B Control panel menus

Overview

The control panel menu layout represents an attempt to show the menus used by all end users while protecting the menus used by administrators. End users will typically use the first three menus of the list. Administrators and service technicians will use the other items, which can be protected by a personal identification number (PIN).

You can perform most routine printing tasks from the computer through the printer driver or software application. This is the most convenient method to control the printer, and will override the printer control panel settings. See the help files associated with the software, or for more information about how to gain access to the printer driver, see "Helpful printer software for increased printing flexibility" on page 17.

Note   Printer driver and software commands override the printer control panel settings.

From the control panel, you can print a menu map that shows the layout and current settings of the control panel menu items (See "Menu map" on page 154).

Additional menu items can appear in the control panel, depending on the options currently installed in the printer.

This appendix lists all the items and possible values for the printer. (Default values are listed in the "Item" column.)

Note   For more information about an optional HP output device, see the user guide that came with the device.

This appendix includes:

- Retrieve job menu shows jobs stored on the device. Jobs are listed by user and job name. See "Job retention features" on page 59 for information of how to store jobs.

- Information menu lists printable menu map and other information pages.

- Paper handling menu allows the user to set paper type (and size if not detected) for each printer tray.

- Configure device menu allows administrators to set defaults, I/O ports, diagnostics, and resets.

  - Printing submenu
  - Print quality submenu
  - System setup submenu
  - I/O submenu
  - Diagnostics submenu
  - Resets submenu

- Service menu allows service technicians to monitor printer status and to provide appropriate assistance during a service call.

Retrieve job menu

Note   If there are no private, stored, quick copy, or proof-and-hold jobs on the printer hard disk or RAM
                            memory, the message `NO STORED JOB` is displayed when the menu is selected.

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1   The user is presented a list of user names.

2   The user selects a user name, and is then shown a list of jobs stored for that user.

3   The user selects a job name, and can print or delete. If a job requires a PIN to print, 🔒 appears next to
          the **PRINT** command and a PIN must be provided. If a job requires a PIN to delete, 🔒 appears next to the
          DELETE command and a PIN must be provided.

4   If the user selects **PRINT**, the printer prompts the user to specify the number of copies to print (1 to
          32,000).

Information menu

To print an information page, scroll to the desired page and press ✓ .

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Item	Explanation
PRINT MENU MAP	Generates a menu map that shows layout and current settings of the control menu items.
	The printer will back up one screen to SET FRONT TO BACK when the page is completed.
PRINT CONFIGURATION	Generates a page detailing the current configuration of the printer.
	The printer will return to the online READY state when the page is completed.
PRINT SUPPLIES STATUS	Generates a page that shows the number of pages remaining for each supply in the printer.
	The printer will return to the online READY state when the page is completed.
PRINT USAGE PAGE	Generates a page that contains information that could be used for cost accounting. This item is only available if a hard disk is installed.
	The printer will return to the online READY state when the page is completed.
PRINT FILE DIRECTORY	Generates a directory page containing information for all installed mass storage devices.
	The printer will return to the online READY state when the page is completed.
PRINT PCL FONT LIST	Generates a typeface list of all PCL fonts available on the printer.
	The printer will return to the online READY state when the page is completed.
PRINT PS FONT LIST	Generates a typeface list of all PS fonts available on the printer.
	The printer will return to the online READY state when the page is completed.

Paper handling menu

When paper handling settings are correctly configured through the control panel, you can print by choosing the type and size of paper from the printer driver or software application. For more information, see "Printing by type and size of paper" on page 57.

Some items in this menu (such as duplex and manual feed) are accessible from a software application, or from the printer driver (if the appropriate driver is installed). Printer driver and software application settings override control panel settings. For more information, see "Using features in the printer driver" on page 51.

Item	Values	Explanation
TRAY 1 MODE=FIRST	FIRST CASSETTE	FIRST: Allows the user to specify if media in the tray should be used. CASSETTE: If set to CASSETTE, the tray must be configured with a size and type, and functions like all other trays.
TRAY <N> SIZE=LETTER		Allows the user to set the paper size for Tray 2, 3, and optional Tray 4 (if installed) when the custom switch is in the CUSTOM position. Size is detected if the switch is in the STANDARD position. Substitute the tray number for <N>.
TRAY <N> TYPE=PLAIN		Allows the user to specify the type of media in each tray. Substitute the tray number for <N>.

