Inches is the U.S. factory default setting. Millimeters is the international factory default setting.
Portrait Width 3–52 inches (8.50*) 76–1321 mm (216*)	Set the portrait width of the universal paper.
Portrait Height 3–52 inches (14*) 76–1321 mm (356*)	Set the portrait height of the universal paper.
Feed Direction Short Edge* Long Edge	Set the printer to pick paper from the short edge or long edge direction. Note: Long Edge appears only when the longest edge is shorter than the maximum width supported.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Custom Scan Sizes

Menu item	Description
Custom Scan Size [x] Set Name and Type Scan Size Name Width 1–8.50 inches (8.50*) 25–216 mm (216*) Height 1–25 inches (14*) 25–635 mm (356*) Orientation Portrait* Landscape 2 scans per side Off* On	Assign a scan size name and configure the scan settings.

Media Types

Menu item	Description	
Plain	Specify the texture, weight, loading orientation, and output bin of the paper loaded. Select from the following options:	
Card Stock		
Transparency		
Recycled		Texture
Glossy		Smooth
Heavy Glossy		Normal*
Labels		Rough
Vinyl Labels		Weight
Bond		Light
Envelope		Normal*
Rough Envelope		Heavy
Letterhead		Loading Orientation
Preprinted		Off
Colored Paper		1 sided printing only
Light		Duplex
Heavy		Send to Bin
Rough/Cotton		Disabled*
Custom Type [x]	Standard Bin	
	Bin [x]	

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

Bin Configuration

Menu item	Description
Output Bin Standard Bin* Bin [x]	Specify the output bin.
Configure Bins Mailbox* Link Link Optional Type Assignment	Configure the mode of operation for the output bins. Notes: <ul style="list-style-type: none"> • Mailbox allows the standard bin and any optional bin to be selected individually. • Link allows all output bins to be linked together as though they were one large bin. • Link Optional treats all optional bins as one large output bin. • Type Assignment assigns each paper type a bin or a linked bin set.
Custom Bin Names Standard Bin Bin [x]	Assign a name for the bin.

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

Copy

Copy Defaults

Menu item	Description
Content Type Text Text/Photo* Photo Graphics	Improve the output result based on the content of the original document.
Content Source Black and White Laser Color Laser* Inkjet Photo/Film Magazine Newspaper Press Other	Improve the output result based on the source of the original document.
Sides (Duplex) 1 sided to 1 sided* 1 sided to 2 sided 2 sided to 1 sided 2 sided to 2 sided	Specify the scanning behavior based on the original document.
Separator Sheets None* Between Copies Between Jobs Between Pages	Specify whether to insert blank separator sheets when printing.
Separator Sheet Source Tray [x] (1*) Multipurpose Feeder	Specify the paper source for the separator sheet.
Color Off On* Auto	Specify whether to print copies in color.
Pages per Side Off* 2 portrait pages per side 2 landscape pages per side 4 portrait pages per side 4 landscape pages per side	Specify the number of page images to print on one side of a sheet of paper.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Menu item	Description
Print Page Borders Off* On	Place a border around each image when printing multiple pages on a single page.
Collate Off [1,1,1,2,2,2] On [1,2,1,2,1,2]*	Print multiple copies in sequence.
Offset Pages None* Between Copies Between Jobs	Offset the output of each print job or each copy of a print job.
Punch Off* 2 holes 3 holes 4 holes	Punch holes along the edge of the printed output. Note: This menu item appears only when a staple, hole punch finisher is installed.
Staple Off* 1 staple, top left corner 2 staples, left 1 staple, top right corner 2 staples, top 1 staple, bottom left corner 2 staples, bottom 1 staple, bottom right corner 2 staples, right	Specify the staple position for all print jobs. Note: This menu item appears only when a staple finisher is installed.
Copy from Size [List of paper sizes]	Set the paper size of the original document. Notes: <ul style="list-style-type: none"> • Letter is the U.S. factory default setting. A4 is the international factory default setting. • This menu item may vary depending on your printer model.
Copy To Source Tray [x] (1*) Multipurpose Feeder Auto Size Match	Specify the paper source for the copy job.
Temperature -4 to 4 (0*)	Specify whether to generate a bluer or redder output.
Darkness 1–9 (5*)	Adjust the darkness of the scanned image.
Number of Copies 1–9999 (1*)	Specify the number of copies.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Menu item	Description
Overlay Confidential Copy Draft Urgent Custom Off*	Specify the overlay text printed on each page of the copy job.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Advanced Imaging

Menu item	Description
Color Balance -4 to 4 (0*)	Adjust the amount of toner being used in each color.
Color Dropout None* Red Green Blue Default Red Threshold 0–255 (128*) Default Green Threshold 0–255 (128*) Default Blue Threshold 0–255 (128*)	Specify which color to drop during scanning, and adjust the dropout setting for that color.
Auto Color Detect Color Sensitivity 1–9 (5*) Area Sensitivity 1–9 (5*)	Set the amount of color that the printer detects from the original document.
Contrast Best for Content* 0 1 2 3 4 5	Specify the contrast of the output.
Background Removal -4 to 4 (0*)	Adjust the amount of background visible on a scanned image.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Menu item	Description
Auto Center Off* On	Align the content at the center of the page.
Mirror Image Off* On	Create a mirror image of the original document.
Negative Image Off* On	Create a negative image of the original document.
Shadow Detail -4 to 4 (0*)	Adjust the amount of shadow detail visible on a scanned image.
Scan Edge to Edge Off* On	Allow edge-to-edge scanning of the original document.
Sharpness 1–5 (3*)	Adjust the sharpness of a scanned image.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Admin Controls

Menu item	Description
Allow Color Copies Off On*	Print copies in color.
Transparency Separators Off On*	Insert a blank sheet between transparencies.
Output Bin Standard Bin* Bin [x]	Specify the output bin for the copy job.
Allow Priority Copies Off On*	Interrupt a print job to copy a page or document.
Allow Save as Shortcut Off On*	Save custom copy settings as shortcuts.
Adjust ADF Skew Off* On	Fix skewed images that are scanned from the ADF.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Fax

Fax Mode

Menu item	Description
Fax Mode Analog* Fax Server Disabled	Select a fax mode.

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

Analog Fax Setup

General Fax Settings

Menu item	Description
Fax Name	Identify your fax machine.
Fax Number	Identify your fax number.
Fax ID Fax Name Fax Number*	Notify fax recipients of your fax name or fax number.
Enable Manual Fax Off* On	Set the printer to fax manually. Notes: <ul style="list-style-type: none"> • This setting requires a line splitter and a telephone handset. • Use a regular telephone line to answer an incoming fax job and to dial a fax number. • To go directly to the Manual Fax function, touch # and 0 on the keypad.
Memory Use All receive Mostly receive Equal* Mostly send All send	Set the amount of internal printer memory allocated for faxing. Note: This setting prevents memory buffer conditions and failed faxes.
Cancel Faxes Allow* Don't Allow	Cancel outgoing faxes before they are transmitted, or cancel incoming faxes before they finish printing.

