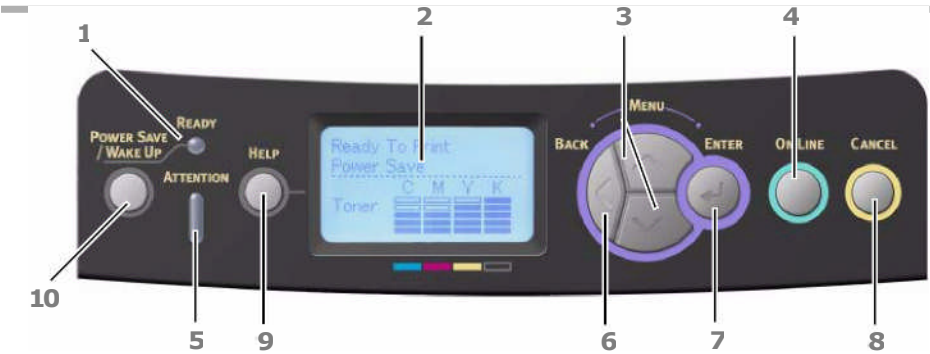


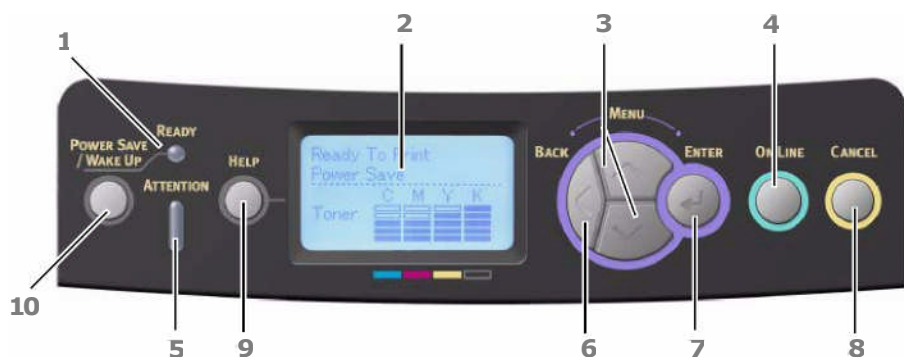
Menu Functions



This section lists the menus accessed via the controls on the printer’s operator panel and displayed in the LCD window.

Operator Panel:

1. Ready LED	ON: Ready to receive data. BLINKING: Processing data. OFF: Offline.	2. Display	Displays the printer status and any error messages.
3. Menu Scroll Buttons	Enters the Menu mode. In Menu mode, forwards or reverses the menu item displayed. Press for 2 secs. or longer to jump from top to bottom.	4. On Line Button	Switches between ONLINE and OFFLINE . Exits the menu and goes ONLINE when pressed in the Menu mode. Scrolls the HELP screen. Forces printing on the paper currently loaded when pressed with “WRONG PAPER” or “WRONG PAPER SIZE” displayed.



5. Attention LED	ON: A warning occurs. Printing may be possible (e.g low toner). BLINKING: An error occurs. Printing not possible (e.g. toner empty). OFF: Normal condition.	6. Back Button	Returns to the previous higher level menu item.
7. Enter Button	In the ONLINE or OFFLINE mode: enters the Menu mode. In the Menu mode: determines the setting selected.	8. Cancel Button	Deletes the data being printed or received when pressed for two seconds or longer. Deletes the data when pressed for two seconds or longer with WRONG PAPER SIZE, RUN OUT OF PAPER, TRAY 1 IS OPEN, or TRAY 1 IS NOT FOUND is displayed. Exits the menu and goes ONLINE when pressed in the Menu mode.
9. Help Button	Provides advice when an error such as incorrect paper size occurs	10. Power Save/ Wake Up Button	Pressing this button switches the machine into sleep or wake-up mode. Refer to "Power saving mode" on page 12.

How to Change the Settings: User_____

It should be noted that many of these settings can be, and often are, overridden by settings in the Windows or Wasatch printer drivers. However, several of the driver settings can be left at "Printer Setting", which will then default to the settings entered in these printer menus.

Where applicable, factory default settings are shown in bold type in the following tables.

In the normal operating condition, known as "standby," the printer's LCD window will show "Ready to Print". In this condition, to enter the menu system, press the up and down Menu buttons on the operator panel to move up and down through the list of menus until the menu you wish to view is displayed. Then proceed as follows:

1. Press **Enter** to enter the menu.
2. Use the **up** and **down** MENU buttons on the control panel to scroll through the menus. When the item you want to change is displayed, press **Enter** to view the sub-menus for that item.
3. Use the **up** and **down** MENU buttons to move up and down through the sub-menu items. When the item you want to change is displayed press Enter to display the setting.
4. Use the **up** and **down** MENU buttons to move up and down through the available settings for the sub-menu item. When the item you want to change is displayed press **Enter** to display the setting. An asterisk (*) will appear next to the setting, indicating that this setting is currently in effect.
5. Do one of the following:
 - Press **Back** again to move up to the list of menus;or...
 - Press **On Line** or **Cancel** to exit from the menu system and return to standby.

How to Change the Settings: Administrator

You can set whether to **ENABLE** or **DISABLE** each category in the user menu.

Disabled categories are not displayed in the User's menu. Only a system administrator can change these settings.

- 1.** Turn **OFF** the printer. Turn **ON** the printer while pressing the **Enter** button.
When **Boot Menu** appears, take your finger off the button.
- 2.** Press the **Enter** button.
- 3.** At the Enter Password prompt, enter the 4-9 digit Admin password:
 - (a) Using the up and down MENU buttons, scroll to the required letter/digit.
 - (b) Press the Enter button to input and move to the next letter/digit.
 - (c) Repeat steps (a) and (b) until all letters/digits are entered.