Item	Values	Explanation
FUSER MODES	AUTO NORMAL LOW HIGH1 HIGH2 SPECIAL	Configure the fuser mode associated with each paper type. The fuser mode can only be changed from this menu option in the control panel. AUTO: Utilizes the optimum mode for that media type. NORMAL: Normal temperature, prints at 50 pages per minute (ppm). LOW: Low temperature, prints at 50 ppm. HIGH1: Raises the temperature, prints at 50 ppm. HIGH2: Raises the temperature, prints at 32 ppm. SPECIAL: Mode to print at normal speeds with a 40-second delay added to the beginning of the next job. After each 400 pages are printed, the first page of that job is printed at a slower speed in order to clean the fuser. No defects should be noticeable on the printed page. This is not a preferred setting. The default value for each paper type is AUTO. For a complete list of supported paper types, see the *introduce* guide on the product CD, or go to www.hp.com/cposupport/. **CAUTION** If you change the fuser mode to HIGH1 or HIGH2, be sure to change it back to the default when you are done printing. Setting a paper type to HIGH1 or HIGH2 might shorten the life of some consumables, such as the fuser, and might cause other failures or jams.

Configure device menu

This menu contains all administrative functions.

Printing submenu

Some items in this menu are available from a software application, or from the printer driver (if the appropriate driver is installed). Printer driver and program settings override control panel settings. For more information, see "Using features in the printer driver" on page 51.

Item	Values	Explanation
COPIES=1	1 to 32,000	Set the default number of copies by selecting any number from 1 to 32,000. Use the numeric keypad to select the number of copies. **Note** It is best to set the number of copies from the printer driver or software application. (Driver and software settings override control panel settings.)
DEFAULT PAPER SIZE= LETTER	ANY LETTER LEGAL A4 EXECUTIVE 11X17 A3 JISB4 JISB5 CUSTOM A5	Set the default image size for paper and envelopes. (The item name will change from paper to envelope as you scroll through the available sizes.)

Item	Values	Explanation
DEFAULT CUSTOM PAPER SIZE	UNIT OF MEASURE X DIMENSION Y DIMENSION	Allows the user to set a custom paper size for any of the installed trays. Substitute the tray number for <N>. This menu only appears when the selected tray custom switch is in the custom size position. The user selects the X and Y dimensions of the custom paper size using the ruler labels in the trays.
PAPER DESTINATION= STANDARD OUTPUT BIN	STANDARD OUTPUT FACE UP OPTIONAL BIN	Allows the user to configure the output paper bin destination. Only installed optional bins will appear on the menu.
PAPER DESTINATION= FACE DOWN BIN	FACE UP BIN FACE DOWN BIN BOOKLET BIN	Indicates where the copies are delivered to the output device. You can choose the booklet bin only if the multifunction finisher is attached.
DUPLEX=OFF	OFF ON	This item appears only when an optional duplex printing accessory is installed. Set the value to ON to print on both sides (duplex) or OFF to print on one side (simplex) of a sheet of paper. For more information, see the *introduce* guide on the product CD, or go to www.hp.com/cposupport/.
BINDING=LONG EDGE	LONG EDGE SHORT EDGE	Allows the user to change the binding edge for duplex printing. The menu item is displayed when a duplex printing accessory is installed in the printer and DUPLEX=ON.
OVERRIDE A4/LETTER= NO	YES NO	This command is used to print on letter-size paper when an A4 job is sent, but no A4-size paper is loaded in the printer (or to print on A4-size paper when a letter job is sent, but no letter paper is loaded in the printer).