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

Menu item	Description
Caller ID Off On* Alternate	Show the telephone number of the person sending the fax.
Fax Number Masking Off* From Left From Right	Specify the format for masking an outgoing fax number.
Digits to Mask 0–58 (0*)	Specify the number of digits to mask in an outgoing fax number.
Enable Line Connected Detection Off On*	Determine whether a telephone line is connected to the printer. Note: Detection takes place when turning on the printer and before each call.
Enable Line In Wrong Jack Detection Off* On	Determine whether a telephone line is connected to the correct port on the printer. Note: Detection takes place when turning on the printer and before each call.
Enable Extension in Use Support Off On*	Determine whether a telephone line is used by another device such as another phone on the same line. Note: This setting is monitored continuously after turning on the printer.
Optimize Fax Compatibility	Configure the printer fax functionality for optimal compatibility with other fax machines.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Fax Send Settings

Menu item	Description
Resolution Standard* Fine Super Fine Ultra Fine	Set the resolution of the scanned image. Note: A higher resolution increases fax transmission time and requires higher memory.
Original Size [List of paper sizes]	Specify the size of the original document. Note: Mixed Sizes is the U.S. factory default setting. A4 is the international factory default setting.
Sides (Duplex) Off* Long Edge Short Edge	Specify the page orientation of text and graphics when scanning a two-sided document.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Menu item	Description
Content Type Text* Text/Photo Photo Graphics	Improve the output result based on the content of the original document.
Content Source Black and White Laser Color Laser* Inkjet Photo/Film Magazine Newspaper Press Other	Improve the output result based on the source of the original document.
Darkness 1–9 (5*)	Adjust the darkness of the scanned image.
Behind a PABX Off* On	Set the printer to dial a fax number without waiting to recognize the dial tone. Note: Private Automated Branch Exchange (PABX) is a telephone network that allows a single access number to offer multiple lines to outside callers.
Dial Mode Tone* Pulse	Specify the dial mode for incoming or outgoing faxes.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Advanced Imaging

Menu item	Description
Color Balance -4 to 4 (0*)	Adjust the amount of toner used for each color.
Color Dropout None* Red Green Blue Default Red Threshold 0–255 (128*) Default Green Threshold 0–255 (128*) Default Blue Threshold 0–255 (128*)	Specify which color to drop during scanning, and adjust the dropout setting for that color.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Menu item	Description
Contrast Best for Content* 0 1 2 3 4 5	Set the contrast of the output.
Background Removal -4 to 4 (0*)	Adjust the amount of background visible on a scanned image.
Mirror Image Off* On	Create a mirror image of the original document.
Negative Image Off* On	Create a negative image of the original document.
Shadow Detail -4 to 4 (0*)	Adjust the amount of shadow detail visible on a scanned image.
Scan Edge to Edge Off* On	Allow edge-to-edge scanning of the original document.
Sharpness 1–5 (3*)	Adjust the sharpness of the scanned image.
Temperature -4 to 4 (0*)	Specify whether to generate a bluer or redder output.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Admin Controls

Menu item	Description
Automatic Redial 0–9 (5*)	Adjust the number of redial attempts based on the activity levels of recipient fax machines.
Redial Frequency 1–200 minutes (3*)	Increase the time between redial attempts to increase the chance of sending fax successfully.
Enable ECM Off On*	Activate Error Correction Mode (ECM) for fax jobs. Note: ECM detects and corrects errors in the fax transmission process that are caused by telephone line noise and poor signal strength.
Enable Fax Scans Off On*	Fax documents that are scanned at the printer.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Menu item	Description
Driver to Fax Off On*	Allow the print driver to send fax.
Allow Save as Shortcut Off On*	Save fax numbers as shortcuts in the printer.
Max Speed 33600* 14400 9600 4800 2400	Set the maximum speed for sending fax.
Adjust ADF Skew Off* On	Fix skewed images that are scanned from the ADF.
Enable Color Fax Scans Off by default* On by default Never use Always use	Enable color scans for fax.
Auto Convert Color Faxes to Mono Faxes Off On*	Convert all outgoing color faxes to black and white.
Confirm Fax Number Off* On	Ask the user to confirm the fax number.
Dial Prefix	Set a dialing prefix.
Dialing Prefix Rules Prefix Rule [x]	Establish a dialing prefix rule.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Fax Receive Settings

Menu item	Description
Rings to Answer 1–25 (3*)	Set the number of rings for incoming fax.
Auto Reduction Off On*	Scale incoming fax to fit on the page.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Menu item	Description
Paper Source Tray [x] Multipurpose Feeder Auto*	Set the paper source for printing incoming fax.
Sides (Duplex) Off* On	Print on both sides of the paper.
Separator Sheets Off* Before Job After Job	Specify whether to insert blank separator sheets when printing.
Separator Sheet Source Tray [x] (1*) Multipurpose Feeder	Specify the paper source for the separator sheet.
Output Bin Standard Bin* Bin [x]	Specify the output bin for received faxes.
Fax Footer On Off*	Print the transmission information at the bottom of each page from a received fax.
Fax Footer Time Stamp Receive* Print	Print the timestamp at the bottom of each page from a received fax.
Punch Off* 2 holes 3 holes 4 holes	Punch holes along the edge of the printed output. Note: This menu item appears only when a staple, hole punch finisher is installed.
Staple Off* 1 staple 2 staples	Set the stapling option for the printed output. Note: This menu item appears only when a staple finisher is installed.
Holding Faxes Held Fax Mode Off* Always On Manual Scheduled	Hold received faxes from printing until they are released.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Admin Controls

Menu item	Description
Enable Fax Receive Off On*	Set the printer to receive fax.
Enable Color Fax Receive Off On*	Set the printer to receive fax in color.
Enable Caller ID Off On*	Show the number that is sending the incoming fax.
Block No Name Fax Off* On	Block incoming faxes sent from devices with no station ID or fax ID specified.
Banned Fax List Add Banned Fax	Specify the phone numbers that you want to block.
Answer On All Rings* Single Ring Only Double Ring Only Triple Ring Only Single or Double Rings Only Single or Triple Rings Only Double or Triple Rings Only	Set a distinctive ring pattern for incoming fax.
Auto Answer Off On*	Set the printer to receive fax automatically.
Manual Answer Code 0–9 (9*)	Manually enter a code on the telephone number pad to begin receiving fax. Notes: <ul style="list-style-type: none"> This menu item appears only when the printer shares a line with a telephone. This menu item appears only when you set the printer to receive fax manually.
Fax Forwarding Print Print and Forward Forward*	Specify how to forward received fax.
Forward to Destination [x] Type Shortcut Number	Specify where to forward received fax.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Menu item	Description
Confirmation E-mail	Send a confirmation e-mail when fax forwarding is successful. Note: The e-mail is sent only when forwarding to FTP or Network Share destinations.
Max Speed 33600* 14400 9600 4800 2400	Set the maximum speed for transmitting fax.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Fax Cover Page

Menu item	Description
Fax Cover Page Off by Default* On by Default Never Use Always Use	Configure the settings for the fax cover page.
Include To field Off* On	
Include From field Off* On	
From	
Include Message Field Off* On	
Message:	
Include Logo Off* On	
Include Footer [x] Off* On	
Footer [x]	
Note: An asterisk (*) next to a value indicates the factory default setting.	