Enter your 4 to 9 digit password. (The default password is aaaaaa).
- 4.** Press the **Enter** button.
- 5.** Press the **up** or **down** MENU button until the "category" you want to change is displayed.
- 6.** Press the **Enter** button.
- 7.** Press the **up** or **down** MENU button until the "item" you want to change is displayed.
- 8.** Press the **Enter** button.
- 9.** Using the **up** or **down** MENU button, identify the parameter as required.
- 10.** Press the **Enter** button to enter an asterisk (*) on the right side of the setting selected.
- 11.** Press the **On Line** button to switch to online. The machine will automatically re-boot.

Menus ---

Configuration Menu

ITEM	ACTION	EXPLANATION
Tray Count	Tray1 Tray 2* Tray 3* MP Tray *Note: Only available when optional trays are present	Select an item to display the total number of pages printed from the relevant tray.
Supplies Life	Cyan Drum Magenta Drum Yellow Drum Black Drum Belt Fuser Cyan Toner Magenta Toner Yellow Toner Black Toner	Select item to display the percentage of a consumable remaining.
Network	Printer Name Short Printer Name IPv4 Address Gateway Address MAC Address Network FW version Web Remote version IPv6 Address (Local) IPv6 Address (Global) Remote version	Displays the full printer name. Displays an abbreviated version. Displays the IPv4 Address of the network. Displays the Gateway Address of the network. Displays the Mac Address of the printer. Displays the Network firmware revision. Displays the Web remote version. Displays the IPv6 Address (Local) of the network. ^a Displays the IPv6 Address (Global) of the network. ^a

ITEM	ACTION	EXPLANATION
System	Serial Number Asset Number Lot Number CU Version PU Version Total Memory Flash Memory SD Card Date and Time	Displays information for these items.

a. Display condition: IP Version is IP v4+v6 or IP v6.

Print Information Menu

This menu provides a quick method of listing various items stored within the printer.

ITEM	ACTION	EXPLANATION
Configuration	Execute	Select execute to print out a configuration report.
Network	Execute	Scroll down to this parameter and select execute to print out Network information.
Demo Page DEMO1	Execute	Scroll down to this parameter and select execute to print out a demonstration page.
File List	Execute	Scroll down to this parameter and select execute to print out a list of job files. (displayed only if FileSystem is installed).
PS font List	Execute	Scroll down to this parameter and select execute to print out a Postscript emulation typeface list.
PCL font List	Execute	Scroll down to this parameter and select execute to print out a PCL font list.
IBM PPR Font List	Execute	Scroll down to this parameter and select execute to print out an IBM PPR font list.

ITEM	ACTION	EXPLANATION
EPSON FX Font List	Execute	Scroll down to this parameter and select execute to print out an Epson FX emulation font list.
Usage Report	Execute	Scroll down to this parameter and select execute to print out a list of color and mono pages printed.
Error Log	Execute	Scroll down to this parameter and select execute to print out the error log.
Color Profile List	Execute	Scroll down to this parameter and select execute to print out a list of color profiles.

Shutdown Menu

This item should always be selected before switching the printer off, to ensure that no data is lost.

ITEM	SETTING	EXPLANATION
Shutdown Start	Execute	Performs controlled shutdown of the printer. Only power the printer off when the display indicates that shutdown is complete.

Print Secure Job Menu

Note:

This menu only displays if the optional SD card is installed or on a C610hdn with a hard disk drive installed.

ITEM	ACTION	EXPLANATION
Encrypted Job	Not Found Print Delete	<p>Used for printing an encrypted authentication print job (Encrypted Job) stored in the SD card. After inputting a password, "Searching Job" is displayed until a job appropriate for the password is found.</p> <p>(Searching time increases in proportion to the number of jobs stored in the SD card, and the printer may take up to 20 sec.)</p> <p>The search can be cancelled by holding down the Cancel button.</p> <p>Not Found will be displayed where a file, which could be printed is not available.</p> <p>The following message will appear if a printable file is available.</p> <p>Encrypted Job</p> <p>Print</p> <p>Delete</p> <p>A set of all jobs will be printed if Print is selected and the Enter button is pressed.</p> <p>The following message will appear if Delete is selected:</p> <p>Are You Sure? Yes / No</p> <p>The display will return to the source menu if No is selected.</p> <p>All jobs will be deleted if Yes is selected.</p> <p>Print jobs with encrypted authentication stored in the SD card are deleted by a delete method specified by the driver after printing or a delete instruction from the menu.</p>

ITEM	ACTION	EXPLANATION
Stored Job	Not Found Print Delete	<p>Used to print out a stored job in the SD card.</p> <p>Not Found will be displayed where a file, which could be printed is not available.</p> <p>The following message will appear if a printable file is available.</p> <p>Stored Job</p> <p>Print</p> <p>Delete</p> <p>When Print is selected, Set Collating Amount is displayed and the number of pages to print can be specified.</p> <p>Specify the number of pages to print and press the Enter button.</p> <p>The following message will appear if Delete is selected:</p> <p>Are You Sure? Yes / No</p> <p>If No is selected, the display will return to the previous menu.</p> <p>If Yes is selected, all jobs will be deleted.</p>

Menus Menu

ITEM	ACTION	EXPLANATION
Tray Configuration	Paper feed Default: Tray 1	Select tray. Select by scroll and Enter button.
	Auto Tray Switch Default: On	Switches Auto ON/OFF. Select by scroll and Enter button.
	Tray Sequence Default: Down	Selects Tray sequence Down/Up/Paper feed Tray . Select by scroll and Enter button.
	Unit of Measurement Default: inches	Selects UOM inches or millimeter. Select by scroll and Enter button.
	Tray1 Config Default:	Configure Paper Size/Media Type/Media Weight . Select by scroll and Enter button.
	<i>Paper Size:</i> C61 0 A4/A5/A6/B5/Legal 14/ Legal13.5/Legal13/ Letter /Executive/Custom C 7 1 1 Cassette /Custom <i>Media Type:</i> Plain / Letterhead/Bond/ Recycled/Card Stock/ Rough/Glossy/ *USER TYPE 1-5 <i>Media Weight:</i> Light / Medium Light/Medium/ Heavy/Ultra Heavy1/ Ultra Heavy2	*USER TYPE 1 to 5 are displayed only if registered in the host PC.

