

# WELCOME TO LABELTAC® - LET'S START LABELING

## 1 | UNBOX & CHECK CONTENTS

### Included Accessories



Software CD



USB Cable



Power Cable

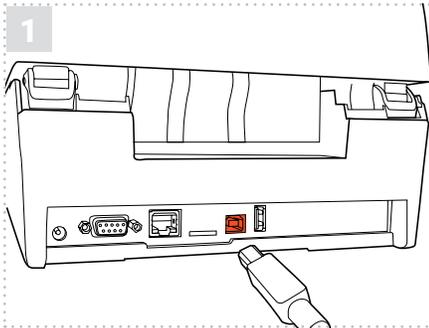


Cleaning Swabs (2)

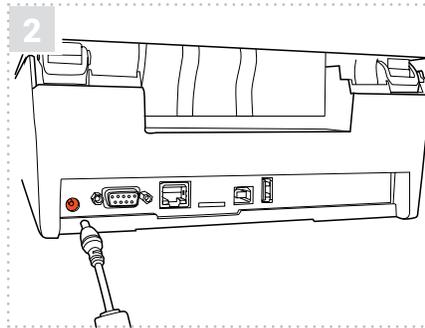


Label Squeegee

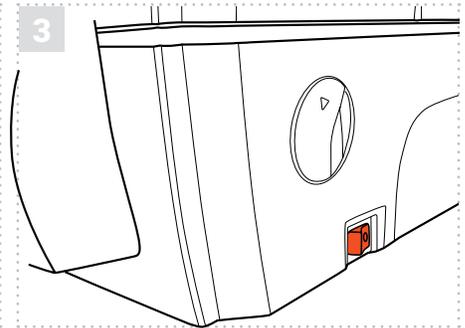
## 2 | CONNECT



Insert the USB cable to the back of your printer and plug the other end into a USB port on your computer.



Connect the the two halves of the power cable and plug into the power jack socket. Plug the other end into an electrical outlet.



Power on your printer.

**Note: It is important that your LabelTac® printer is powered on before installing software.**

## 3 | INSTALL SOFTWARE



### Option 1: Install from CD

Put the included CD in your computer's CD drive and follow the prompts on your screen to install the software.



### Option 2: Digital download

Head to the LabelTac® support page, select your printer model, and download the driver for your printer.

↓ [labeltac.com/support](http://labeltac.com/support)

### SUPPORT

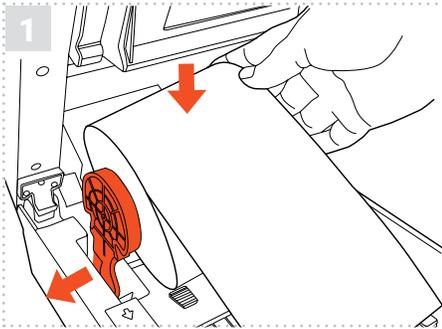
Your LabelTac® printer includes a free, full lifetime warranty on all parts and labor and unlimited support by phone, email or live chat.

Online Support      [labeltac.com/support](http://labeltac.com/support)

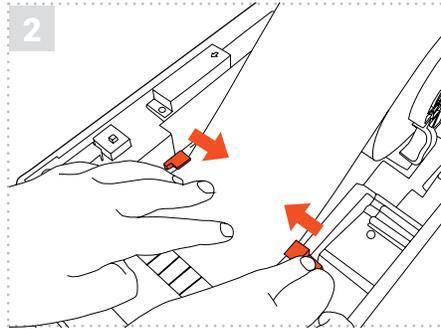
Support by phone      **1-877-356-6584**

Support by email      [support@labeltac.com](mailto:support@labeltac.com)

