


## Password Level 3 Parameters

Table 15 shows parameters in the order in which they appear when you press the right arrow after entering the **Level 3 password (1234)**. 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.

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Parameter	Explanation
PRINT OUT	<p><b>Print Selected Labels</b></p> <p>This parameter allows you to print certain types of labels with information about the printer.</p> <p><i>Selections:</i></p> <ul style="list-style-type: none"> <li>• <b>SETTINGS</b>—Prints a printer configuration label. See <a href="#">Printing Configuration Labels on page 68</a>.</li> <li>• <b>FORMATS</b> (ZPL, EPL, APL-D)—Prints a label that lists the available fonts in the printer, including standard printer fonts plus any optional fonts. Fonts may be stored in RAM, Flash memory, optional memory cards, or font cards.</li> <li>• <b>FORMATS</b> (ZPL, EPL, APL-D)—Prints a label that lists the available formats stored in the printer's RAM, Flash memory, or optional memory card.</li> <li>• <b>BARCODES</b> (ZPL only)—Prints a label that lists the available bar codes in the printer.</li> <li>• <b>ALL</b> (ZPL, EPL)—Prints labels that list the available fonts, bar codes, images, formats, and the current printer and network configurations.</li> <li>• <b>IMAGES</b> (ZPL, EPL, APL-D)—Prints a label that lists the images currently stored in the printer's RAM, Flash memory, or optional memory cards.</li> <li>• <b>NETWORK</b>—Prints a network configuration label. See <a href="#">Printing Configuration Labels on page 68</a>.</li> <li>• <b>APLI SW SETUP</b> (APL-I only)</li> <li>• <b>APLI HW SETUP</b> (APL-I only)</li> <li>• <b>APLI PRT QUAL</b> (APL-I only)</li> <li>• <b>APLI PITCH</b> (APL-I only)</li> </ul> <p><b>To print labels:</b></p> <ol style="list-style-type: none"> <li>1. Press the up or down arrow to display label choices.</li> <li>2. Press ENTER to print the desired label.</li> </ol>

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Parameter	Explanation
<b>RIBBON</b>	<p><b>Set Ribbon Use</b></p> <p> <b>Note</b> • This parameter appears only for printers that have the Thermal Transfer option installed.</p> <p>Specifies the printing method: thermal transfer (using ribbon) or direct thermal (no ribbon).</p> <p><i>Selections:</i></p> <ul style="list-style-type: none"> <li>• YES (thermal transfer mode, with ribbon)</li> <li>• NO (direct thermal mode, no ribbon)</li> </ul> <p><i>Default Value:</i> YES</p> <p><b>To modify this parameter:</b></p> <ul style="list-style-type: none"> <li>• Press the up or down arrow to scroll through the selections.</li> </ul>
<b>ZPL OVERRIDE (ZPL mode only)</b>	<p><b>Override Certain ZPL Commands</b></p> <p>Allows the following ZPL commands to override the user (printer) settings:</p> <ul style="list-style-type: none"> <li>• ^MM (media mode)</li> <li>• ^MT (media type direct thermal or thermal transfer)</li> <li>• ^MN (media non-continuous or continuous)</li> </ul> <p><i>Selections:</i></p> <ul style="list-style-type: none"> <li>• NO—tells the printer to ignore the listed ZPL commands.</li> <li>• YES—allows the printer to accept the listed ZPL commands.</li> </ul> <p><i>Default Value:</i> YES</p> <p><b>To modify this parameter:</b></p> <ul style="list-style-type: none"> <li>• Press the up or down arrow to scroll through the selections.</li> </ul>

## Ribbon Overview



**Note** • This section applies only to printers that have the Thermal Transfer option installed.

Ribbon is a thin film that is coated on one side with wax, resin, or wax resin, which is transferred to the media during the thermal transfer process. The media determines whether you need to use ribbon and how wide the ribbon must be.

When ribbon is used, it must be as wide as or wider than the media being used. If the ribbon is narrower than the media, areas of the printhead are unprotected and subject to premature wear.

### When to Use Ribbon

Thermal transfer media requires ribbon for printing while direct thermal media does not. To determine if ribbon must be used with a particular media, perform a media scratch test.

**To perform a media scratch test, complete these steps:**

1. Scratch the print surface of the media rapidly with your fingernail.
2. Did a black mark appear on the media?

If a black mark...	Then the media is...
Does not appear on the media	<b>Thermal transfer.</b> A ribbon is required.
Appears on the media	<b>Direct thermal.</b> No ribbon is required.

### Coated Side of Ribbon

Ribbon can be wound with the coated side on the inside or outside (Figure 8). This printer can only use ribbon that is coated on the outside. If you are unsure which side of a particular roll of ribbon is coated, perform an adhesive test or a ribbon scratch test to determine which side is coated.

**Figure 8 • Ribbon Coated on Outside or Inside**



## Adhesive Test

If you have labels available, perform the adhesive test to determine which side of a ribbon is coated. This method works well for ribbon that is already installed.

### To perform an adhesive test, complete these steps:

1. Peel a label from its liner.
2. Press a corner of the sticky side of the label to the outer surface of the roll of ribbon.
3. Peel the label off of the ribbon.
4. Observe the results. Did flakes or particles of ink from the ribbon adhere to the label?

If ink from the ribbon...	Then...
Adhered to the label	The ribbon is coated on the outside and can be used in this printer.
Did not adhere to the label	The ribbon is coated on the <b>inside</b> and cannot be used in this printer. To verify this, repeat the test on the other surface of the roll of ribbon.

## Ribbon Scratch Test

Perform the ribbon scratch test when labels are unavailable.

### To perform a ribbon scratch test, complete these steps:

1. Unroll a short length of ribbon.
2. Place the unrolled section of ribbon on a piece of paper with the outer surface of the ribbon in contact with the paper.
3. Scratch the inner surface of the unrolled ribbon with your fingernail.
4. Lift the ribbon from the paper.
5. Observe the results. Did the ribbon leave a mark on the paper?

If the ribbon...	Then...
Left a mark on the paper	The ribbon is coated on the <b>outer</b> surface.
Did not leave a mark on the paper	The ribbon is coated on the <b>inner</b> surface and cannot be used in this printer. To verify this, repeat the test on the other surface of the roll of ribbon.