ITEM	ACTION	EXPLANATION
Tray Configuration (cont.)	MP Tray Config Paper Size: <ul style="list-style-type: none"> • A4/A5/A6/B5 • Legal14/Legal 13.5/ Legal13 • Letter • Executive • Custom • Com-9 Envelope • Com-10 Envelope • Monarch Envelope • DL Envelope • C5 • Index Card 	Configure Paper Size/Media Type/Media Weight/Tray Usage . Select by scroll and Enter button.
	Media Type: <ul style="list-style-type: none"> • Plain • Letterhead • Film • Labels • Bond • Recycled • Card Stock • Rough • Glossy • USERTYPE 1-5 	USERTYPE 1 to 5 are displayed only if registered in the host PC. Paper weight 189 ~ 250 g/m ²
	Media Weight: <ul style="list-style-type: none"> • Light • Medium Light • Medium • Heavy • Ultra Heavy1 • Ultra Heavy 2 • Ultra Heavy 3 	
	Tray usage: <ul style="list-style-type: none"> • When Mismatching • Do Not Use 	Sets MPTray usage. When Mismatching: if paper mismatch occurs, paper is requested from the MPTray instead of the specified tray. Do Not Use: sets MPTray unavailable both in Auto Tray Select and Auto Tray Switch.

ITEM	ACTION	EXPLANATION
	Tray 2 Config Tray 3 Config	Note: only present if option installed
System Adjust	Power Save Time Default: 30	Select from 1/2/3/4/5/10/15/30/60/120/180 Minutes . Select by scroll and Enter button.
	Sleep Time Default: 10	Select from 1/2/3/4/5/10/15/30/60/120/180 Minutes . Select by scroll and Enter button.
	Clearable Warning Default: ONLINE	Select from: ONLINE/Job . Select by scroll and Enter button. PS job only.
	Auto Continue Default: Off	Select from On/Off . Select by scroll and Enter button.
	Manual Timeout Default: 60	Select from Off/30 seconds/60 seconds . Select by scroll and Enter button.
	Wait Timeout Default: 40	Select from Off/5/10/20/30/40/50/60/90/120/150/180/210/240/270/300 seconds . Select by scroll and Enter button.
	Low Toner Default: Continue	Select action to take when toner sensor indicates low toner. Select from Continue/Stop . Select by scroll and Enter button.
	Jam Recovery Default: On	Select from On/Off . Select by scroll and Enter button.
	Error Report Default: Off	Select from On/Off . Select by scroll and Enter button.
	Print Position Adjust Default: 0.00	Select from X Adjust/Y Adjust/Duplex X Adjust/Duplex Y adjust . Select by scroll and Enter button. Define measurement.

ITEM	ACTION	EXPLANATION
System Adjust (cont.)	Paper Black Setting -2/-1/0/+1/+2 Default: 0	Used for fine adjustment of the black print on paper.
	Paper color Setting -2/-1/0/+1/+2 Default: 0	Used for fine adjustment of the color print on paper.
	Film Black Setting -2/-1/0/+1/+2 Default: 0	Used for fine adjustment of the black print on film.
	Film Color Setting -2/-1/0/+1/+2 Default: 0	Used for fine adjustment of the color print on film.
	SMR Setting +3/+2/+1/0/-1/-2/-3 Default: 0	To correct variations in print results caused by temperature/humidity conditions and difference in print density/frequency. Change the setting when print quality is uneven.
	BG Setting + 3/+2/+ 1/0/- 1/-2/-3 Default: 0	To correct variations in print results caused by temperature/humidity conditions and difference in print density/frequency. Change the setting when background is dark.
	Drum Cleaning Default: Off	Sets whether to rotate the drum in idle prior to printing in order to reduce horizontal white lines. This will shorten the ID life by as much as this rotation. Select by scroll and Enter button.
	Hex Dump Execute	Prints out data received from the host PC in the hexadecimal Dump. Turning off the power supply switch restores Normal Mode.

Admin Setup

ITEM		SETTINGS	EXPLANATION
Enter Password		xxxxxxxxxxxx	Enter a password to gain entry to the Admin Setup menu. Password should be from 6 to 12 digits of alpha/numeric characters (or mix) The default value is "aaaaaa"
Network Setup	TCP/IP	Enable Disable	Sets TCP/IP Protocol. Enable: TCP/IP Protocol is available. Disable: TCP/IP Protocol is not available.
	IP Version	IP v4 IP v4+v6 IP v6	Sets up the IP version. Operates with IPv4 for IPv4 (not valid with IPv6). Operates with both IPv4 and IPv6 for IPv4+v6. Operates with IPv6 for IPv6 (not valid with IPv4). There is only IPv4 and IPv4+v6 as normal value. From this stage, if IPv6 only is set from UI, for example Telnet, "IPv6" appears as the value of IP Version on the operation panel. "IPv6" will disappear from the value if "IP v4" or "IP v4+v6" is selected. Display Condition: TCP/IP should be enabled.
	NetBEUI	Enable Disable	Sets Enable/Disable of NETBEUI Protocol.
	NetBIOS over TCP	Enable Disable	Sets Enable/Disable of NetBIOS over TCP protocol. Display Conditions: <ul style="list-style-type: none"> TCP/IP should be enabled. IP Version is not IPv6.