Fax Log Settings

Menu item	Description
Transmission Log Print log* Do Not Print Log Print Only For Error	Print a log for successful fax transmission or transmission error.
Receive Error Log Print Never* Print on Error	Print a log for fax-receive failures.
Auto Print Logs On* Off	Print all fax activity.
Log Paper Source Tray [x] (1*) Multipurpose Feeder	Specify the paper source for printing logs.
Logs Display Remote Fax Name* Dialed Number	Identify the sender by remote fax name or fax number.
Enable Job Log On* Off	View a summary of all fax jobs.
Enable Call Log On* Off	View a summary of fax dialing history.
Log Output Bin Standard Bin* Bin [x]	Specify the output bin for printed logs.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Speaker Settings

Menu item	Description
Speaker Mode Always Off Always On On until Connected*	Set the fax speaker mode.
Speaker Volume Low High*	Adjust the fax speaker volume.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Menu item	Description
Ringer Volume Off On*	Enable the ringer volume.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Fax Server Setup

General Fax Settings

Menu item	Description
To Format	Specify a fax recipient. Note: If you want to use the fax number, then type the number sign (#) before a number.
Reply Address	Specify a reply address for sending fax.
Subject	Specify the fax subject and message.
Message	
Enable analog receive Off* On	Set the printer to receive analog faxes.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Fax Server E-mail Settings

Menu item	Description
Primary SMTP Gateway	Specify the Simple Mail Transfer Protocol (SMTP) server port information.
Primary SMTP Gateway Port 1–65535 (25*)	
Secondary SMTP Gateway	
Secondary SMTP Gateway Port 1–65535 (25*)	
SMTP Timeout 5–30 (30*)	Set the time before the printer times out if the SMTP server does not respond.
Reply Address	Specify a reply address for sending fax.
Use SSL/TLS Disabled* Negotiate Required	Specify whether to send fax using an encrypted link.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Menu item	Description
Require Trusted Certificate Off On*	Specify a trusted certificate when accessing the SMTP server.
SMTP Server Authentication No authentication required* Login / Plain NTLM CRAM-MD5 Kerberos 5	Set the authentication type for the SMTP server.
Device-Initiated E-mail None* Use Device SMTP Credentials	Specify whether credentials are required for device-initiated e-mail.
User-Initiated E-mail None* Use Device SMTP Credentials Use Session User ID and Password Use Session E-mail address and Password Prompt user	Specify whether credentials are required for user-initiated e-mail.
Use Active Directory Direct Credentials Off On*	Enable user credentials and group destinations to connect to the SMTP server.
Device Userid	Specify the user ID and password to connect to the SMTP server.
Device Password	
Kerberos 5 REALM	Specify the realm for the Kerberos 5 authentication protocol.
NTLM Domain	Specify the domain name for the NTLM security protocol.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Fax Server Scan Settings

Menu item	Description
Image Format TIFF (.tif) PDF (.pdf)* XPS (.xps) TXT (.txt) RTF (.rtf) DOCX (.docx)	Specify the file format for the scanned image.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Menu item	Description
Content Type Text Text/Photo* Photo Graphics	Improve the output result based on the content of the original document.
Content Source Black and White Laser Color Laser* Inkjet Photo/Film Magazine Newspaper Press Other	Improve the output result based on the source of the original document.
Fax Resolution Standard* Fine Super Fine Ultra Fine	Set the fax resolution.
Darkness 1–9 (5*)	Set the darkness of the output.
Orientation Portrait* Landscape	Specify the orientation of text and graphics on the page.
Original Size [List of paper sizes]	Set the paper size of the original document. Notes: <ul style="list-style-type: none"> • Mixed Sizes is the U.S. factory default setting. A4 is the international factory default setting. • This setting may vary depending on your printer model.
Use Multi-Page TIFF Off On*	Choose between single- and multiple-page TIFF files.
Note: An asterisk (*) next to a value indicates the factory default setting.	

E-mail

E-mail Setup

Menu item	Description
Primary SMTP Gateway	Specify the Simple Mail Transfer Protocol (SMTP) server port.
Primary SMTP Gateway Port 1–65535 (25*)	
Secondary SMTP Gateway	
Secondary SMTP Gateway Port 1–65535 (25*)	
SMTP Timeout 5–30 seconds (30*)	Set the time before the printer times out if the SMTP server does not respond.
Reply Address	Specify a reply address in the e-mail.
Use SSL/TLS Disabled* Negotiate Required	Specify whether to send e-mail using an encrypted link.
Require Trusted Certificate Off On*	Require a trusted certificate when accessing the SMTP server.
SMTP Server Authentication No authentication required* Login / Plain NTLM CRAM-MD5 Kerberos 5	Set the authentication type for the SMTP server.
Device-Initiated E-mail None* Use Device SMTP Credentials	Specify whether credentials are required for device-initiated e-mail.
User-Initiated E-mail None* Use Device SMTP Credentials Use Session User ID and Password Use Session E-mail address and Password Prompt user	Specify whether credentials are required for user-initiated e-mail.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Menu item	Description
Use Active Directory Direct Credentials Off On*	Enable user credentials and group designations to connect to the SMTP server.
Device Userid Device Password	Specify the user ID and password to connect to the SMTP server.
Kerberos 5 REALM	Specify the realm for the Kerberos 5 authentication protocol.
NTLM Domain	Specify the domain name for the NTLM security protocol.
Note: An asterisk (*) next to a value indicates the factory default setting.	

E-mail Defaults

Menu item	Description
Subject	Specify the e-mail subject and message.
Message	
File Name	Specify the filename for the scanned image.
Format PDF (.pdf)* TIFF (.tif) JPEG (.jpg) XPS (.xps)	Specify the file format for the scanned image.
PDF Settings PDF Version 1.3 1.4 1.5* 1.6 1.7 Archival Version A-1a* A-1b Secure Off* On Archival (PDF/A) Off* On	Set the PDF format of the scanned image.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Menu item	Description
Content Type Text Text/Photo* Photo Graphics	Improve the output result based on the content of the original document.
Content Source Black and White Laser Color Laser* Inkjet Photo/Film Magazine Newspaper Press Other	Improve the output result based on the original document.
Color Black and White Gray Color* Auto	Specify the color when scanning an image.
Resolution 75 dpi 150 dpi* 200 dpi 300 dpi 400 dpi 600 dpi	Set the resolution of the scanned image.
Darkness 1–9 (5*)	Adjust the darkness of the scanned image.
Orientation Portrait* Landscape	Specify the orientation of text and graphics on the page.
Original Size [List of paper sizes]	Set the paper size of the original document. Note: Mixed Sizes is the factory default setting.
Sides (Duplex) Off* Long edge Short edge	Specify the page orientation of text and graphics when scanning a two-sided document.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Advanced Imaging