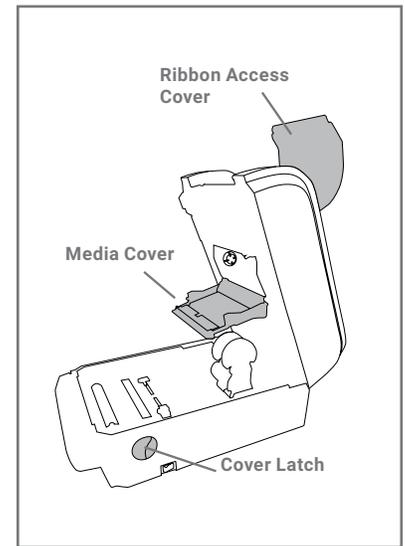
## HOW TO | LOAD LABEL SUPPLY



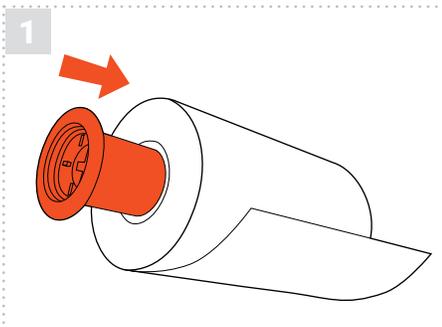
Open the printer using the two cover latches. Spread the supply holders apart by sliding the arms. Both arms will separate evenly. Insert the roll of supply as shown. The holders will close to retain the roll.



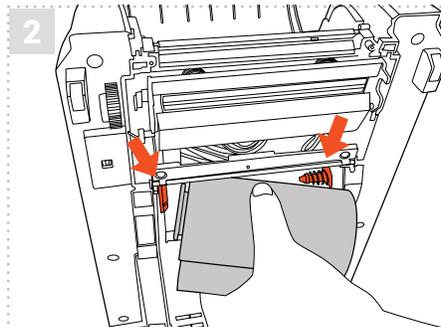
Route the supply under the supply guides. Adjust the guides by sliding back or forth as needed to keep the supply centered. Continue routing the supply over the black platen roller. The end of the supply should stick out a little at the front of the printer.



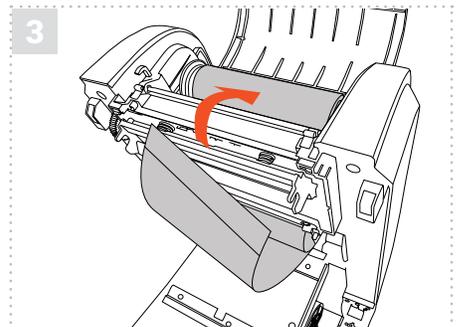
## HOW TO | LOAD PRINT RIBBON



Your printer holds ribbon in place using two black plastic cores. Insert one plastic core into your print ribbon, and the other into the blank core included in the ribbon box.



Open the printer. Then open the ribbon access cover and media cover. Insert the ribbon into the rear ribbon hub by pressing the right side of the ribbon into the spring loaded holder. The left side of the roll goes onto the yellow hub.



Now insert the blank core into the upper ribbon hub in the same fashion. Pull the end of the ribbon down through the printer and up and over the blank core. New rolls have an adhesive edge to attach to the blank core, otherwise use tape. Wind the core up until the ribbon is tight.

Check out videos on loading supplies and learn some helpful label making tips on our YouTube channel

 [youtube.com/labeltac](https://youtube.com/labeltac)

Need some more help with your printer?

