Printing

Print materials

Supplies

Troubleshooting

Administration

Your printer has eleven menu categories with printer settings grouped together under each menu. For example, settings for printer status are under the Supplies Menu; settings for paper handling are grouped under the Paper Menu.

The menu map shows the printer settings for each menu. Click on any setting for a description of what it is and when to use it.

Using the printer menu settings

Linking paper trays saves you time refilling them, monitoring supplies reminds you when to have replacements on hand, and selecting a specific print quality setting helps reduce printing costs—these are a few examples of using printer settings to control how you want to print.

Media handling

If you use the same media size and media type in tray 1 and tray 2, you can link the two trays by selecting the same Paper Size and Paper Type in the Paper Menu**.** When one tray is empty, the printer automatically switches to the other tray.

Printer status

Use the settings in the Supplies Menu to monitor your supplies.

Printing

Print materials

Supplies

Troubleshooting

Administration

Reduce printing costs

Conserving supplies lowers printing costs:

- Change the print quality setting from Normal (the default) to Ink Saver

Color menu	
Menu Item	**Printer Setting**
Print Quality	Ink Saver* Normal Best

- Select N-UP printing from your printer driver to save paper by printing multiple pages on one page or
- Select Duplex from your printer driver to print jobs on both sides of the page.

Performance versus print quality

Change the print quality setting to Ink Saver for fast, bidirectional printing. Remember that the faster speed may degrade print quality.

Change the print quality setting to Best to get the best print quality, but print speed is slower.

Printing

Print materials

Supplies

Troubleshooting

Administration

Printer maintenance

Use these settings in the Utilities Menu to keep your printer running smoothly:

- Align the printheads
- Clean the printheads
- Replace ink cartridges
- Replace printheads