Menu item	Description
Color Dropout Color Dropout None* Red Green Blue Default Red Threshold 0–255 (128*) Default Green Threshold 0–255 (128*) Default Blue Threshold 0–255 (128*)	Specify which color to drop during scanning, and adjust the dropout setting for that color.
Auto Color Detect Color Sensitivity 1–9 (5*) Area Sensitivity 1–9 (5*)	Set the amount of color that the printer detects from the original document. Note: This menu item appears only when Color is set to Auto.
JPEG Quality Best for content* 5–95	Set the quality of a JPEG-format scanned image. Notes: <ul style="list-style-type: none"> • 5 reduces the file size, but lessens the image quality. • 95 provides the best image quality, but produces a large file size.
Contrast Best for content* 0 1 2 3 4 5	Specify the contrast of the output.
Background Removal -4 to 4 (0*)	Adjust the amount of background visible on a scanned image.
Mirror Image Off* On	Create a mirror image of the original document.
Negative Image Off* On	Create a negative image of the original document.
Shadow Detail -4 to 4 (0*)	Adjust the amount of shadow detail visible on a scanned image.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Menu item	Description
Scan edge to edge Off* On	Allow edge-to-edge scanning of the original document.
Sharpness 1–5 (3*)	Adjust the sharpness of a scanned image.
Temperature -4 to 4 (0*)	Specify whether to generate a bluer or redder output.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Admin Controls

Menu item	Description
Max E-mail Size 0–65535 (0*)	Set the allowable file size for each e-mail.
Size Error Message	Specify an error message that the printer sends when an e-mail exceeds its allowable file size. Note: You can type up to 1,024 characters.
Limit Destinations	Limit sending of e-mail only to the specified list of domain name. Note: Use a comma to separate each domain.
Send Me a Copy Never appears* On by Default Off by Default Always On	Send a copy of the e-mail to yourself.
Limit E-mail Recipients Off* On	Limit the number of e-mail recipients.
Use cc:/bcc: Off* On	Enable carbon copy and blind carbon copy in e-mail.
Use Multi-Page Tiff On* Off	Choose between single- and multiple-page TIFF files.
TIFF Compression LZW* JPEG	Set a compression option for TIFF files.
Text Default 5–95 (75*)	Set the quality of text on a scanned image.
Text/Photo Default 5–95 (75*)	Set the quality of text or photo on a scanned image.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Menu item	Description
Photo Default 5–95 (50*)	Set the quality of a photo on a scanned image.
E-mail Bit Depth 1 bit 8 bit*	Enable the Text/Photo mode to produce smaller file sizes by using 1-bit image. Note: This menu item appears only when Color is set to Gray.
Adjust ADF Skew Off* On	Fix skewed images that are scanned from the ADF.
Transmission Log Print log* Do Not Print Log Print Only For Error	Print a log for successful e-mail transmission.
Log Paper Source Tray [x] (1*) Multipurpose Feeder	Specify the paper source for printing logs.
Log Output Bin Standard Bin* Bin [x]	Specify the output bin for the printed logs. Note: Bin [x] appears only when an optional bin is installed.
Allow Save as Shortcut Off On*	Save e-mail addresses as shortcuts. Note: When set to Off, the Save As Shortcut button does not appear on the e-mail Destination screen.
E-mail images sent as Attachment* Web Link	Specify how to send the images in e-mail.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Web Link Setup

Menu item	Description
Server	Set the printer to send e-mail as a web link.
Login	
Password	
Path	
File Name	
Web Link	

Network/Ports

Network Overview

Menu item	Description
Active Adapter Auto* Standard Network	Specify how a network is connected.
Network Status Speed, Duplex IPv4 All IPv6 Addresses	Show the printer network status and connectivity settings.
Reset Print Server Start	Reset all active network connections to the printer. Note: This setting removes all network configuration settings.
Network Job Timeout Off On*	Set the time before the printer cancels a network print job. Note: When set to On, the factory default setting is 90 seconds. Zero disables the timeout.
Banner Page Off On*	Print a banner page.
Scan to PC Port Range	Specify a port range for printers behind a port blocking firewall. Note: 9751:12000 is the factory default setting.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Ethernet

Menu item	Description
Network Speed	Show the speed of an active network adapter.
Network Address UAA LAA	Show the printer Media Access Control (MAC) addresses: Locally Administered Address (LAA) and Universally Administered Address (UAA). Note: You can change the printer LAA manually.
PCL SmartSwitch On* Off	Set the printer to switch to PCL emulation when a print job requires it, regardless of the default printer language. Note: If PCL SmartSwitch is off, then the printer does not examine incoming data and uses the default printer language specified in the Setup menu.
PS SmartSwitch On* Off	Set the printer to switch to PS emulation when a print job requires it, regardless of the default printer language. Note: If PS SmartSwitch is off, then the printer does not examine incoming data and uses the default printer language specified in the Setup menu.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Menu item	Description
NPA Mode Auto* Off	Set the printer to perform the special processing required for bidirectional communication, following the conventions defined by the NPA protocol. Note: The printer restarts after changing the setting.
Mac Binary PS Auto* On Off	Set the printer to process Macintosh binary PostScript print jobs. Notes: <ul style="list-style-type: none"> • On processes raw binary PostScript print jobs. • Off filters print jobs using the standard protocol.
Note: An asterisk (*) next to a value indicates the factory default setting.	

TCP/IP

Note: This menu appears only in network printers or printers attached to print servers.

Menu item	Description
Set Hostname	Set the current TCP/IP host name.
Domain Name	Set the domain name.
Set Static IP Address IP Address Netmask Gateway	View or change the current TCP/IP address, netmask, and gateway. Note: Manually setting the IP address sets the Enable DHCP and Enable Auto IP settings to Off. The setting also sets Enable BOOTP and Enable RARP to Off on systems that support BOOTstrap Protocol (BOOTP) and Reverse Address Resolution Protocol (RARP).
Enable DHCP On* Off	Allow the printer to accept Dynamic Host Configuration Protocol (DHCP) server-administered IP parameters.
Allow DHCP/BOOTP to update NTP server On* Off	Allow the DHCP and BOOTP clients to update the NTP settings of the printer.
Zero Configuration Name	Specify a service name for the zero configuration network.
Enable AutoIP Off On*	Assign an IP address automatically.
DNS Server Address	Specify the current Domain Name System (DNS) server address.
Backup DNS Server Address	Specify the backup DNS server addresses.
Backup DNS Server Address 2	
Backup DNS Server Address 3	
Domain Search Order	Specify a list of domain names to locate the printer and its resources that reside in different domains on the network.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Menu item	Description
Enable DDNS Off On*	Update Dynamic DNS settings.
DDNS TTL	Specify the current DDNS settings.
Default TTL	
DDNS Refresh Time	
Enable mDNS Off On*	Update multicast DNS settings.
WINS Server Address	Specify a server address for Windows Internet Name Service (WINS).
Enable RARP Off* On	Allow the RARP to assign a printer IP address.
Enable BOOTP Off* On	Allow the BOOTP to assign a printer IP address.
Restricted Server List	Specify an IP address for the TCP connections. Notes: <ul style="list-style-type: none"> • Use a comma to separate each IP address. • You can add up to 50 IP addresses.
Restricted Server List Options Block All Ports* Block Printing Only Block Printing and HTTP Only	Specify how the IP addresses in the list can access the printer functionality.
MTU	Specify a maximum transmission unit (MTU) parameter for the TCP connections.
Raw Print Port	Specify a raw port number for printers connected on a network.
Outbound Traffic Maximum Speed Off* On	Enable the printer maximum transfer rate.
Enhanced TLS Security Off* On	Enhance printer privacy and data integrity.
Note: An asterisk (*) next to a value indicates the factory default setting.	