ITEM		SETTINGS	EXPLANATION
Network Setup (cont.)	NetWare	Enable Disable	Sets Enable/Disable of NetWare Protocol.
	EtherTalk	Enable Disable	Sets Enable/Disable of EtherTalk Protocol.
	Frame Type	Auto 802.2 802.3 Ethernet II SNAP	Sets the frame type. Display Condition: Netware should be enabled.
	IP Address Set	Auto Manual	Sets the IP Address setting method. Display Conditions: <ul style="list-style-type: none"> • TCP/IP should be enabled. • IP Version is not IPv6.
	IPv4 Address	xxx.xxx.xxx.xxx	Sets the IPv4 Address. Display Conditions: <ul style="list-style-type: none"> • TCP/IP should be enabled. • IP Version is not IPv6.
	Subnet Mask	xxx.xxx.xxx.xxx	Sets the Subnet Mask. Display Conditions: <ul style="list-style-type: none"> • TCP/IP should be enabled. • IP Version is not IPv6.
	Gateway Address	xxx.xxx.xxx.xxx	Sets the Gateway (default router) address. "0.0.0.0" means that there is no router. Display Conditions: <ul style="list-style-type: none"> • TCP/IP should be enabled. • IP Version is not IPv6.
	Web	Enable Disable	Sets Enable/Disable of Web. Enable: Web/IPP is available. Disable: Web/IPP is not available. Display Condition: TCP/IP should be enabled.

ITEM		SETTINGS	EXPLANATION
Network Setup (cont.)	Telnet	Enable Disable	Sets Enable/Disable of Telnet. Enable: Telnet is available. Disable: Telnet is not available. Display Condition: TCP/IP should be enabled.
	FTP	Enable Disable	Sets Enable/Disable of FTP. Enable: FTP is available. Disable: FTP is not available. Display Condition: TCP/IP should be enabled.
	IPSec	Enable Disable	Sets Enable/Disable of IPSec. Enable via the web. Enable: IPSec is available. Disable: IPSec is not available.
	SNMP	Enable Disable	Sets Enable/Disable of SNMP. Enable: SNMP is available. Disable: SNMP is not available. Display Condition: TCP/IP or NetWare should be enabled.
	Network Scale	Normal Small	When Normal is selected, the network can work effectively even when it is connected to a HUB that has a spanning tree feature. However, printer start up time gets longer when computers are connected with two or three small LANs. When Small is selected, computers can cover from two or three small LANs to a large LAN, but may not work effectively when the network is connected to a HUB with a spanning tree feature.
	Hub Link Setting	Auto Negotiate 100Base-TX Full 100Base-TX Half 10Base-T Full 10Base-T Half	Sets a method to link to a HUB. When Auto is set, a connection method to a HUB is selected automatically and attempts to connect. If another method is selected, attempts to connect to a HUB only by the selected connection method.

ITEM		SETTINGS	EXPLANATION
Network Setup (cont.)	Factory Defaults?	Execute	Specifies whether to initialize the network factory default settings for the Network.
Print Setup	Personality	Auto PostScript PCL XPS IBM PPR EPSON FX	Selects a printer language.
	Copies	1 - 999	Selects the number of copies. This setting is disabled for Local Print except for Demo Page.
	Duplex	On/ Off	Specifies Duplex print (option) if a Duplex unit is installed and enabled
	Binding	Long Edge Short Edge	Specifies Binding in duplex printing. Display Condition: a duplex unit is installed and enabled. Refer to "Duplex", above.
	Media Check	Enable Disable	Sets whether the printer checks the matching of printed data size and that of the tray. Only standard sizes are checked.
	Resolution	600dpi 600x1200dpi 600dpi multi-level.	Sets default resolution.

ITEM		SETTINGS	EXPLANATION
Print Setup (cont.)	Toner Save Mode	On/ Off	<p>This function works effectively only if the data input is color RGB data. This setting is valid in PS and PCL, but does not take effect in the following cases.</p> <p>(1) PS: If Color Matching is set OFF.</p> <p>(2) PS: If any setting other than ASIC Color Matching is set.</p> <p>(3) PS: CMYK data when Ink Simulation Mode is used (valid in any other cases except Case (1) and Case (2) above as long as data is RGB).</p> <p>(4) PCL binary data (Color/Monochrome).</p>
	Mono-Print Speed	Auto Color Speed Normal Speed	<p>Sets the monochrome print speed. Prints at the most appropriate speed for page process if Auto is set.</p> <p>Prints always at the color print speed if Color is set.</p> <p>Prints always at the monochrome print speed if Normal is set.</p>
	Default Orientation	Portrait Landscape	<p>Specifies print orientation.</p> <p>Not valid for PS (valid only for PCL/ IBMPPR/EPSONFX/ HP-GL2).</p>
	Form Length	5 lines ~ 64 lines ~ 128 lines	<p>Sets the number of lines that can be printed on a page</p> <p>Not valid for PS (valid only for PCL/HP-GL2).</p> <p>Default values listed to the left are for Letter/A4. In practice, however, they change according to the size of paper loaded in the tray.</p>

ITEM		SETTINGS	EXPLANATION
Print Setup (cont.)	Edit Size	Cassette Size/ A4/A5/A6/B5/ Legal 14/ Legal13.5/ Legal13/Letter/ Executive/ Custom/Com-9 Envelope/Com- 10 Envelope/ Monarch Envelope/DL Envelope/C5/ Index Card	Sets the size of an area to draw when the host PC does not specify the size via the paper edit size designating command (Not valid for PS — only for PCL).
	Trapping	Off Narrow Wide	Sets trapping.
	X Dimension	64 mm ~ 210 mm ~ 216 mm	Specifies paper width of Custom paper as a default value. Sets a paper size at right angles to the paper run direction.
	Y Dimension	127 mm ~ 297 mm ~ 1321 mm	Specifies paper length of Custom paper as a default value. Sets a paper size in the same direction as the paper run direction.
PS Setup	Network Protocol	ASCII/ RAW	Specifies PS communication protocol mode of data from NIC port. (In RAW mode, Ctrl-T is invalid). PS models only.