Printing

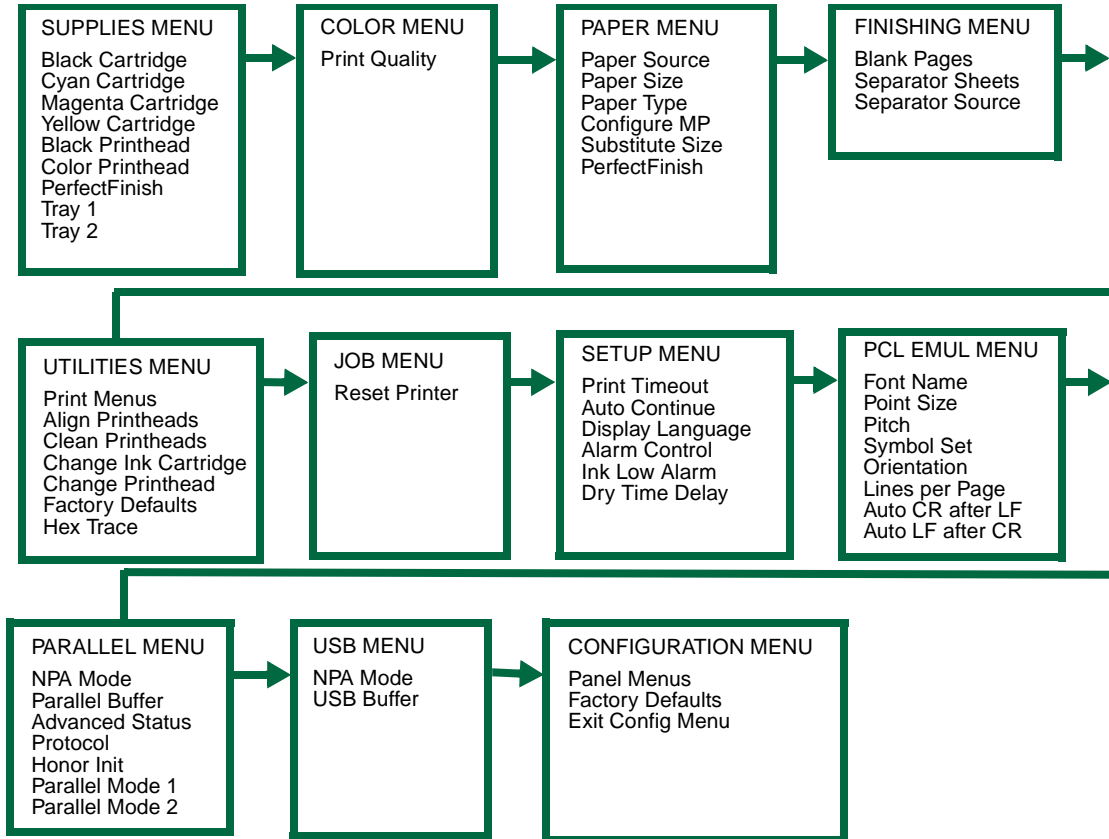Print materials

Supplies

Troubleshooting

Administration

SUPPLIES MENU

Black Cartridge
Cyan Cartridge
Magenta Cartridge
Yellow Cartridge
Black Printhead
Color Printhead
PerfectFinish
Tray 1
Tray 2

COLOR MENU

Print Quality

PAPER MENU

Paper Source
Paper Size
Paper Type
Configure MP
Substitute Size
PerfectFinish

FINISHING MENU

Blank Pages
Separator Sheets
Separator Source

UTILITIES MENU

Print Menus
Align Printheads
Clean Printheads
Change Ink Cartridge
Change Printhead
Factory Defaults
Hex Trace

JOB MENU

Reset Printer

SETUP MENU

Print Timeout
Auto Continue
Display Language
Alarm Control
Ink Low Alarm
Dry Time Delay

PCL EMUL MENU

Font Name
Point Size
Pitch
Symbol Set
Orientation
Lines per Page
Auto CR after LF
Auto LF after CR

PARALLEL MENU

NPA Mode
Parallel Buffer
Advanced Status
Protocol
Honor Init
Parallel Mode 1
Parallel Mode 2

USB MENU

NPA Mode
USB Buffer

CONFIGURATION MENU

Panel Menus
Factory Defaults
Exit Config Menu

Printing

Print materials

Supplies

Troubleshooting

Administration

Supplies Menu

Only supplies that are low or empty appear on the operator panel display.

- Black Cartridge
- Cyan Cartridge
- Magenta Cartridge
- Yellow Cartridge
- Black Printhead
- Color Printhead
- PerfectFinish Cartridge
- Tray 1
- Tray 2

Printing

Print materials

Supplies

Troubleshooting

Administration

Black Cartridge/Cyan Cartridge/Magenta Cartridge/Yellow Cartridge

A Low, Empty or Refilled message indicates a color ink cartridge—C (Cyan), M (Magenta), Y (Yellow) or a black ink cartridge—K (Black)—needs attention. See Replacing an ink cartridge.

Menu item	Value
Black Cartridge	=Low
	=Empty
Cyan Cartridge	=Low
	=Empty
Magenta Cartridge	=Low
	=Empty
Yellow Cartridge	=Low
	=Empty

Printing

Print materials

Supplies

Troubleshooting

Administration

Black Printhead/Color Printhead

A `Life Warning` message indicates that a a black printhead—K (Black)—or a color printhead—C (Cyan), M (Magenta), Y (Yellow)—needs to be replaced.   See Replacing a printhead.

Black Printhead	=Life Warning
Color Printhead	=Life Warning

PerfectFinish Cartridge

An `Empty` message indicates that the PerfectFinish cartridge needs to be replaced. See Replacing the PerfectFinish cartridge.

PerfectFinish	=Empty

Printing

Print materials

Supplies

Troubleshooting

Administration

Tray 1/Tray 2

An `Empty` message indicates that the tray is out of paper or the tray is not inserted correctly. To add paper, see Loading tray 1 or tray 2. If there is already paper in the tray, remove and reinsert the tray.