IPv6 menu

Note: This menu appears only in network printers or printers that are attached to print servers.

Menu item	Description
Enable IPv6 Off On*	Configure IPv6 in the printer.
Enable DHCPv6 Off* On	Run DHCPv6 in an IPv6 network.
Stateless Address Autoconfiguration Off On*	Set the network adapter to accept the automatic IPv6 address configuration entries provided by a router.
DNS Server Address Manually Assigned IPv6 Address Manually Assigned IPv6 Router Address Prefix	Specify the DNS server address, IP address, and the router for IPv6 network.
All IPv6 Addresses All IPv6 Router Addresses	Show all IP and router addresses used in an IPv6 network.
Note: An asterisk (*) next to a value indicates the factory default setting.	

SNMP

Note: This menu appears only in network printers or printers that are attached to print servers.

Menu item	Description
SNMP Versions 1 and 2c Enabled Off On* Allow SNMP Set Off On* Enable PPM MIB Off On* SNMP Community	Configure Simple Network Management Protocol (SNMP) versions 1 and 2c to install print drivers and applications.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Menu item	Description
SNMP Version 3 Enabled Off On* Set Read/Write Credentials User Name Password Set Read-only Credentials User Name Password Authentication Hash MD5 SHA1* Minimum Authentication Level No Authentication, No Privacy Authentication, No Privacy Authentication, Privacy* Privacy Algorithm DES AES-128*	Configure SNMP version 3 to install and update the printer security.
Note: An asterisk (*) next to a value indicates the factory default setting.	

IPSec

Note: This menu appears only in network printers or printers that are attached to print servers.

Menu item	Description
Enable IPSec Off* On	Enable Internet Protocol Security (IPSec).
Base Configuration Default* Compatibility Secure	Set the IPSec base configuration.
DH (Diffie-Hellman) Group Proposal modp2048 (14)* modp3072 (15) modp4069 (16) modp6144 (17) modp8192 (18)	Set the IPSec encryption. Note: This menu item appears only when Base Configuration is set to Compatibility.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Menu item	Description
Proposed Encryption Method 3DES AES*	Specify the encryption and authentication methods to connect to a network securely. Note: This menu item appears only when Base Configuration is set to Compatibility.
Proposed Authentication Method SHA1 SHA256* SHA512	
IPSec Device Certificate	Specify an IPSec certificate. Note: This menu item appears only when Base Configuration is set to Compatibility.
Pre-Shared Key Authenticated Connections Host [x] Address Key	Configure the authenticated connections of the printer.
Certificate Authenticated Connections Host [x] Address[/subnet] Address[/subnet]	
Note: An asterisk (*) next to a value indicates the factory default setting.	

LPD Configuration

Note: This menu appears only in network printers or printers that are attached to print servers.

Menu item	Description
LPD Timeout 0–65535 seconds (90*)	Set the time-out value to stop the Line Printer Daemon (LPD) server from waiting indefinitely for hung or invalid print jobs.
LPD Banner Page Off* On	Print a banner page for all LPD print jobs. Note: A banner page is the first page of a print job used as a separator of print jobs and to identify the originator of the print job request.
LPD Trailer Page Off* On	Print a trailer page for all LPD print jobs. Note: A trailer page is the last page of a print job.
LPD Carriage Return Conversion Off* On	Enable carriage return conversion. Note: Carriage return is a mechanism that commands the printer to move the position of the cursor to the first position on the same line.
Note: An asterisk (*) next to a value indicates the factory default setting.	

HTTP/FTP Settings

Note: This menu appears only in network printers or printers attached to print servers.

Menu item	Description
Enable HTTP Server Off On*	Access the Embedded Web Server to monitor and manage the printer.
Enable HTTPS Off On*	Configure the HyperText Transfer Protocol Secure (HTTPS) settings.
Enable FTP/TFTP Off On*	Send files using FTP.
Local Domains	Specify domain names for HTTP and FTP servers.
HTTP Proxy IP Address	Configure the HTTP and FTP server settings.
FTP Proxy IP Address	Notes: <ul style="list-style-type: none"> • 80 is the factory default port for HTTP. • 21 is the factory default port for FTP.
HTTP Default IP Port	
HTTPS Device Certificate	
FTP Default IP Port	
Timeout for HTTP/FTP Requests 1–299 seconds (30*)	
Retries for HTTP/FTP Requests 1–299 (3*)	Set the number of retries to connect to the HTTP/FTP server.
Note: An asterisk (*) next to a value indicates the factory default setting.	

ThinPrint

Menu item	Description
Enable ThinPrint Off On*	Print using ThinPrint.
Port Number 4000–4999 (4000*)	Set the port number for the ThinPrint server.
Bandwidth (bits/sec) 100–1000000 (0*)	Set the speed to transmit data in a ThinPrint environment.
Packet Size (kbytes) 0–64000 (0*)	Set the packet size for data transmission.
Note: An asterisk (*) next to a value indicates the factory default setting.	

USB

Menu item	Description
PCL SmartSwitch Off On*	Set the printer to switch to PCL emulation when a print job received through a USB port requires it, regardless of the default printer language. Note: If PCL SmartSwitch is off, then the printer does not examine incoming data and uses the default printer language specified in the Setup menu.
PS SmartSwitch Off On*	Set the printer to switch to PS emulation when a print job received through a USB port requires it, regardless of the default printer language. Note: If PS SmartSwitch is off, then the printer does not examine incoming data and uses the default printer language specified in the Setup menu.
NPA Mode On Auto* Off	Set the printer to perform the special processing required for bidirectional communication, following the conventions defined by the NPA protocol. Note: The printer restarts after changing the setting.
Mac Binary PS On Auto* Off	Set the printer to process Macintosh binary PostScript print jobs. Notes: <ul style="list-style-type: none"> • On processes raw binary PostScript print jobs. • Off filters print jobs using the standard protocol.
Enable USB Port Off On*	Enable the standard USB port.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Google Cloud Print

Menu item	Description
Registration Register	Register the printer to the Google Cloud server.
Options Enable Google Cloud Print Off On*	Print directly from your Google account.
Options Enable Local Discovery Off On*	Allow higher bandwidth for data transmission.
Options Enable SSL Peer Verification Off On*	Verify authenticity of the peer certificate to connect to your Google account.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Menu item	Description
Options Always Print as Image Off* On	Save the scanned output into image files.
Note: An asterisk (*) next to a value indicates the factory default setting.	