ITEM		SETTINGS	EXPLANATION
PS Setup (cont.)	USB Protocol	ASCII/ RAW	Specifies PS communication protocol mode of data from USB port. (In RAW mode, Ctrl-T is invalid). PS models only.
PCL Setup	Font Source	Resident	Specifies the location of PCL default font.
	Font Number	10 ~ 190	Sets the PCL font number. The valid range of this variable changes depending on the FONT SOURCE setting at the time. If the default font is set for FONT SOURCE, the number starts at 0. If it is not, the number starts at 1. The maximum value is equal to the number of fonts installed in FONT SOURCE.
	Font Pitch	0.44 CPI ~ 10.00 CPI ~ 99.99 CPI	Width of the PCL default font in characters per inch (CPI). Default font is fixed-pitch, scalable font. The value of pitch is displayed down to the second decimal place. Displayed only when the font selected in Font No. is a fixed-spacing, scalable font.
	Font Height	4.00 point ~ 12.00 point ~ 999.75 point	Height of the PCL default font. The value is displayed down to the second decimal place (in 0.25 point increments). Displayed only when the font selected in Font Number is a proportional-spacing, scalable font.
	Symbol Set	PC-8	Sets the symbol set of PCL (see machine operator panel for complete list).

ITEM		SETTINGS	EXPLANATION
PCL Setup (cont.)	A4 Print Width	78 column 80 column	<p>Sets the number of characters for A4 paper.</p> <p>Auto LF.</p> <p>This is for 10-CPI characters when Auto CR/LF Mode is set to OFF.</p> <p>This menu is enabled only when A4 paper is selected in the menu that sets the print width of A4 paper in portrait orientation.</p> <p>Usually, such A4 paper print width is set slightly narrower than 8 inches (about 7.93 inches).</p> <p>This setting cannot print 80 10-cpi characters (only prints up to 78 10-cpi characters). 80 characters set at A4 Print Width widen the right and left margins.</p> <p>A PCL command selects or selects/deselects Auto CR/LF mode.</p>

ITEM		SETTINGS	EXPLANATION
PCL Setup (cont.)	White Page Skip	On/ Off	Sets whether to eject a page without any data to print (blank page) upon reception of FF command (OCH) in PCL Mode. OFF: Ejecting.
	CR Function	CR /CR+LF	Sets action when CR code is received in PCL. CR: Carriage Return CR+LF: Carriage Return and Line Feed
	LF Function	LF /LF+CR	Sets action when LF code is received in PCL. LF: Line Feed LF+CR: Line Feed and Carriage Return
	Print Margin	Normal 1/5 inch 1/6 inch	Sets a non-printable area of paper. The width of the area along the right and left sides of paper (left and right sides depend on paper orientation). NORMAL: PCL emulation compatible, approximately 1/4~1/4.3INCH (depending on paper) is outside the printable area.
	True Black	On/ Off	Sets whether to use Composite Black (CMYK mixed) or Pure Black (K only) for the black (100%) in image data. OFF: Mode using Composite Black ON: Mode using Pure Black (PCL only)

ITEM		SETTINGS	EXPLANATION
PCL Setup (cont.)	Pen Width Adjust	On/Off	When minimum width is specified in PCL, sometimes a 1-dot line, looks broken. With PEN WIDTH Adjust set to ON, when the minimum width is specified, the line width will be emphasized so as to look wider than a 1-dot line. With PEN WIDTH Adjust set to OFF, the line will appear as before.
	Tray ID # Tray 2	1 ~ 5 ~ 59	Sets the # to specify Tray 2 for the paper feed destination command (ESC&I#H) in PCL5e emulation. (Displayed only if Tray 2 is installed).
	Tray 3	1 ~ 20 ~ 59	Sets the # to specify Tray 3 for the paper feed destination command (ESC&I#H) in PCL5e emulation. (Displayed only if Tray 3 is installed).
	MPTray	1 ~ 4 ~ 59	Sets the # to specify the MP tray for the paper feed destination command (ESC&I#H) in PCL5e emulation.
IBM PPR Setup	Character Pitch	10 CPI 12 CPI 17 CPI 20 CPI Proportional	Specifies character pitch in IBM PPR emulation.
	Font Condense	12CPI to 20CPI 12CPI to 12CPI	Specifies 12CPI pitch for Condense Mode.
	Character Set	SET-2 SET-1	Sets a character set.

ITEM		SETTINGS	EXPLANATION
IBM PPR Setup (cont.)	Symbol Set	IBM 437	Sets the Symbol Set for IBM PPR (see machine operator panel for complete list).
	Letter O Style	Enable/ Disable	Specifies the style that replaces ø (9B) and V (9D) with ø (ou) and Ø (zero).
	Zero Character	Normal /Slashed	Specifies the style of 0(zero). SLASHED: SLASH ZERO
	Line Pitch	6/8 LPI	Sets line space.
	White Page Skip	On/ Off	Sets whether to eject a blank sheet. Available only when simplex is set.
	CR Function	CR /CR+LF	Sets action when CR code is received.
	LF Function	LF /LF+CR	Sets action when LF code is received.
	Line Length	80 /136 column	Specifies the number of characters per line.
	Form Length	11 /11.7/12 inch	Specifies the length of paper.
	TOF Position	0.0 /0.1/~1.0 inch	Sets the position from the top edge of paper.
	Left Margin	0.0 /0.1/~1.0 inch	Sets the amount to shift the horizontal print start position to the right.
	Fit to Letter	Enable/ Disable	Sets the printing mode that can fit print data, equivalent to 11 inches (66 lines), in the LETTER-size printable area.
	Text Height	Same /Diff	Sets height of a character. SAME: Regardless of CPI, same height DIFF: According to CPI, character heights vary.