Tray 1   =Empty

Tray 2   =Empty

Printing

Print materials

Supplies

Troubleshooting

Administration

Color Menu

Use the Color Menu print quality settings to select the amount of ink used in your print jobs. This lets you reduce printing costs, increase the speed of your print jobs or print at the highest quality resolution.

Ink Saver

Use this setting to conserve ink when printing drafts.

Normal

Use this setting for most print jobs.

Best

Use this setting for presentations and charts.

Printing

Print materials

Supplies

Troubleshooting

Administration

Paper Menu

Use this menu to specify what tray (or feeder) you want your job to print from and the size and type of media you want to print on. Only installed sources display.

- Paper Source

  - If you use any source other than tray 1, be sure to specify the correct source from the operator panel or your printer driver before printing your job.

- Paper Size

- Paper Type

- Configure MP

- Substitute Size

- PerfectFinish Cartridge

Printing

Print materials

Supplies

Troubleshooting

Administration

Paper source	Paper size	Paper type
Tray 1	• A4 • A5 • JIS B5 • Letter* (US) • Legal • Executive • Universal	• Plain Paper* • Coated Paper • Glossy Paper • Photo Paper • Card Stock • Transparency • Labels • Iron On • Bond • Letterhead • Preprinted • Colored Paper
Tray 2	• A4 • A5 • JIS B5 • Letter* (US) • Legal • Executive • Universal	• Plain Paper* • Coated Paper • Glossy Paper • Photo Paper • Card Stock • Transparency • Labels • Iron On • Bond • Letterhead • Preprinted • Colored Paper

Printing

Print materials

Supplies

Troubleshooting

Administration

Paper source	Paper size	Paper type
MP Feeder	• Letter* (US) • 7 3/4 Envelope • 9 envelope • 10 Envelope* (US) • DL Envelope • C5 Envelope • B5 Envelope • Other Envelope	• Plain Paper* • Coated Paper • Glossy Paper • Photo Paper • Card Stock • Transparency • Labels • Iron On • Bond • Envelope • Letterhead • Preprinted • Colored Paper
Manual Pap	• A4 • A5 • JIS B5 • Letter* (US) • Legal • Executive • Universal	• Plain Paper* • Coated Paper • Glossy Paper • Photo Paper • Card Stock • Transparency • Labels • Iron On • Bond • Letterhead • Preprinted • Colored Paper

Printing

Print materials

Supplies

Troubleshooting

Administration

Paper source	Paper size	Paper type
Manual Env	7 3/4 Envelope 9 envelope 10 Envelope* (US) - DL Envelope - C5 Envelope - B5 Envelope - Other Envelope	Envelope*
*Factory default		

Configure MP

Use Cassette, the default setting, to print continuously from the multipurpose feeder. If you manually feed single sheets, select Manual. If you keep paper in the multipurpose feeder and configure it as First, the printer always feeds from the multipurpose feeder.

Menu item	Value
Configure MP	• Cassette* • Manual • First

*Factory default

Substitute Size

The printer automatically prints letter-size jobs on A4-size paper and A4-size jobs on letter-size paper if the requested size is not loaded in the tray.   Turn off this setting if you do not want to substitute the page size.

Menu item	Value
Substitute Size	• Off • Letter/A4*

Printing

Print materials

Supplies

Troubleshooting

Administration

PerfectFinish

The default for PerfectFinish is on. To divert the job from the PerfectFinish paper path, you can turn this setting off.

Menu item	Value
PerfectFinish	• On* • Off

*Factory default

Printing

Print materials

Supplies

Troubleshooting

Administration

Finishing Menu

Use this menu if you want your print jobs to be separated with a blank page.

- Blank Pages

- Separator Sheets

- Separator Source

Blank Pages

If your print jobs requires an even-number of pages, change this setting to Print.