Configure device menu

Item	Values	Explanation
`MANUAL FEED=OFF`	`OFF` `ON`	Feed the paper manually from optional Tray 1, rather than automatically from a tray. When `MANUAL FEED=ON` and optional Tray 1 is empty, the printer goes offline when it receives a print job. It then displays `MANUALLY FEED [PAPER SIZE]`. For more information, see "Manually feeding paper from optional Tray 1" on page 56.
`EDGE TO EDGE` `OVERRIDE=OFF`	`OFF` `ON`	Turns the edge-to-edge mode on or off for all print jobs. This mode can be overridden inside a print job by an edge-to-edge PJL variable.
`COURIER FONT=REGULAR`	`REGULAR` `DARK`	Select the version of Courier font to use: `REGULAR`: The internal Courier font available on the HP LaserJet 4 Series printers. `DARK`: The internal Courier font available on the HP LaserJet III Series printers. Both fonts are not available at the same time.
`WIDE A4=NO`	`YES` `NO`	The Wide A4 setting changes the number of characters that can be printed on a single line of A4 paper. `YES`: Up to 80 10-pitch characters can be printed on one line. `NO`: Up to 78 10-pitch characters can be printed on one line.
`PRINT PS ERRORS=OFF`	`ON` `OFF`	Select `ON` to print the PS error page when PS errors occur.

Item	Values	Explanation
FORM LENGTH	60	Sets vertical spacing from 5 to 128 lines for default paper size. Enter the value using the numeric keypad.
ORIENTATION	PORTRAIT	Allows the user to select default page orientation. **Note** It is best to set the page orientation from the printer driver or software application. (Driver and software settings override control panel settings.)
FONT SOURCE	INTERNAL	INTERNAL: Internal fonts. SOFT: Permanent soft fonts. SLOT 1, 2, or 3: Fonts stored in one of the three DIMM slots.
FONT NUMBER	0-999	The printer assigns a number to each font and lists them on the PCL Font List (See "PCL or PS font list" on page 159). The font number appears in the Font # column of the printout.
FONT PITCH=10.00	0.44 to 99.99	Using the numeric keypad or ▲ and ▼, enter a value. This item might not appear, depending on the font selected.
FONT POINT SIZE=12.00	4.00 to 999.75	Using the numeric keypad or ▲ and ▼, enter a value. This item might not appear, depending on the font selected.
SYMBOL SET=PC-8	PC-8	Select any one of several available symbol sets from the printer control panel. A symbol set is a unique grouping of all the characters in a font. PC-8 or PC-850 is recommended for line draw characters.

Item	Values	Explanation
`APPEND CR TO LF=NO`	`YES` `NO`	Select `YES` to append a carriage return to each line feed encountered in backward-compatible PCL jobs (pure text, no job control). Some environments, such as UNIX, indicate a new line using only the line feed control code. This option allows the user to append the required carriage return to each line feed.

Item	Values	Explanation

`STAPLES=NONE`	Values vary depending on the output device attached	If stapling is requested, indicates where the staple is placed and how many staples are placed.
		
		If a stacker is attached to the printer, stapling is not an option.
		
		If a stapler/stacker is attached, you can choose the following values:
		
		`NONE`
		
		`ONE` (upper-left corner)
		
		`ANGLED` (upper-left corner)
		
		`TWO`
		
		`THREE`
		
		`SIX`
		
		`CUSTOM` (only if the stapler/stacker has a definition for "custom")
		
		Note Because of paper size, paper orientation, and paper feed direction, you should experiment with staple options to find the results you want.
		
		If a multifunction finisher is attached, you can choose the following values:
		
		`NONE`
		
		`ONE`
		
		`TWO`
		
		`SADDLE STITCH`

Print quality submenu

Some items in this menu are accessible from a software application, or from the printer driver (if the appropriate driver is installed). Printer driver and software application settings override control panel settings. For more information, see "Using features in the printer driver" on page 51.

Item	Values	Explanation
SET REGISTRATION		Shift the margin alignment to center the image on the page from top to bottom, and left to right. You can also align the image on the front, with the image printed on the back.
RESOLUTION= FASTRES 1200	300 600 FASTRES 1200	Select the resolution from the values listed below: 300: Produces draft print quality at maximum printer speed (50 ppm). 300 dpi (dots per inch) is recommended for some bitmapped fonts and graphics, and for compatibility with the HP LaserJet III family of printers. 600: Produces high print quality at maximum printer speed (50 ppm). FASTRES 1200: Produces optimum print quality (comparable to 1,200 dpi) at maximum printer speed (50 ppm). **Note** It is best to change the resolution from the printer driver or software application. (Driver and software settings override control panel settings.)
RET=MEDIUM	OFF LIGHT MEDIUM DARK	Use printer Resolution Enhancement technology (REt) setting to produce print with smooth angles, curves, and edges. All print resolutions, including FastRes 1,200, benefit from REt. **Note** It is best to change the REt setting from the printer driver or software application. (Driver and software settings override control panel settings.)