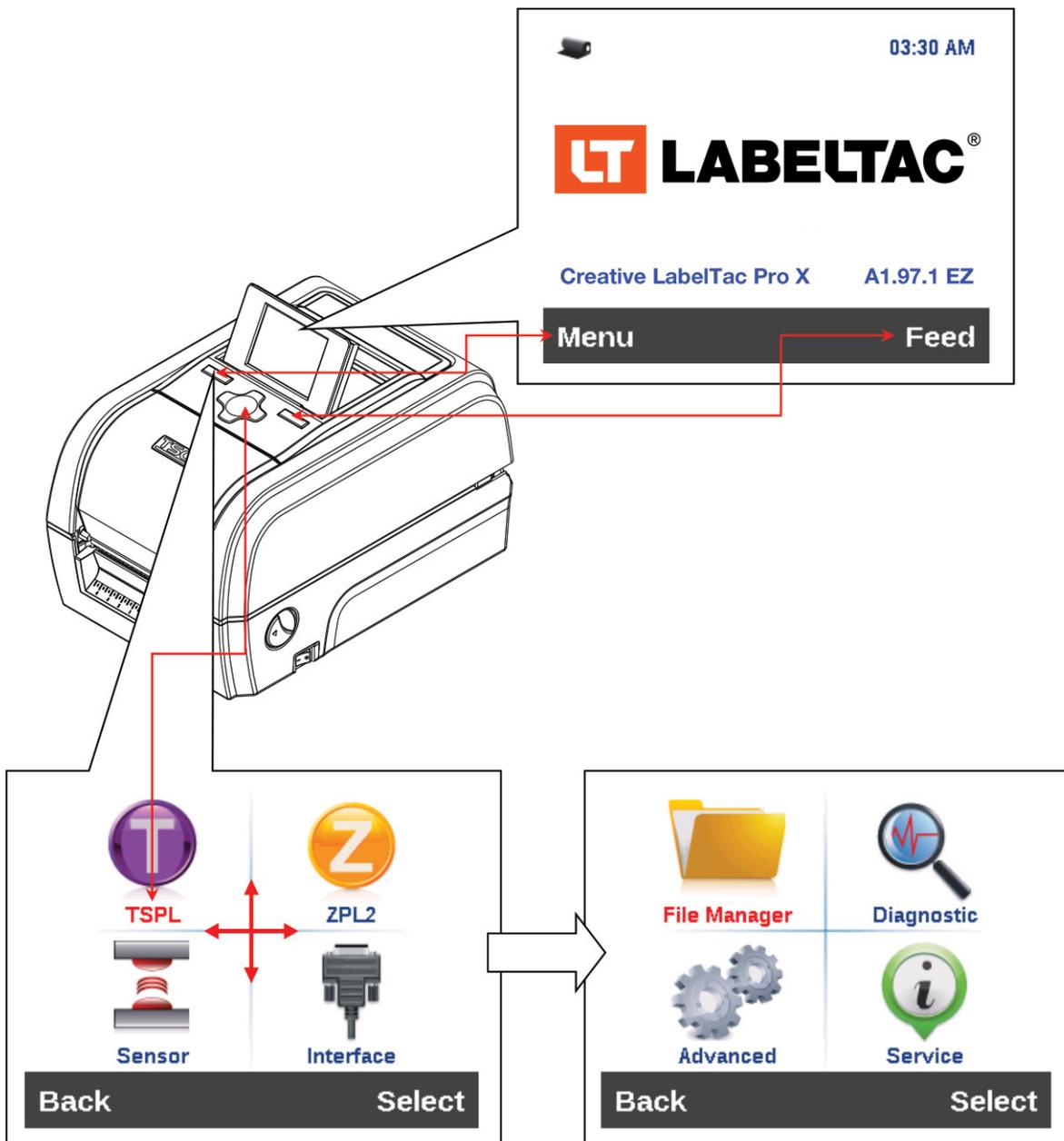
 [labeltac.com/support](https://labeltac.com/support)