Menu item	Value
Blank Pages	=Do Not Print*
	=Print

*Factory default

Separator Sheets

If you are sharing your printer with other people in the area, you can separate your jobs with a blank page inserted between jobs. If you are printing transparencies, you can select Between Pages to insert a blank page after each printed page.

Menu item	Value
Separator Sheets	=None*
	=Between Jobs
	=Between Pages

*Factory default

Printing

Print materials

Supplies

Troubleshooting

Administration

Separator Source

If you are using separator sheets, select Separator Source and then the tray containing the separator sheets. Only installed paper sources are displayed.

Menu item	Value
Separator Source	=Tray 1*
	=Tray 2
	=MP Feeder

*Factory default

Printing

Print materials

Supplies

Troubleshooting

Administration

Utilities Menu

Use this menu when installing new ink cartridges or printheads or to troubleshoot printing problems.

- Print Menus

- Align Printheads

- Clean Printheads

- Change Ink Cartridge

- Change Printhead

- Factory Defaults

- Hex Trace

Printing

Print materials

Supplies

Troubleshooting

Administration

Print Menus

Use this menu to print a menu settings page listing your current printer settings and installed options.

Menu item	Value
Print Menus	Press Select to print a menu page.

Align Printheads

Use this menu to print the printhead alignment test page. Once the page prints, select the bars that best line up vertically and horizontally.

Menu item	Value
Align Printheads	Press Select to print the alignment page.
	• A,B,C,D =1..15
	• E =1..27
	• F,G,H =1..15

Printing

Print materials

Supplies

Troubleshooting

Administration

Clean Printheads

If you notice print quality problems, the printhead(s) may be clogged. Use this menu to select Short Clean to remove dried ink from the printhead. This should fix most problems. If you do not see any improvement, select Long Clean.

Menu item	Value
Clean Printheads	=Short Clean
	=Long Clean

Change Ink Cartridge

To replace an ink cartridge, you can either open the cover or select Change Ink Cartridge from the Utilities Menu.

Menu item	Value
Change Ink Cartridge	Press Select. You are prompted to open the cover.

Printing

Print materials

Supplies

Troubleshooting

Administration

Change Printhead

To move the carrier to the load position, select Change Printhead from the Utilities Menu.

Menu item	Value
Change Printhead	Press Select. You are prompted to open the cover.

Factory Defaults

To restore printer settings to their factory defaults, select Factory Defaults from the Utilities Menu. All settings except Display Language, Parallel Menu and USB Menu are reset.

Menu item	Value
Factory Defaults	=Restore
	=Do Not Restore

Printing

Print materials

Supplies

Troubleshooting

Administration

Hex Trace

When unexpected characters print or characters are missing, use Hex Trace to help isolate printing problems by printing a hexidecimal and character representation of what information your printer is receiving.

Menu item	Value
Hex Trace	Press Select to activate Hex Trace mode.

Printing

Print materials

Supplies

Troubleshooting

Administration

Job Menu

Use this menu to reset the printer to the settings you defined. Make sure there are no other jobs waiting to print before pressing Reset Printer or you risk losing some or all of the jobs.

Menu item	Value
Reset Printer	Press Select to reset the printer settings.

Printing

Print materials

Supplies

Troubleshooting

Administration

Setup Menu

Use this menu to change printer warm-up time, how long the printer waits when it detects an error, what language you want displayed on the operator panel, whether you want to be alerted when the printer needs attention, and how long the printer waits before printing the next page.

- Print Timeout

- Auto Continue

- Display Language

- Alarm Control

- Ink Low Alarm

- Dry Time Delay

Printing

Print materials

Supplies

Troubleshooting

Administration

Print Timeout

Use the Print Timeout setting to set the number of seconds the printer waits before printing the last page of a job that does not end with a command to print the page. When Print Timeout is disabled, the printer does not print the last page of a job until it has enough information to fill a page or it receives a Form Feed command.

