

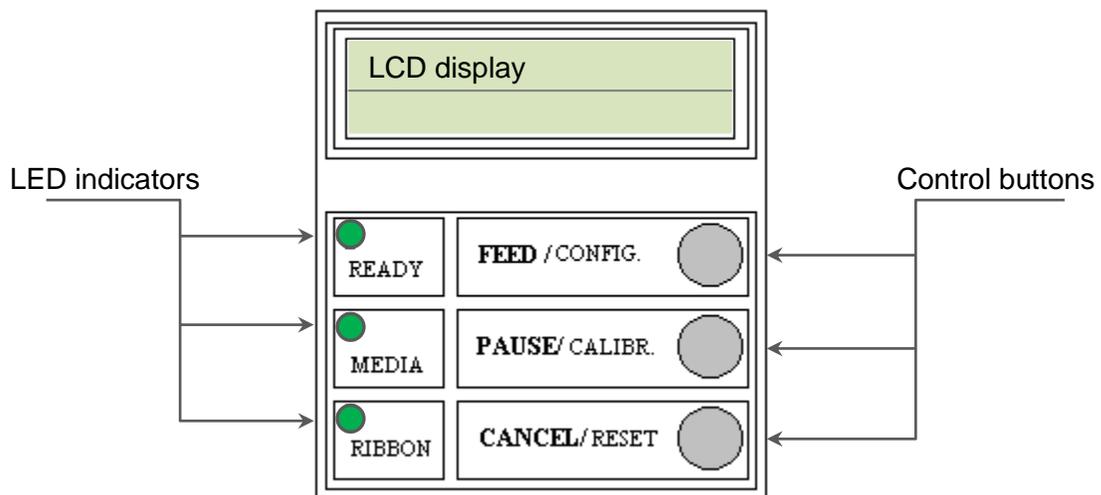
FASTMARK 4600 PLUS

CONTROL PANEL OPERATION

Front Panel

The front panel includes

- LCD display
- 3 LED status indicators (READY, MEDIA and RIBBON)
- 3 control buttons (FEED, PAUSE and CANCEL)



LED Indicators

There are three LED indicators on the front panel, "READY", "MEDIA" and "RIBBON". These indicators display the present status of the printer.



The Ready LED indicates the following conditions:

ON - The printer's power is on, unit is ready to print.

Off - The printer's power is off.

Blinking - Error condition (see Troubleshooting section in USER GUIDE for details)



The Media LED indicates the following conditions:

ON - Media is installed and ready for Normal operation.

Off - The printer's power is off.

Blinking - Media Out condition.

This condition only occurs following a media motion request.



The Ribbon LED indicates the following conditions:

ON - The printer is set for Thermal Transfer mode and the printer contains a Thermal Transfer Ribbon.

OFF - The printer is set for Direct Thermal Mode.

Blinking - The printer is set for Thermal Transfer mode and the ribbon is not moving or at end of life.

This condition only occurs following a media motion request.

Buttons

Depending upon the printer model and current mode, the Front Panel buttons serve multiple functions. Refer to the following tables for their specific functions.

Pressed and held down during Power UP

Upon completion of the desired function the printer will go into a READY condition.

Button	Function
FEED/CONFIG	The printer performs an internal Self-Test and prints a Configuration Report. <i>LCD displays "SELF TEST".</i>
PAUSE/CALIBR	The printer will do a Label Sensor Calibration test on the current loaded media. <i>LCD displays "CALIBRATION".</i>
CANCEL/RESET	The printer will reset the Non-Volatile memory back to factory defaults.

Pressed during normal operation

Button	Function
FEED	The printer will Feed a one label.
PAUSE	The printer will begin blinking the READY LED. If printing the printer will STOP printing, and the READY LED will blink. If pressed a second time the printer will resume normal operation. <i>Models will blink the READY LED and display PAUSE on the LCD display while in the Paused condition.</i>
CANCEL	The printer will Stop printing and delete any further information in the printer's buffer. The user must realign the media by pressing the FEED button, following this function. <i>Models will blink the READY LED and display CANCEL on the LCD display while in the Paused condition.</i>

Pressed for Special functions

Button	Function
FEED PAUSE (RELEASE BUTTONS)	Enter into the printer's Setup menu. <i>See the Front Panel Setup Menu section for more information.</i>

LCD Display

The front panel is equipped with a 2 row by 16-character display.

The basic function of the display is:

- Display the printer status
- Display the printer settings
- Display's prompts requesting input data from a keyboard or barcode reader.

Standard Printer

After power ON the following message is displayed on the LCD

(203, PAL/PPLZ)

The first parameter is either 203 or 300. It indicates the print resolution.

The second parameter indicates the emulation (printer language), PAL/PPLZ, PPLA or PPLB.

With Keyboard Option installed

If a keyboard is plugged in and PAL app loaded, the following message is displayed on the LCD

(203, PAL/PPLZ)
<ESC> FOR KEYBD

With Barcode Reader Option

If a barcode reader is connected and PAL app loaded, the following message is displayed on the LCD.