ITEM		SETTINGS	EXPLANATION
EPSON FX Setup	Character Pitch	10 CPI /12 CPI/ 17 CPI 20 CPI/ Proportional	Specifies character pitch in Epson FX emulation.
	Character Set	SET-2 SET-1	Sets a character set.
	Symbol Set	IBM 437	Sets the Symbol Set for Epson FX Emulation. (see machine operator panel for complete list).
	Letter O Style	Enable/ Disable	Specifies the style that replaces ø (9B) and V (9D) with ø (ou) and Ø (zero).
	Zero Character	Normal / Slashed	Specifies the style of 0(zero). SLASHED: SLASH ZERO
	Line Pitch	6/8 LPI	Sets line space.
	White Page Skip	On/ Off	Sets whether to eject a blank sheet. Available only when simplex is set.
	CR Function	CR /CR+LF	Sets action when CR code is received.
	Line Length	80 /136 Column	Specifies the number of characters per line.
	Form Length	11 /11.7/12 inch	Specifies the length of paper.
	TOF Position	0.0 /0.1/~1.0 inch	Sets the position from the top edge of paper.
	Left Margin	0.0 /0.1/~1.0 inch	Sets the amount to shift the horizontal print start position to the right.
	Fit to Letter	Enable/ Disable	Sets the printing mode that can fit print data, equivalent to 11 inches (66 lines), in the LETTER-size printable area.
	Text Height	Same /Diff	Sets height of a character. SAME: Regardless of CPI, same height; DIFF: According to CPI, character heights vary.

ITEM		SETTINGS	EXPLANATION
Color Setup	Ink Simulation	Off SWOP Euroscale Japan	The machine has its own process simulation engine which simulates standard colors in the printer. This function is available only with PS language jobs.
	UCR	Low Medium High	Selects limitation to the toner layer thickness. If paper curl occurs in dark printing, selecting MEDIUM or LIGHT sometimes helps reduce this curl. UCR = Under Color Removal.
	CMY 100% Density	Enable/ Disable	Enable/Disable 100% output against the CMY100% TRC compensation. Ordinarily, the TRC compensation function holds control for the appropriate print density; thus 100% output is not always possible. Selecting ENABLE will enable 100% output in any individual color. The actual print, including the TRC compensation function is limited to an appropriate area. This function is for special purposes such as specification in CMYK color reduction in PS.
	CMYK Conversion	On/Off	Setting to "OFF" will simplify the conversion process of CMYK data, which will reduce the processing time. This setting is ignored when Ink Simulation function is used. PS only

ITEM		SETTINGS	EXPLANATION
Memory Setup	Receive Buffer Size	Auto 0.5 megabyte 1 megabyte 2 megabyte 4 megabyte 8 megabyte 16 megabyte 32 megabyte	Sets the size of receive buffer
	Resource Save	Auto Off 0.5 megabyte 1 megabyte 2 megabyte 4 megabyte 8 megabyte 16 megabyte 32 megabyte	Sets the size of resource saving area.
Flash Memory Setup	Initialize	Execute	Initializes Resident FLASH. When the Enter button is pressed, the following confirmation message appears. Are You Sure? Yes/No If No is selected, the previous menu display resumes. If Yes is selected, the following confirmation message displays. Execute Now? Yes/No If No is selected, the previous menu display resumes. At this time, the request to execute FLASH initialization is put into the memory and initialization will be executed at power cycle. If Yes is selected, shutdown takes place, and FLASH is initialized at power Off/On cycle.

ITEM		SETTINGS	EXPLANATION
SD Card Setup <i>This item is displayed only if the SD card (option) is installed.</i>	Initialize	Execute	<p>Initializes the SD Card to the factory default setting. Machine performs partition-division, and initializes each partition.</p> <p>When this menu is executed, the following confirmation message appears.</p> <p>Are You Sure? Yes/No</p> <p>If No is selected, you will return to the previous menu.</p> <p>If Yes is selected, the following confirmation message appears.</p> <p>Execute Now? Yes/No</p> <p>If No is selected, you will return to the previous menu.</p> <p>The request to execute SD Card initialization is put into the memory and initialization will be executed at the next power cycle.</p> <p>If Yes is selected, shutdown takes place, and the SD Card is initialized at power Off/On cycle.</p>

ITEM		SETTINGS	EXPLANATION
SD Card Setup (cont.)	Resize Partition	PCL nn%/ Common mm%/ PSII%/<Apply>	<p>Specifies the size of partition. Specifies a size by ratio to the whole SD Card in % (1% unit). nn,mm,ll: 1 - 98 and nn+mm+ll= 100</p> <p>The sizes are displayed in the partition list and can be changed by selecting the partition size to be changed. If Apply is selected, the following confirmation message appears.</p> <p>Are You Sure? Yes/No No = return to the previous menu. Yes = Execute Now? Yes/No No = return to the previous menu. The request is put into the memory and the SD Card initialization and partition size change will be executed at next power cycle. Yes = shutdown. SD Card initialization and partition size change will be executed at Power Off/On cycle. (If one partition size is modified, the others are also modified.) If any partition size is modified, Initialization of SD Card needs to be executed as well.</p> <p>If a previously used SD Card is installed, SD Card initialization also takes place. If an SD Card, which has been used before, is installed, the layout of this menu may be different from that of each partition. (The previously used layout will be displayed.)</p>