Menu item	Value
Print timeout	Disabled*
	=1...240 (90*)

*Default setting

Auto Continue

If the printer is unattended on a network, use the Auto Continue setting to tell the printer how long to wait after detecting one of the following errors before resuming printing:

- **37 Short Paper**
- **38 Memory Full**
- **54 Std Par ENA Connection Lost**
- **56 Std Parallel Port Disabled**
- **88 Cartridge Low**

If Auto Continue is disabled, the printer stops and waits for operator intervention.

Menu item	Value
Auto Continue	Disabled*
	=5...255

*Default setting

Printing

Print materials

Supplies

Troubleshooting

Administration

Display Language

Use this setting to choose the language you want displayed on the operator panel.

Menu item	Value
Display Language	=English =French =German =Italian =Spanish =Danish =Norwegian =Dutch =Swedish =Portuguese =Finnish =Japanese

Printing

Print materials

Supplies

Troubleshooting

Administration

Alarm Control

Use the alarm to alert you when the printer needs intervention.

Menu item	Value
Alarm Control	=Off
	=On*

*Default setting

Ink Low Alarm

Use the alarm to alert you when ink cartridges are running low.

Menu item	Value
Ink Low Alarm	=Off
	=On*

*Default setting

Printing

Print materials

Supplies

Troubleshooting

Administration

Dry Time Delay

If the media you are using is slow drying, you can increase the number of seconds the printer waits before printing the next page, either from your printer driver or from the operator panel.

Menu item	Value
Dry Time Delay	=Disabled*
	=Auto
	=1..30

*Default setting

Printing

Print materials

Supplies

Troubleshooting

Administration

PCL Emul Menu

Use this menu to change settings for jobs printed in PCL emulation printer language.

- Font Name

- Point Size

- Pitch

- Symbol Set

- Orientation

- Lines Per Page

- Auto CR After LF

- Auto LF After CR

Font Name

Select the font you want to use from this menu.

Menu item	Value
Font Name	Select the font

Point Size

If you choose a scalable typographic font, you can select the point size (height of the font characters). One point equals approximately 1/72 of an inch.

Menu item	Value
Point Size (only displays typographic fonts)	Select the point size

Printing

Print materials

Supplies

Troubleshooting

Administration

Pitch

If you choose a scalable monospaced font, you can change the pitch (the number of fixed space characters in a horizontal inch of type).

Menu item	Value
Pitch (only displays fixed or monospaced fonts)	Select the pitch

Symbol Set

Choose a symbol set, which contains alphabetic and numeric characters, punctuation, and special symbols, for different printing requirements, such as math symbols for scientific text.

Menu item	Value
Symbol Set	Select the symbol set

Printing

Print materials

Supplies

Troubleshooting

Administration

Orientation

Choose the direction you want your job printed on the page.

Menu item	Value
Orientation	=Portrait*
	=Landscape

*Factory default

Lines Per Page

Change the number of lines printed on a page. Remember: if you change this setting, be sure to select the correct paper size and orientation first.

Menu item	Value
Lines Per Page	=1...255 (US=60* / Non-US=64*)

*Factory default

Auto CR After LF

This setting determines how the printer formats the end of a line. Select whether the printer automatically performs a carriage return (CR) after a line feed (LF) control command.

Menu item	Value
Auto CR After LF	=Off*
	=On

*Factory default

Auto LF After CR

Like the setting above, this setting determines how the printer formats the end of a line. Select whether the printer automatically performs a line feed (LF) after a carriage return (CR) control command.

Menu item	Value
Auto LF After CR	=Off*
	=On

*Factory default

Printing

Print materials

Supplies

Troubleshooting

Administration

Parallel Menu

Use this menu to change settings for jobs sent to the printer through the parallel interface connection.

- NPA Mode

- Parallel Buffer

- Advanced Status

- Protocol

- Honor Init

- Parallel Mode 1

- Parallel Mode 2

Printing

Print materials

Supplies

Troubleshooting

Administration

NPA Mode

When NPA Mode is enabled, your computer can send print jobs to the printer and query printer status information simultaneously.