Item	Values	Explanation
ECONOMODE=OFF	OFF ON	Turn EconoMode on (to save toner) or off (for high quality). EconoMode is designed to give print output at a very low cost. EconoMode will work only with genuine HP print cartridges. **Note** It is best to turn EconoMode on or off from the control panel (Control panel settings override driver and software settings).
TONER DENSITY=3	1 to 5	Lighten or darken the print on the page by changing the toner density setting. The settings range from 1 (light) to 5 (dark), but the default setting of 3 usually produces the best results. **Note** It is best to change the toner density from the printer driver or software application. (Driver and software settings override control panel settings.)
SMALL PAPER MODE	No value to select.	When printing narrow media the part of the fuser rollers that do not make contact with the media swell up and can cause wrinkles.
CREATE CLEANING PAGE	No value to select.	Press ✓ to print a cleaning page (for cleaning excess toner from the paper path). In order for the cleaning page to work properly, print the page on copier grade paper (not bond or rough paper). Follow the instructions on the cleaning page. The progress bar shows how long before the process is complete.
PROCESS CLEANING PAGE	No value to select.	This item appears only after a cleaning page has been generated (as described above). Press ✓ to process the cleaning page. The progress bar shows how long until the process is complete.

Configure device menu

System setup submenu

Items in this menu affect the printer function. Configure the printer according to your printing needs.

Item	Values	Explanation
JOB STORAGE LIMIT=32	1 to 100	Specifies the number of jobs that can be stored on the printer hard disk accessory.
JOB HELD TIMEOUT= OFF	OFF 1 HOUR 4 HOURS 1 DAY 1 WEEK	Sets the amount of time that quick copy, proof and hold, private, and stored jobs are kept before being automatically deleted from the queue.
POWERSAVE TIME=1 HOUR	1 MINUTE 15 MINUTES 30 MINUTES 1 HOUR 2 HOURS 4 HOURS	Set how long the printer remains idle before it enters PowerSave mode: ● Minimizes the amount of power consumed by the printer when it is idle. ● Reduces wear on the printer electronic components (Turns off the display backlight). ● When you send a print job, press a control panel key, open a paper tray, or open the top cover, the printer automatically exits PowerSave mode. **Note** PowerSave turns off the backlight on the display, but the display is still readable.
PERSONALITY=AUTO	AUTO PCL POSTSCRIPT	Select the default printer language (personality). Possible values are determined by which valid languages are installed in the printer. Normally you should not change the printer language (the default is AUTO). If you change it to a specific printer language, the printer does not automatically switch from one language to another unless specific software commands are sent to the printer.

Item	Values	Explanation
CLEARABLE WARNINGS= JOB	ON JOB	Set the amount of time that a clearable warning is displayed on the printer control panel. ON: Warning messages display on the control panel until ✓ is pressed. JOB: Warning messages display on the control panel until the end of the job from which they were generated.
AUTO CONTINUE=ON	ON OFF	Determine how the printer reacts to errors. ON: If an error prevents printing, the message is displayed, and the printer goes offline for 10 seconds before returning online. OFF: If an error prevents printing, the message remains on the display, and the printer does not print until ✓ is pressed. **Note** To stop printing when out of staples (when a stapler accessory is installed), set AUTO CONTINUE=OFF in the control panel **System setup** menu.
CARTRIDGE LOW= CONTINUE	CONTINUE STOP	Determine how the printer functions when toner is low. The CARTRIDGE LOW message first appears when the print cartridge is almost out of toner. (About 2,400 pages can still be printed at five percent coverage.) CONTINUE: The printer continues to print while the CARTRIDGE LOW message is displayed. STOP: The printer goes offline and wait for further action. For more information, see "Managing the print cartridge" on page 76.