ITEM		SETTINGS	EXPLANATION
SD Card Setup (cont.)	Format Partition	PCL Common PS	<p>Formats a specified partition.</p> <p>When the Enter button is pressed, the following confirmation message appears.</p> <p>Are You Sure? Yes/No</p> <p>No = return to the previous menu.</p> <p>Yes = Execute Now? Yes/No</p> <p>No = return to the previous menu. The request to execute partition formatting is put into the memory and formatting will be executed at next power cycle.</p> <p>Yes = shutdown. The partition is formatted at power Off/On cycle.</p>
System Setup	Near Life Status	Enable/Disable	<p>Set LCD panel control at the time of near-life warning for drum, fuser and belt.</p> <p>Enable: Display a near-life warning.</p> <p>Disable: Do not display a near-life warning.</p>
	Near Life LED	Enable/Disable	<p>Controls the settings of the Attention LED when near end of life warning of toner, drum, fuser, or belt occurs.</p> <p>Attention LED is lit when enabled, not lit if disabled. (Displays LCD message.)</p> <p>The temporary recovery by opening and closing of the cover in Life error is not included.</p>

ITEM		SETTINGS	EXPLANATION
Time Setup	Date Format	mm/dd/yyyy dd/mm/yyyy yyyy/mm/dd	Set desired date format.
	Time Zone	-12:00 ~ 0:00 ~ +13:00	Enter the time zone for your country in relation to GMT. Set in quarter units within the range. Use the Menu up/down buttons to increment/decrement and press the Enter button to set and proceed to the next digit.
	Daylight Saving	On Off	Enable/disable daylight saving setting.
	Time Setting	01/01/2000 00:00 ~ 01/01/2009 00:00 ~ 3 1/12/2091 23:59	Set current date and time. Display format follows the settings selected in Date Format.
Change Password	New Password	xxxxxxxxxxxxxx	Sets a new password to enter Admin Setup menu. From 6 to 12 alpha/numeric digits can be entered.
	Verify password	xxxxxxxxxxxxxx	Forces the User to input the new password to enter Admin Setup. From 6 to 12 alpha/numeric digits can be entered.

ITEM		SETTINGS	EXPLANATION
Settings	Reset Settings	Execute	Resets EEPROM of CU. Resets User menu to the factory default. If Execute is selected, exits from the menu.
	Save Settings	Execute	Saves menus currently set. With this function, the menus with which operation was last performed are saved, and overwrites with them menus that were previously saved. When the Enter button is pressed, the following confirmation message appears. Are You Sure? Yes/No No = the preceding menus are restored. Yes = the current menu settings are saved and this menu is exited.
	Restore Settings	Execute	Changes to the menu setting saved. When the Enter button is pressed, the following confirmation message appears. Are You Sure? Yes/No If No is selected, the previous menu display resumes. If Yes is selected, changes to the menu settings are saved and this menu is exited. Display Condition: The menu settings are saved.

Calibration

ITEM		SETTINGS	EXPLANATION
Auto Density Mode		On/Off	<p>Selects whether density adjustment and TRC compensation is automatically performed.</p> <p>On: Density adjustment is automatically run under the engine-specified conditions, and reflected in TRC compensation.</p> <p>Off: The printer does not voluntarily run density adjustment.</p>
Adjust Density		Execute	<p>If Execute is selected, the printer will immediately adjust density and reflect it in TRC compensation.</p> <p>This adjustment must be executed when the printer is idling. It can become invalid if executed in any other state.</p>
Adjust Registration		Execute	<p>When this menu is selected, the printer performs AutoAdjust Registration.</p> <p>This adjustment must be executed when the printer is idling.</p>
Print Tuning Pattern		Execute	<p>Prints the pattern for the user to adjust TRC. Ordinarily, this function is not needed because TRC is automatically adjusted to the recommended levels through density adjustment and TRC compensation.</p> <p>Adjustment results will be reflected as offset values (addition) to the corrections through the Adjust Density/TRC Compensation function.</p>

ITEM		SETTINGS	EXPLANATION
Cyan/Magenta/ Yellow/Black Tuning	Highlight	-3,-2,-1, 0 ,+1,+2,+ 3,	Adjusts HIGHLIGHT (light area) of the TRC. + = Darker - = Lighter
	Mid-Tone	-3,-2,-1, 0 ,+1,+2,+ 3,	Adjusts MID-TONE area of the TRC. + = Darker - = Lighter
	Dark	-3,-2,-1, 0 ,+1,+2,+ 3,	Adjusts DARK area of the TRC. + = Darker - = Lighter
Cyan/Magenta/ Yellow/Black Darkness		-3,-2,-1, 0 ,+1,+2,+ 3,	Adjusts the engine density.

Boot Menu

This menu should only be changed by the System Administrators. In order to gain access to this menu, follow the instructions in ["How to Change the Settings: Administrator" on page 27.](#)

This menu is in English only (default settings in bold type).

USB Setup

This menu controls the operation of the printer's USB data interface.

ITEM	SETTINGS	EXPLANATION
USB	Enable / Disable	ENABLES / DISABLES the USB port.
Speed	480 / 12 Mbps	Selects the interface speed. After setting change the menu, the printer restarts on exit.
Soft Reset	Enable / Disable	Enables or disables the SOFT RESET command.
Offline Receive	Enable / Disable	OFFLINE RECEIVE.