 1-877-356-6584

# LCD Menu

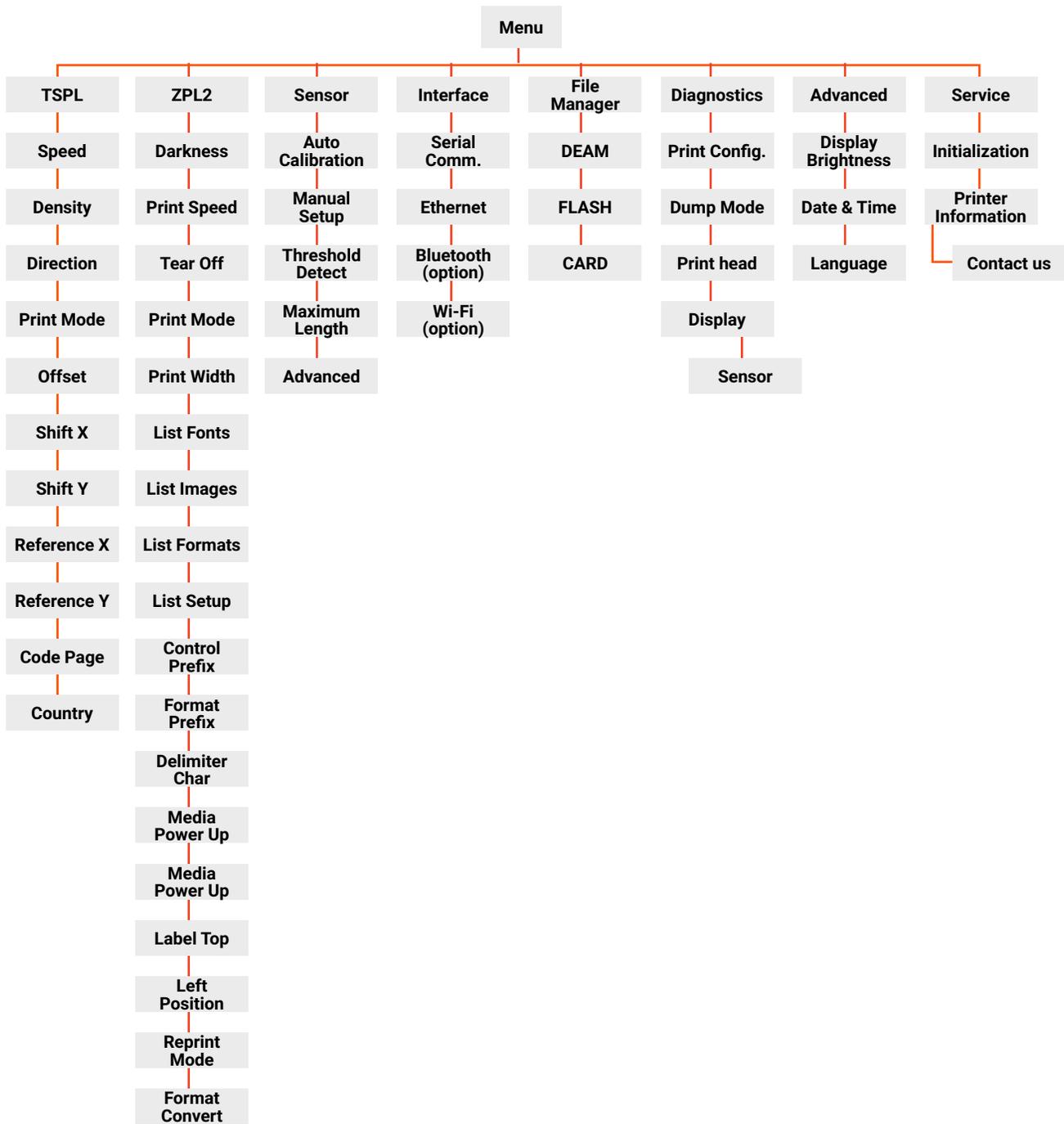
## LCD Menu Function

Press the “Menu” button to enter the main menu. Use the “Cross” button to select the item on main menu. The selected item will turn red. Press the “Feed” button to enter the setting list.



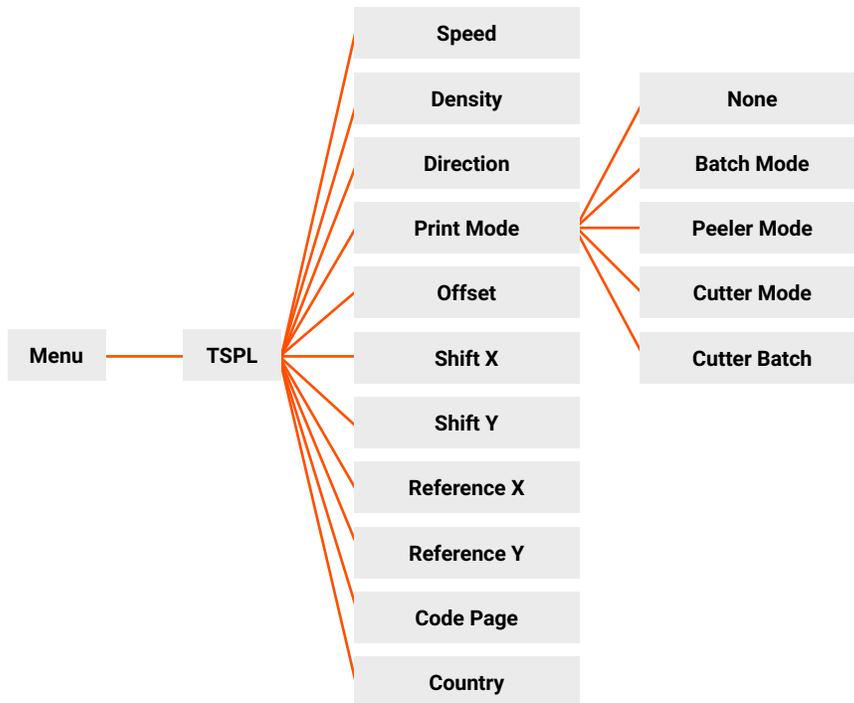
## Main Menu Overview

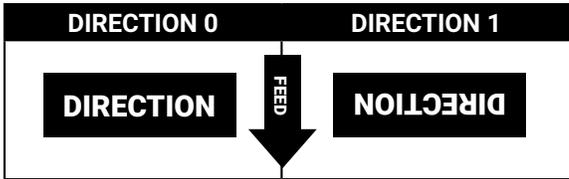
There are 8 categories for the main menu. You can easily set the settings of printer without connecting the computer. Please refer to following sections for more details.