Item	Values	Explanation
JAM RECOVERY= AUTO	AUTO ON OFF	Determine how the printer functions when a jam occurs. AUTO: The printer automatically selects the best mode for printer jam recovery (usually ON). This is the default setting. ON: The printer automatically reprints pages after a paper jam is cleared. OFF: The printer does not reprint pages following a paper jam. Printing performance might be increased with this setting.
RAM DISK=AUTO	AUTO OFF	This item determines how the RAM disk is configured. This item appears only if there is no optional hard disk installed, and the printer has at least 8 megabytes (MB) of memory. OFF**:** The RAM disk is disabled. **Note** If the setting is changed from OFF to AUTO, the printer automatically reinitializes when it becomes idle.
LANGUAGE=ENGLISH		Includes all languages in the list. When scrolling through the language values, LANGUAGE= should be updated so it is presented in the highlighted language.

I/O submenu

Items in the **I/O** (input/output) menu affect the communication between the printer and the computer.

I/O timeout submenu

Item	Values	Explanation
I/O TIMEOUT=15	5 to 300	Select the **I/O** timeout period in seconds. (**I/O** timeout refers to the time, measured in seconds, that the printer waits before ending a print job.)
		This setting allows you to adjust timeout for best performance. If data from other ports appear in the middle of your print job, increase the timeout value.

Parallel input submenu

Item	Values	Explanation
HIGH SPEED	YES NO	The printer accepts faster parallel communications used for connections with newer computers.
ADVANCED FUNCTIONS=ON	ON OFF	Turn the bidirectional parallel communication on or off. The default is set for a bidirectional parallel port (IEEE-1284).
		This setting allows the printer to send status readback messages to the computer. (Turning the parallel advanced functions on might slow language switching.)

EIO submenu

The EIO (enhanced input/output) submenu appears only when an EIO device is installed in an EIO slot on the printer (such as an HP Jetdirect print server). The items in the menu depend on the particular accessory product installed. If the printer contains an HP Jetdirect print server EIO card, you can configure basic networking parameters using the EIO menu. These and other parameters can also be configured through HP Web JetAdmin or other network configuration tools (such as Telnet or browsing the embedded Web server).

Item	Options	Values	Explanation
TCP/IP	ENABLE	ON OFF	Selects whether the TCP/IP protocol is enabled (ON) or disabled (OFF).
	CONFIG METHOD	BOOTP DHCP MANUAL	Selects whether the TCP/IP configuration parameters are set automatically from a network server either using BootP (Bootstrap Protocol), DHCP (Dynamic Host Configuration Protocol), or manually from the **EIO** submenu.
	MANUAL SETTINGS		Provides access to parameters that can manually configured from the printer control panel. For manual configuration, CONFIG METHOD must be set to MANUAL.
		IP ADDRESS n.n.n.n	The unique IP address of the printer, where n is a value from 0 to 255.
		SUBNET MASK m.m.m.m	The subnet mask for the printer, where m is a value from 0 to 255. The mask is applied to IP addresses to uniquely identify subnetworks and nodes.
		SYSLOG SERVER n.n.n.n	The IP address of the syslog server used to receive and log syslog messages.
		DEFAULT GATEWAY n.n.n.n	The IP address of the gateway or router used for communications with other networks.
		IDLE TIMEOUT xx	The timeout value (in seconds) after an idle TCP print data connection is automatically closed. The default value is 270 seconds. 0 disables the timeout.

Item	Options	Values	Explanation
IPX/SPX	ENABLE	ON OFF	Selects whether the IPX/SPX protocol stack is enabled (ON) or disabled (OFF).
	FRAME TYPE	AUTO EN_8023 EN_II EN_8022 EN_SNAP TR_8022 TR_SNAP	Selects the frame type setting for your network AUTO (default) automatically sets and limits the frame type to the first one detected. For an Ethernet network only, frame type selections include EN_8023, EN_II, EN_8022, and EN_SNAP. For a Token Ring network only, frame type selections include TR_8022 and TR_SNAP.
	SOURCE ROUTING	AUTO OFF ALL ROUTES SINGLE ROUTE	For a Token Ring network only, specify the NetWare Token Ring Source Routing parameter. AUTO (default): The type of source routing required on the network is automatically sensed. OFF: All packets are sent without source routing, and only packets from the same ring are received. ALL ROUTES and SINGLE ROUTES: All packets are sent with source routing (broadcasts and when the route is unknown).
APPLETALK	ENABLE	ON OFF	For an Ethernet network only, selects whether the AppleTalk protocol is enabled (ON) or disabled (OFF).
DLC/LLC	ENABLE	ON OFF	Selects whether the DLC/LLC protocol stack is enabled (ON) or disabled (OFF).