(203, PAL/PPLZ)
WITH B.C. READER

Abnormal Conditions

If any abnormal condition occurs the related message will be displayed. For example:

RIBBON OUT

Front Panel Set-up Menu

The Set-up menu is a list of printer features that affect the basic operation of the printer. These are functions that may not normally be selected using software commands. Value settings that are changed using the keypad are stored into memory and are retained when power is cycled. Value settings that are changed using software commands are temporary changes and are not retained when power is cycled.

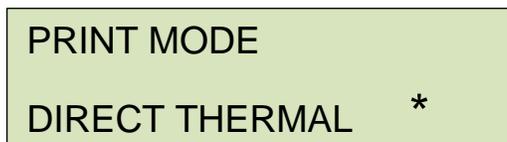
LCD and Button functionality in Set-up mode

Set-up Mode

Buttons	Function
PAUSE	Press PAUSE to take printer off- line with READY LED blinking.
FEED + PAUSE (release buttons)	Enters into set-up mode and displays feature.
FEED + PAUSE	Press and hold down FEED button. Press PAUSE button repeatedly to scroll to the next feature .
FEED + CANCEL	Press and hold down FEED button. Press CANCEL button repeatedly to scroll to the previous feature .
CANCEL	Pressing this key will select the displayed feature.
FEED + PAUSE	Press and hold down FEED button. Press PAUSE button repeatedly to scroll to the next value .
CANCEL	Pressing this key will select the displayed value.
PAUSE	Press PAUSE twice to exit set-up mode and ready printer.

LCD Displayed Information

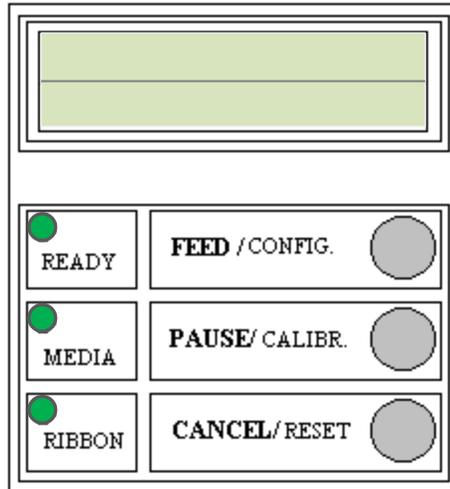
Below is an example of a typical displayed Feature.



Feature name: PRINT MODE (blinking when selected)
Feature Value: DIRECT THERMAL (chosen print mode)
Stored indicator: * (selected and saved)

Procedure to Enter into Set-up Mode

1. Power on the printer.
2. When the “ **READY**” message is displayed on the LCD, press [**PAUSE**] once to enter off-line mode. Press and hold [**FEED**] and then [**PAUSE**] buttons. Release buttons.



3. Press and hold [**FEED**], then press [**PAUSE**] button repeatedly to scroll to the feature that you want to change.
4. Press [**CANCEL**] button once to select feature.
5. Press and hold [**FEED**], then press [**PAUSE**] button repeatedly to scroll to the desired value of the displayed feature.
6. Once the desired value is displayed, press [**CANCEL**] button to save it. After pressing the [**CANCEL**] button an * should appear in the last column. The * is used to designate the stored value in non-volatile memory.
7. Press the [**PAUSE**] button once to save, and again to return to normal mode.

Note: Do not enter set-up mode while the printer is printing or while the host is sending data.

Typical Set-up Control Panel Features (features may differ among models)

Feature Item	Value	Factory Default
PRINT MODE	Direct Thermal <u>or</u> Thermal Mode	Direct Thermal
MAC ADDRESS	####-####-####	Printer Specific
DEFAULT GATEWAY	###.###.###.###	Printer Specific
SUBNET MASK	###.###.###.###	Printer Specific
IP ADDRESS	###.###.###.###	Client Determined
DHCP	Enabled <u>or</u> Disabled	Disabled
CLEAR FLASH	Yes or No	No
LENGTH (RS232)	7 Data Bits <u>or</u> 8 Data Bits	8 Data Bits
PARITY (RS232)	None Odd <u>or</u> Even	None
BAUD RATE	9600 / 115200 / 57600 / 38400 / 19200 9600 / 4800 / 2400 / 1200 / 600	9600
TRIM DARKNESS	-030 ~ +030	+000
ABS DARKNESS	000~030	016
PRESENT DISTANCE	000~040	021
MEDIA SENSOR TYPE	Gap <u>or</u> Black Bar	Black Bar
COUNTING	Up <u>or</u> Down	Down
PEELER INSTALLED	Yes <u>or</u> No	No
CUTTER INSTALLED	Yes <u>or</u> No	No
RECOVER PRINT	Enabled <u>or</u> Disabled	Disabled
TPH VERT. OFFSET	-003 ~ +003	+000
CUT PEEL OFFSET	-015 ~ +050	+000
AUTO CALIBR MODE	Mode 1 ~ 4	Mode 1

Notes:

1. To verify that a feature has been properly changed cycle power on the printer.
2. Make sure the settings you desire has an * character by the value.