Serial Number	Enable / Disable	Specifies whether to ENABLE or DISABLE a USB serial number. The USB serial number is used to identify the USB device connected to your PC.
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When you have changed any settings in the USB Menu, turn the printer **OFF**, then **ON** again.

ITEM	SETTINGS	EXPLANATION
Job Limitations	Off Encrypted Job	Job limitation mode control. Jobs other than specified ones are rejected.
Make Secure SD Card	Execute	Enables SD Card encoding function. Initializes the SD card, adds the cipher key, and enables encoding (security mode). After execution, the following confirmation messages appear. Are You Sure? Yes / No If No is selected, the display returns to the previous menu. If Yes is selected, the printer automatically reboots and the encoding function is turned on. Display Conditions: SD Card is installed, SD Card encoding function invalidity and Storage Setup > Enable Initialization > Yes

Storage Setup

Note:

This menu only displays if the optional SD card is installed.

Make Normal SD Card	Execute	<p>Sets SD Card encoding to invalid.</p> <p>Initializes the SD card, deletes the cipher key, and encoding (security mode) information is turned off.</p> <p>After execution, the following confirmation messages appear.</p> <p>Are You Sure? Yes / No</p> <p>If No is selected, the display returns to the previous menu.</p> <p>If Yes is selected, the printer automatically reboots and the encoding function is turned on.</p> <p>Display Conditions:</p> <p>SD Card is installed, SD Card encoding function invalidity and Storage Setup > Enable Initialization > Yes</p>
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ITEM	SETTINGS	EXPLANATION
Make Cipher Key	Execute	<p>Resets a cipher key to be used on an encrypted SD card.</p> <p>When this processing is done, all data stored on the SD card cannot be restored.</p> <p>After execution, the following confirmation messages will appear.</p> <p>Are You Sure? Yes / No</p> <p>No = display returns to the previous menu.</p> <p>Yes = the printer automatically reboots and the cipher key reset is executed.</p> <p>Display Conditions:</p> <ul style="list-style-type: none"> • SD Card implementation • An encrypted SD card function is enabled.

Storage Setup

Note:

This menu only displays if the optional SD card is installed.

ITEM	SETTINGS	EXPLANATION
Check File System	Execute	Resolves mismatch between actual memory and displayed memory available in a file system. Performs administration data (FAT information) recovery. Performs recovery only for an SD Card.
Check All Sectors	Execute	Performs recovery of defective SD Card sector information and a file system mismatch mentioned above.
Enable SD Card	No Yes	<p>Even if a machine is inoperable at installation because of a faulty SD Card, the machine can be made operable by setting this parameter to No (ignores the existence of the SD Card).</p> <p>When No is set, access to a SD Card results in FAIL because the SD Card is regarded as not attached.</p> <p>After setting change and exit from the menu, the printer will restart.</p>
Erase SD Card	Execute	<p>Deletion of all data stored in the SD Card. DoD 5220.22-M sanitizing formula is used for clearing the card. The machine will restart after changing setup. The following message appears after pressing the Enter button.</p> <p>Are You Sure? Yes / No</p> <p>No = return to the source menu.</p> <p>Yes = the procedure for clearing disk starts immediately after the machine reboots.</p> <p>If the Cancel button is held down during erasing, the following confirmation messages will appear to discontinue processing.</p> <p>Do You Wish to Cancel? Yes / No</p> <p>No= procedure will continue.</p> <p>Yes = procedure will discontinue.</p>

ITEM	SETTINGS	EXPLANATION
Enable initialization	No Yes	Prevents a setting change accompanying initialization of Block Device (SD Card, FLASH).

Power Setup

ITEM	SETTINGS	EXPLANATION
Peak Power Control	Normal Low	Sets Peak Power Control level.
Power Save	Enable Disable	Sets Enable/Disable of Power Save Mode.
Sleep	Enable Disable	Sets Enable/Disable of Sleep Mode.
USB Host Power	Off On	Set power supply for USB-HOST of the whole power save mode. When Off, suppress power supply. When On, do normal power supply.

Language Setup

ITEM	SETTINGS	EXPLANATION
Language initialize	Execute	Initializes the message file loaded in FLASH. When you press the Enter button, the following message, requesting confirmation, will appear, Are You Sure? Yes / No No = return to the source menu. The procedure for clearing the disk will start immediately after the menu and rebooting.

Print Statistics

ITEM	SETTINGS	EXPLANATION
Enter Password	XXXX	<p>Enters a password to enter Print Statistics menu.</p> <p>The default value is ¹¹0000¹¹.</p> <p>The password for entry to Print Statistics is different from the password for entry to Functions-Admin Setup.</p> <p>"Print Statistics" category is not shown when Print Statistics function is not supported.</p>
Usage Report	Enable/ Disable	<p>Enables/Disables the printing of the Usage Report.</p> <p>When changing a setting value, the printer is rebooted.</p>
Group Counter	Enable / Disable	<p>Specifies if the Group counter is displayed in the Usage Report Print.</p> <p>Enable: Displayed,</p> <p>Disable: Not displayed.</p> <p>Conditions for display:</p> <p>Enable must be selected in Functions/Print Statistics/Usage Report.</p>
Supplies Report	Enable/ Disable	<p>Keeps track of consumable supplies.</p> <p>When Enable is set, the maintenance counter is set.</p> <p>Conditions for display:</p> <p>Enable must be selected in Print Statistics > Usage Report.</p>
Reset Main Counter	Execute	<p>Resets the main counter.</p> <p>When it executes, the following message appears.</p> <p>Are You Sure? Yes / No</p> <p>When No is selected, it returns to original menu indication. When Yes is selected, the main counter zero is cleared, the menu is passed through.</p> <p>Display Conditions:</p> <p>Enable must be selected in Print Statistics > Usage Report.</p>