Menu item	Value
NPA Mode	=On
	=Off
	=Auto*

*Factory default

Printing

Print materials

Supplies

Troubleshooting

Administration

Parallel Buffer

You can configure the size of the parallel input buffer to meet your system's requirements. The maximum size you can modify depends on the amount of memory in your printer. Auto, the default setting, calculates a buffer size proportional to the total amount of available printer memory.

Menu item	Value
Parallel Buffer	=Disabled
	=Auto*
	3K to maximum size allowed

> **Note:** Changing the parallel buffer setting automatically resets the printer.

*Factory default

Advanced Status

With Advanced Status set to on, bidirectional communication is enabled through the parallel interface.

Menu item	Value
Advanced Status	=Off
	=On*

*Factory default

Protocol

When the protocol is set to Fastbytes, the printer receives information at a much faster transmission rate, provided the host computer supports Fastbytes. When the protocol is set to Standard, the printer receives information at a normal transmission rate.

Menu item	Value
Protocol	=Standard
	=Fastbytes*

*Factory default

Printing

Print materials

Supplies

Troubleshooting

Administration

Honor Init

This setting determines whether the printer honors hardware initialization requests from the computer.

Menu item	Value
Honor Init	=Off*
	=On

*Factory default

Parallel Mode 1

This setting controls the pull up resistors on the parallel port signals. It is useful for personal computers that have open collector outputs on the parallel port signals. This setting appears only if the Parallel Port supports this feature.

Menu item	Value
Parallel Mode 1	=Off*
	=On

*Factory default

Printing

Print materials

Supplies

Troubleshooting

Administration

Parallel Mode 2

If this setting is set to On, the parallel port data is sampled on the leading edge of strobe. If set to Off, the parallel port data is sampled on the trailing edge of strobe. This setting appears only if the Parallel Port supports this feature.

Menu item	Value
Parallel Mode 2	=Off
	=On*

*Factory default

Printing

Print materials

Supplies

Troubleshooting

Administration

USB Menu

Use this menu to change settings for jobs sent to the printer through the Universal Serial Bus (USB) interface port.

- NPA Mode

- USB Buffer

Printing

Print materials

Supplies

Troubleshooting

Administration

NPA Mode

When NPA Mode is enabled, your computer can send print jobs to the printer and query printer status information simultaneously.

Menu item	Value
NPA Mode	=On
	=Off
	=Auto*

*Factory default

Printing

Print materials

Supplies

Troubleshooting

Administration

USB Buffer

You can configure the size of the USB input buffer to meet your system's requirements. The maximum size you can modify depends on the amount of memory in your printer. Auto, the default setting, calculates a buffer size proportional to the total amount of available printer memory.

Menu item	Value
USB Buffer	=Disabled
	=Auto*
	=3K to maximum size allowed

> **Note:** Changing the parallel buffer setting automatically resets the printer.

*Factory default

Printing

Print materials

Supplies

Troubleshooting

Administration

Configuration Menu

Use this menu to lock the operator panel or to restore all printer settings to the factory defaults.

- Panel Menus

- Factory Defaults

- Exit Config Menu

Printing

Print materials

Supplies

Troubleshooting

Administration

Panel Menus

If you do not want others changing the printer default settings, you can disable the operator panel menus.

Menu item	Value
Panel Menus	=Disable
	=Enable*

*Factory default

Factory Defaults

If you select Restore All, all downloaded fonts, macros and symbol sets in printer memory are deleted and all menu settings return to their factory defaults except Display Language and all settings in the Parallel Menu and USB Menu.

Menu item	Value
Factory Defaults	=Restore All

Printing

Print materials

Supplies

Troubleshooting

Administration

Exit Config Menu

Press Select to exit the Configuration Menu.

Menu item	Value
Exit Config Menu	Press Select