Item	Options	Values	Explanation
LINK SPEED		AUTO 10T HALF 10T FULL 100TX HALF 100TX FULL	For an Ethernet network only, sets the network link speed and communication mode of the HP Jetdirect 10/100TX print server. The default setting is AUTO, where the printer automatically configures itself to match the network link speed (10 or 100 Mbps) and communication mode (half or full duplex).

Configure device menu

Diagnostics submenu

Administrators can use this submenu to isolate parts, and to troubleshoot jam and print quality issues.

Item	Values	Explanation
PRINT EVENT LOG		Generates a localized LIFO (last in, first out) list of the 50 most recent entries in the error log. The printed event log shows error number, page count, error code, and description or personality.
SHOW EVENT LOG		Allows the user to scroll through the contents of the event log from the control panel, and shows the 50 most recent events. Use ▲ and ▼ to scroll through the event log contents.
SET PAPER PATH TEST		Generates a test page that is useful for testing the paper handling features of the printer.
SERVICE TEST		Engine tests access portions of the printer internal diagnostics that occur when the printer is turned on. These diagnostics are available as tools to help isolate problems that are not reported by the firmware.

Resets submenu

Note   Use this menu with caution. You can lose buffered page data or printer configuration settings when you select these items. Reset the printer only under the following circumstances:

- You want to restore the printer default settings.

- Communication between the printer and computer has been interrupted.

- You are having problems with a port.

The items in the **Resets** submenu will clear all memory in the printer, while CANCEL JOB clears only the current job.

Item	Explanation
RESTORE FACTORY SETTINGS	This item performs a simple reset and restores most of the factory (default) settings. This item also clears the input buffer for the active I/O. Resetting memory during a print job can result in data loss. This item does not affect network settings stored on the HP Jetdirect print server (if installed).
CLEAR MAINTENANCE MESSAGE	This item appears only after the PERFORM PRINTER MAINTENANCE message displays. OFF: The PERFORM PRINTER MAINTENANCE message will be cleared. If you do not replace the printer maintenance kit, the PERFORM PRINTER MAINTENANCE message will be displayed again after approximately 17,500 pages. The message should not be turned off unless the necessary printer maintenance has been performed. If the required maintenance is not performed, printer performance will degrade. For more information, see "Printer maintenance" on page 75.
POWERSAVE	This item allows the user to turn POWERSAVE ON and OFF. If POWERSAVE is OFF, the printer will never enter PowerSave mode and no asterisk will appear next to any item when the user enters the POWERSAVE TIME menu item. Default value for POWERSAVE is ON.

Service menu

The **Service** menu is locked and requires a PIN to enter. A service professional may use this, but a user should have no need for access.

Item	Explanation
CLEAR EVENT LOG	This item allows the service representative to clear the printer internal error log.
TOTAL PAGE COUNT	The page count stored in NVRAM and displayed on the configuration page printout represents the number of pages, which the formatter has formatted (engine test prints are not included in this number). If it becomes necessary to repair a printer by installing a new controller PCA, the service representative must be able to set the page count so that it represents the age of the print engine rather the age of the controller PCA.
MAINTENANCE COUNT	This item allows a service representative to reset the page count if the value is lost for some reason. This will be set initially at the factory to 0. Users can enter any number up to value set for maintenance interval. This value will be reset to 0 if the user sets the menu item NEW MAINTENANCE KIT to YES in the **Resets** menu.
MAINTENANCE INTERVAL	This item allows a service representative to set the page count threshold when the next service is due for the printer. Initially, this will be set at the factory to a value applicable to each type of engine. Users can enter any number up to 350,000.
SERIAL NUMBER	This item allows the manufacturing facility to set the serial number of the formatter initially installed in the printer. Also, this number is updated accordingly if a service representative replaced a printer formatter board.
COLD RESET PAPER	The default paper size is stored in NVRAM, and when the printer is cold reset, the default paper size is set to the factory setting.