FTP

FTP Defaults

Menu item	Description
Format PDF (.pdf)* TIFF (.tif) JPEG (.jpg) XPS (.xps)	Specify the file format for the scanned image. Note: The settings may vary depending on your printer model.
PDF Settings PDF Version 1.3 1.4 1.5* 1.6 1.7 Archival Version A-1a* A-1b Secure Off* On Archival (PDF/A) Off* On	Set the PDF format for the scanned image.
Content Type Text Text/Photo* Graphics Photo	Improve the output result based on the content of the original document.
Content Source Black and White Laser Color Laser* Inkjet Photo/Film Magazine Newspaper Press Other	Improve the output result based on the source of the original document.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Menu item	Description
Color Black and White Gray Color* Auto	Specify the color when scanning an image.
Resolution 75 dpi 150 dpi* 200 dpi 300 dpi 400 dpi 600 dpi	Set the resolution of the scanned image.
Darkness 1–9 (5*)	Adjust the darkness of the scanned image.
Orientation Portrait* Landscape	Specify the orientation of text and graphics on the page.
Original Size [List of paper sizes]	Set the paper size of the original document. Notes: <ul style="list-style-type: none"> • Letter is the U.S. factory default setting. A4 is the international factory default setting. • The settings may vary depending on your printer model.
Sides (Duplex) Off* Long edge Short edge	Specify the page orientation of text and graphics when scanning a two-sided document.
File Name	Specify the file name of the scanned image.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Advanced Imaging

Menu item	Description
Color Balance	Adjust the amount of toner used for each color in scan output.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Menu item	Description
Color Dropout Color Dropout None* Red Green Blue Default Red Threshold 0–255 (128*) Default Green Threshold 0–255 (128*) Default Blue Threshold 0–255 (128*)	Specify which color to drop during scanning, and adjust the dropout setting for that color.
Auto Color Detect Color Sensitivity 1–9 (5*) Area Sensitivity 1–9 (5*)	Set the amount of color that the printer detects from the original document. Note: This menu item appears only when Color is set to Auto.
JPEG Quality Best for content* 5–95	Set the quality of a JPEG-format image. Notes: <ul style="list-style-type: none"> • 5 reduces the file size, but lessens the image quality. • 90 provides the best image quality, but produces a large file size.
Contrast Best for content* 0 1 2 3 4 5	Specify the contrast of the output.
Background Removal -4 to 4 (0*)	Adjust the amount of background visible on a scanned image.
Mirror Image Off* On	Create a mirror image of the original document.
Negative Image Off* On	Create a negative image of the original document.
Shadow Detail -4 to 4 (0*)	Adjust the amount of shadow detail visible on a scanned image.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Menu item	Description
Scan edge to edge Off* On	Allow edge-to-edge scanning of the original document.
Sharpness 1–5 (3*)	Adjust the sharpness of a scanned image.
Temperature -4 to 4 (0*)	Specify whether to generate a bluer or a redder output.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Admin Controls

Menu item	Description
Text Default 5–95 (75*)	Set the quality of text on a scanned image.
Text/Photo Default 5–95 (75*)	Set the quality of text or photo image on a scanned image.
Photo Default 5–95 (50*)	Set the quality of a photo image on a scanned image.
Use Multi-Page TIFF On* Off	Choose between single- and multiple-page TIFF files.
Transmission Log Print Log* Do Not Print Log Print Only For Error	Print a log for successful FTP scan transmission.
Log Paper Source Tray [x] (1*) Multipurpose Feeder	Specify the paper source for printing FTP logs.
Log Output Bin Standard Bin* Bin [x]	Specify the output bin for printed logs. Note: Bin [x] appears only when an optional bin is installed.
FTP Bit Depth 1 bit 8 bit*	Enable the Text/Photo mode to have smaller file sizes by using 1-bit image. Note: This menu item appears only when Color is set to Gray.
Allow Save as Shortcut Off On*	Save custom FTP settings as shortcuts.
Adjust ADF Skew Off* On	Fix skewed images that are scanned from the ADF.
Note: An asterisk (*) next to a value indicates the factory default setting.	

USB Drive

Flash Drive Scan

Menu item	Description
Format PDF (.pdf)* TIFF (.tif) JPEG (.jpg) XPS (.xps)	Specify the file format for the scanned image. Note: The settings may vary depending on your printer model.
PDF Settings PDF Version 1.3 1.4 1.5* 1.6 1.7 Archival Version A-1a* A-1b Secure Off* On Archival (PDF/A) Off* On	Set the PDF format for the scanned image.
Content Type Text Text/Photo* Graphics Photo	Improve the output result based on the content of the original document.
Content Source Black and White Laser Color Laser* Inkjet Photo/Film Magazine Newspaper Press Other	Improve the output result based on the source of the original document.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Menu item	Description
Color Black and White Gray Color* Auto	Specify the color when scanning an image.
Resolution 75 dpi 150 dpi* 200 dpi 300 dpi 400 dpi 600 dpi	Set the resolution of the scanned image.
Darkness 1–9 (5*)	Adjust the darkness of the scanned image.
Orientation Portrait* Landscape	Specify the orientation of text and graphics on the page.
Original Size [List of paper sizes]	Set the paper size of the original document. Notes: <ul style="list-style-type: none"> • Letter is the U.S. factory default setting. A4 is the international factory default setting. • This setting may vary depending on your printer model.
Sides (Duplex) Off* Long edge Short edge	Specify the page orientation of text and graphics when scanning a two-sided document.
File Name	Specify the file name of the scanned image.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Advanced Imaging

Menu item	Description
Color Balance	Adjust the amount of toner used for each color.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Menu item	Description
Color Dropout Color Dropout None* Red Green Blue Default Red Threshold 0–255 (128*) Default Green Threshold 0–255 (128*) Default Blue Threshold 0–255 (128*)	Specify which color to drop during scanning, and adjust the dropout setting for that color.
Auto Color Detect Color Sensitivity 1–9 (5*) Area Sensitivity 1–9 (5*)	Set the amount of color that the printer detects from the original document. Note: This menu item appears only when Color is set to Auto.
JPEG Quality Best for content* 5–95	Set the quality of a JPEG-format image. Notes: <ul style="list-style-type: none"> • 5 reduces the file size, but lessens the image quality. • 90 provides the best image quality, but produces a large file size.
Contrast Best for content* 0 1 2 3 4 5	Specify the contrast of the output.
Background Removal -4 to 4 (0*)	Adjust the amount of background visible on a scanned image.
Mirror Image Off* On	Create a mirror image of the original document.
Negative Image Off* On	Create a negative image of the original document.
Shadow Detail -4 to 4 (0*)	Adjust the amount of shadow detail visible on a scanned image.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Menu item	Description
Scan edge to edge Off* On	Allow edge-to-edge scanning of the original document.
Sharpness 1–5 (3*)	Adjust the sharpness of a scanned image.
Temperature -4 to 4 (0*)	Specify whether to generate a bluer or a redder output.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Admin Controls

