

Control Panel Parameters

Use the LCD on the control panel to adjust printer settings.

Additional parameters appear in the following situations:

- When a wired print server is installed in the printer. For more information, refer to the *ZebraNet 10/100 Print Server User and Reference Guide*.
- When a wireless print server is installed in the printer. For more information, refer to the *ZebraNet Wireless User Guide*.

Copies of these manuals are available at <http://www.zebra.com/manuals> or on the user CD that came with your printer.

Password Level 1 and 2 Parameters

Table 14 shows parameters in the order in which they appear when you press the right arrow after entering Setup mode. Throughout this process, press the right arrow to continue to the next parameter or the left arrow to return to the previous parameter in the cycle.

Table 14 • Printer Parameters, Password Levels 1 and 2 (Page 1 of 5)

Parameter	Explanation
DARKNESS (ZPL, APL-D, and APL-I modes) DENSITY (EPL mode only)	Adjust Print Darkness The best darkness setting depends on a variety of factors, including ribbon type, labels, and the condition of the printhead. You may adjust the darkness for consistent high-quality printing.  Important • Set the darkness to the lowest setting that provides good print quality. If the darkness is set too high, the ink may smear, the ribbon may burn through, or the printhead may wear prematurely.  Note • The printer applies and saves the darkness setting immediately. Exiting Setup mode without saving changes does not restore the previous value. If printing is too light or if there are voids in the printed areas, increase the darkness. If the printing is too dark or if there is spreading or bleeding of printed areas, decrease the darkness. Darkness settings also may be changed by the driver or software settings. The <i>FEED Self Test</i> on page 117 can be used to determine the best darkness setting. Because the darkness setting takes effect immediately, you can see the results on labels that are currently printing. <i>Range (ZPL, APL-D, APL-I): 0.0 to +30.0</i> <i>Default Value (ZPL, APL-D, APL-I): +10.0</i> <i>Range (EPL): 7</i> <i>Default Value (EPL): 0 to 15</i> To modify this parameter: • Press the up arrow to increase value. • Press the down arrow to decrease value.

Table 14 • Printer Parameters, Password Levels 1 and 2 (Page 3 of 5)

Parameter	Explanation
MEDIA TYPE	Set Media Type Tells the printer which type of media you are using. <i>Selections:</i> - GAP/NOTCH—Use for non-continuous web media, non-continuous fanfold media, and tag stock. - CONTINUOUS—Use for media that does not have divisions between labels. - MARK—Use for non-continuous black mark media. <i>Default Value:</i> GAP/NOTCH To modify this parameter: - Press the up or down arrow to scroll through the selections.
SENSOR SELECT	Select the Media Sensor Use the setting that gives the best results. You can use the reflective sensor for most media. - REFLECTIVE—Use with black mark media and most other media types. - TRANSMISSIVE—Use with any media (other than black mark media) that does not work well with the reflective sensor. To use the transmissive sensor with media that has holes or notches, verify that the holes or notches pass through the sensor so that the sensor can detect them. If the holes or notches do not pass through the sensor, use the reflective sensor. <i>Default Value:</i> REFLECTIVE To modify this parameter: - Press the up or down arrow to scroll through the selections.
REMOVAL	Select the Label Removal Method The label removal must correspond to the print mode (see Print Modes and Printer Options on page 38). Be sure to select a label removal mode that your hardware configuration supports because some of the selections displayed are for optional printer features. <i>Selections:</i> TEAR, PEEL, CUTTER, REWIND, DELAYED CUT <i>Default Value:</i> TEAR To modify this parameter: Press the up or down arrow to scroll through the selections.

Print Modes and Printer Options

The printer can use different print modes and options for label removal (Table 8). Use a print mode that matches the media being used and the printer options available. For more information on the types of media, see [Types of Media on page 32](#). To select a print mode, see [Select the Label Removal Method on page 74](#).

Print Mode Descriptions and Printer Requirements

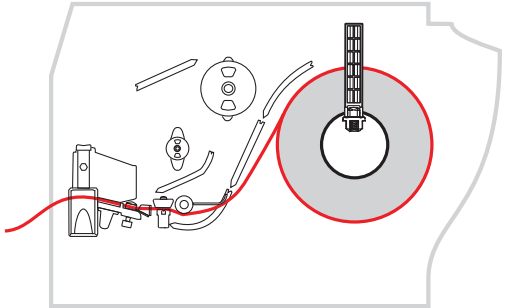
Table 8 • Print Modes and Printer Options

Print Mode	When to Use/Printer Options Required	Printer Actions
Tear-Off (default setting)	Use for most applications. This mode can be used with any printer options and most media types.	The printer prints label formats as it receives them. The printer operator can tear off the printed labels any time after they print.
Peel-Off	Use only if the printer has the Peel-Off option.	The printer peels the label from the liner during printing and then pauses until the label is removed. The liner exits the front of the printer.
Cutter	Use if the printer has a cutter option when you want the labels to be cut apart.	The printer prints a label and then cuts it free.

Media Paths

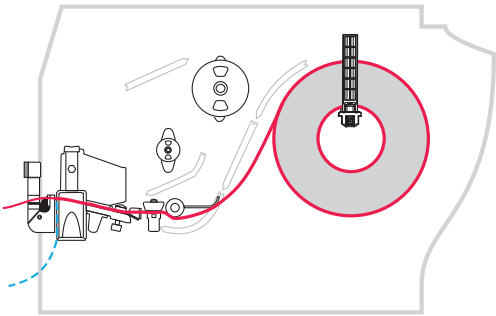
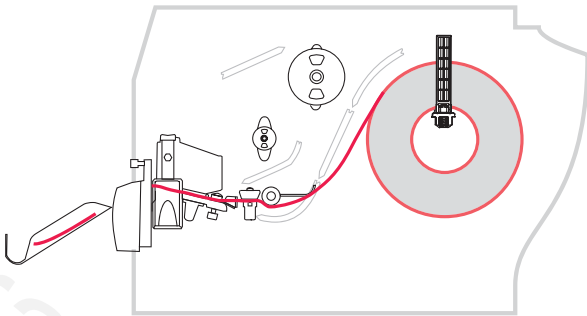
Table 9 shows the media paths for print mode and printer option combinations using roll media. Fanfold media uses the same print modes and printer options as roll media.

Table 9 • Media Paths for Print Modes with Various Printer Options

Print Mode	Printer Option	Media Path
Tear-Off	Printers with any printer options can use Tear-Off mode	

Red solid lines = media, Blue dotted lines = backing only

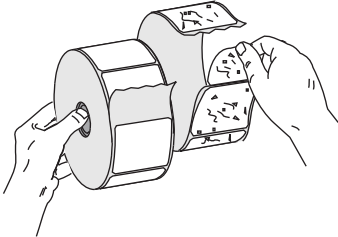
Table 9 • Media Paths for Print Modes with Various Printer Options (Continued)

Print Mode	Printer Option	Media Path
Peel-Off	Peel, Liner take-up, or Rewind	
Cutter	Cutter (shown with an optional catch tray)	

Red solid lines = media, Blue dotted lines = backing only

Start a Roll of Media

Exposed media may become dirty when handled or stored. To start a roll of media, remove and discard one full revolution of labels or tags and any liner.

Labels	Tag Stock
Remove all labels that are held by adhesives or tape. 	Detach all exposed tags. 