Menu item	Description
Text Default 5–95 (75*)	Set the quality of text on a scanned image.
Text/Photo Default 5–95 (75*)	Set the quality of text or photo on a scanned image.
Photo Default 5–95 (75*)	Set the quality of a photo on a scanned image.
Use Multi-Page TIFF On* Off	Choose between single- and multiple-page TIFF files.
TIFF Compression LZW* JPEG	Set the compression for TIFF files.
Scan Bit Depth 1 bit 8 bit*	Enable the Text/Photo mode to have smaller file sizes by using 1-bit image. Note: This menu item appears only when Color is set to Gray.
Adjust ADF Skew Off* On	Fix skewed images that are scanned from the ADF.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Flash Drive Print

Menu item	Description
Number of Copies 1–9999 (1*)	Set the number of copies.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Menu item	Description
Paper Source Tray [x] (1*) Multipurpose Feeder Manual Paper Manual Envelope	Specify the paper source for the print job.
Color Off On*	Specify whether to print in color.
Collate (1,1) (2,2,2)* (1,2,3) (1,2,3)	Print multiple copies in sequence.
Sides (Duplex) 1-Sided* 2-Sided	Specify which side of the paper to print on.
Staple Off* 1 staple, top left corner 2 staples, left 1 staple, top right corner 2 staples, top 1 staple, bottom left corner 2 staples, bottom 1 staple, bottom right corner 2 staples, right	Specify the staple position for all print jobs. Note: This menu item appears only when a staple finisher is installed.
Hole Punch Off* On	Punch holes along the edge of the printed output. Note: This menu item appears only when a multiposition staple, hole punch finisher is installed.
Hole Punch Mode 2 holes 3 holes 4 holes	Set the hole punch mode for the printed output. Notes: <ul style="list-style-type: none"> • 3 holes is the U.S. factory default setting. 4 holes is the international factory default setting. • This menu item appears only when a multiposition staple, hole punch finisher is installed.
Offset Pages None* Between Copies Between Jobs	Offset the output of each print job or each copy of a print job.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Menu item	Description
Duplex Binding Long Edge* Short Edge	Define binding for two-sided pages, and how the printing on the back of the sheet is oriented in relation to the printing on the front. Notes: <ul style="list-style-type: none"> • Long Edge assumes binding along the long edge of the page (left edge for portrait and top edge for landscape). • Short Edge assumes binding along the short edge of the page (top edge for portrait and left edge for landscape).
Pages per Side Off* 2-Up 3-Up 4-Up 6-Up 9-Up 12-Up 16-Up	Print multiple page images on one side of a sheet of paper.
Pages per Side Ordering Horizontal* Reverse Horizontal Reverse Vertical Vertical	Specify the positioning of multiple page images when using Pages per Side. Note: The positioning depends on the number of page images and their page orientation.
Pages per Side Orientation Auto* Landscape Portrait	Specify the orientation of a multiple-page document when using Pages per Side.
Pages per Side Border None* Solid	Print a border around each page image when using Pages per Side.
Separator Sheets Off* Between Copies Between Jobs Between Pages	Specify whether to insert blank separator sheets when printing.
Separator Sheet Source Tray [x] (1*) Multipurpose Feeder	Specify the paper source for the separator sheet. Note: For Multipurpose Feeder to appear, set Configure MP to Cassette from the Paper menu.
Blank Pages Do Not Print* Print	Specify whether to include blank pages in a print job.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Security

Login Methods

Manage Permissions

Menu item	Description
<p>Function Access</p> <ul style="list-style-type: none"> Access Address Book in Apps Modify Address Book Manage Shortcuts Create Profiles Manage Bookmarks Flash Drive Print Flash Drive Color Printing Copy Function Copy Color Printing Color Dropout E-mail Function Fax Function FTP Function Release Held Faxes Held Jobs Access User Profiles Cancel Jobs at the Device Change Language from Home Screen Internet Printing Protocol (IPP) Initiate Scans Remotely B/W Print Color Print 	<p>Control access to the printer functions.</p>
<p>Administrative Menus</p> <ul style="list-style-type: none"> Security Menu Network/Ports Menu Paper Menu Reports Menu Function Configuration Menus Supplies Menu Option Card Menu SE Menu Device Menu 	<p>Control access to the printer menu settings.</p>

Menu item	Description
Device Management Remote Management Firmware Updates Apps Configuration Operator Panel Lock Import/Export All Settings Out of Service Erase	Control access to the printer management options.
Apps New Apps	Control access to printer applications.

Local Accounts

Menu item	Description
Manage Groups/Permissions Add Group Import Access Controls Function Access Administrative Menus Device Management Apps All Users Import Access Controls Function Access Administrative Menus Device Management Apps Admin	Control group or user access to the printer functions, applications, and security settings.
Add User User Name/Password User Name Password PIN	Create local accounts to manage access to the printer functions.
User Name/Password Accounts Add User	
User Name Accounts Add User	
Password Accounts Add User	
PIN Accounts Add User	

Schedule USB Devices

Menu item	Description
Schedules Add New Schedule	Schedule access to the USB ports.

Security Audit Log

Menu item	Description
Enable Audit Off* On	Record the events in the secure audit log and remote syslog.
Enable Remote Syslog Off* On	Send audit logs to a remote server.
Remote Syslog Server	Specify the remote syslog server and port.
Remote Syslog Port 1–65535 (514*)	
Remote Syslog Method Normal UDP* Stunnel	Specify a syslog method to transmit logged events to a remote server.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Menu item	Description
<p>Remote Syslog Facility</p> <ul style="list-style-type: none"> 0 - Kernel Messages 1 - User-Level Messages 2 - Mail System 3 - System Daemons 4 - Security/Authorization Messages* 5 - Messages Generated Internally by Syslogs 6 - Line Printer Subsystem 7 - Network News Subsystem 8 - UUCP Subsystem 9 - Clock Daemon 10 - Security/Authorization Messages 11 - FTP Daemon 12 - NTP Subsystem 13 - Log Audit 14 - Log Alert 15 - Clock Daemon 16 - Local Use 0 (local0) 17 - Local Use 1 (local1) 18 - Local Use 2 (local2) 19 - Local Use 3 (local3) 20 - Local Use 4 (local4) 21 - Local Use 5 (local5) 22 - Local Use 6 (local6) 23 - Local Use 7 (local7) 	<p>Specify a facility code that the printer uses when sending log events to a remote server.</p>
<p>Severity of Events to Log</p> <ul style="list-style-type: none"> 0 - Emergency 1 - Alert 2 - Critical 3 - Error 4 - Warning* 5 - Notice 6 - Informational 7 - Debug 	<p>Specify the priority level cutoff for logging messages and events.</p> <p>Notes:</p> <ul style="list-style-type: none"> • 0 - Emergency is the highest severity. 7 - Debug is the lowest. • The selected severity level and anything higher are logged. For example, selecting 4 - Warning logs the severity levels from 0 to 4.
<p>Remote Syslog Non-Logged Events</p> <ul style="list-style-type: none"> Off* On 	<p>Send all events, regardless of severity level, to the remote server.</p>
<p>Admin's E-mail Address</p>	<p>Send e-mail notification of logged events to the administrator.</p>
<p>Note: An asterisk (*) next to a value indicates the factory default setting.</p>	

Menu item	Description
E-mail Log Cleared Alert Off* On	Send e-mail notification to the administrator when a log entry is deleted.
E-mail Log Wrapped Alert Off* On	Send e-mail notification to the administrator when the log becomes full and begins to overwrite the oldest entries.
Log Full Behavior Wrap Over Older Entries* E-mail Log Then Delete All Entries	Resolve log storage issues when the log fills its allotted memory.
E-mail % Full Alert Off* On	Send e-mail notification to the administrator when the log fills its allotted memory.
% Full Alert Level 1–99 (90%*)	
E-mail Log Exported Alert Off* On	Send e-mail notification to the administrator when a log is exported.
E-mail Log Settings Changed Alert Off* On	Send e-mail notification to the administrator when Enable Audit is set.
Log Line Endings LF (\n)* CR (\r) CRLF (\r\n)	Specify how the log file terminates the end of each line.
Digitally Sign Exports Off* On	Add a digital signature to each exported log file.
Clear Log Start	Delete all audit logs.
Export Log Syslog (RFC 5424) Syslog (RFC 3164) CSV	Export a security log to a flash drive.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Login Restrictions

Menu item	Description
Login failures 1–10 (3*)	Specify the number of failed login attempts before the user gets locked out.
Failure time frame 1–60 minutes (5*)	Specify the time frame between failed login attempts before the user gets locked out.
Lockout time 1–60 minutes (5*)	Specify the lockout duration.
Web Login Timeout 1–120 minutes (10*)	Specify the delay for a remote login before the user is logged off automatically.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Confidential Print Setup

Menu item	Description
Max Invalid PIN 2–10	Set the number of times an invalid PIN can be entered. Notes: <ul style="list-style-type: none"> • A value of zero turns off this setting. • When the limit is reached, the print jobs for that user name and PIN are deleted. • This menu item appears only when a hard disk is installed.
Confidential Job Expiration Off* 1 Hour 4 Hours 24 Hours 1 Week	Set the expiration time for confidential print jobs. Notes: <ul style="list-style-type: none"> • If this menu item is changed while confidential print jobs reside in the printer memory or hard disk, then the expiration time for those print jobs does not change to the new default value. • If the printer is turned off, then all confidential jobs held in the printer memory are deleted.
Repeat Job Expiration Off* 1 Hour 4 Hours 24 Hours 1 Week	Set the expiration time for a print job that you want to repeat.
Verify Job Expiration Off* 1 Hour 4 Hours 24 Hours 1 Week	Set the expiration time that the printer prints a copy for the user to examine its quality, before printing the remaining copies.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Menu item	Description
Reserve Job Expiration Off* 1 Hour 4 Hours 24 Hours 1 Week	Set the expiration time that the printer stores print jobs for printing at a later time.
Require All Jobs to be Held Off* On	Set the printer to hold all print jobs.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Erase Temporary Data Files

Menu item	Description
Stored in onboard memory Off* On	Delete all files stored on the printer memory.
Stored on hard disk 1 Pass Erase* 3 Pass Erase 7 Pass Erase	Delete all files stored on the printer hard disk.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Miscellaneous

Menu item	Description
Protected Features Show Hide*	Show secured applications or functions on the home screen.
Print Permission Off* On	Allow users to print.
Default Print Permission Login	Set the login credentials that allow users to print.
Security Reset Jumper Enable "Guest" access* No Effect	Specify the effect of using the security reset jumper. Notes: <ul style="list-style-type: none"> The jumper is located beside a lock icon on the controller board. Enable "Guest" access provides guests with full access control. No Effect means that the reset has no effect on the printer security configuration.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Menu item	Description
Minimum Password Length 0–32 (0*)	Specify the minimum characters allowed for a password.
Note: An asterisk (*) next to a value indicates the factory default setting.	

Reports

Menu Settings Page

Menu item	Description
Menu Settings Page	Print a report that contains the printer menus.

Device

Menu item	Description
Device Information	Print a report that contains information about the printer.
Device Statistics	Print a report about printer usage and supply status.
Profile List	Print a list of profiles that are stored in the printer.
Asset Report	Print a report that contains the printer serial number and model name.

Print

Menu item	Description
Print Fonts PCL Fonts PS Fonts	Print a list of supported fonts.

Shortcuts

Menu item	Description
All Shortcuts	Print a report that lists the shortcuts that are stored in the printer.
Fax Shortcuts	
Copy Shortcuts	
E-mail Shortcuts	
FTP Shortcuts	

Fax

Menu item	Description
Fax Job Log	Print a report about the last 200 completed fax jobs. Note: This menu item appears only when Enable Job Log is set to On.
Fax Call Log	Print a report about the last 100 attempted, received, and blocked calls. Note: This menu item appears only when Enable Job Log is set to On.

Network

Menu item	Description
Network Setup Page	Print a page that shows the configured network and wireless settings on the printer. Note: This menu item appears only in network printers or printers connected to print servers.

Help

Help

Menu item	Description
Print All Guides	Print all the guides.
Color Quality Guide	Print a page that contains information about solving color quality issues.
Connection Guide	Print a page that contains information about connecting the printer to a network.
Copy Guide	Print a page that contains information about making a copy and configuring the settings.
E-mail Guide	Print a page that contains information about sending an e-mail and configuring the settings.
Fax Guide	Print a page that contains information about sending a fax and configuring the settings.
Information Guide	Print a page that provides more information about the printer.
Media Guide	Print a page that contains information about loading paper and specialty media.
Moving Guide	Print a page that provides instructions for moving the printer.
Print Quality Guide	Print a page that contains information about solving print quality issues.
Scan Guide	Print a page that contains information about scanning a document and configuring the settings.
Supplies Guide	Print a page that contains information about ordering supplies and repeating print quality defects.

Troubleshooting

Troubleshooting

Menu item	Description
Basic Print Quality Samples	Print sample pages for basic troubleshooting of print quality problems.
Advanced Print Quality Samples	Print sample pages for advanced troubleshooting of print quality problems.

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