## TSPL2

This “TSPL2” category can set up the printer settings for TSPL2.

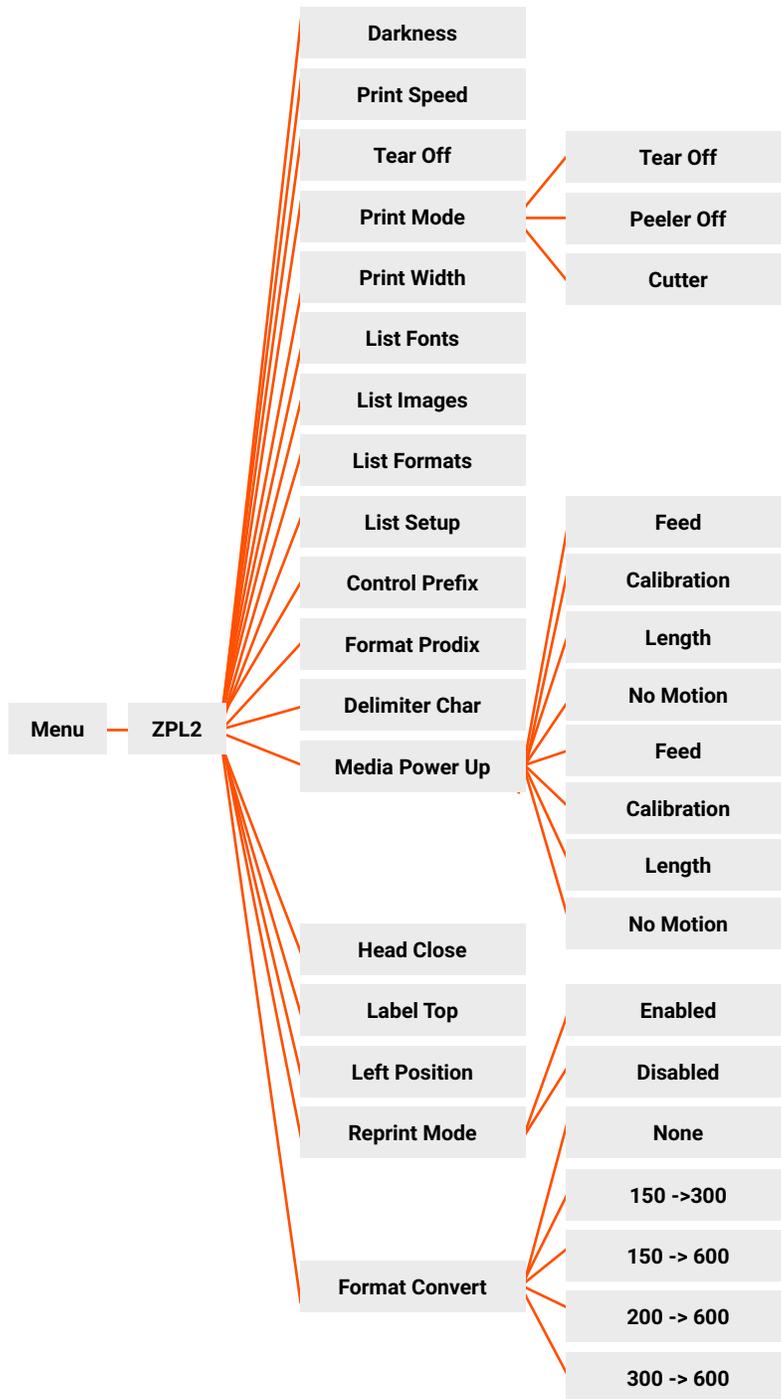


Item	Description	Default												
<b>Speed</b>	Use this item to setup print speed.	N/A												
<b>Density</b>	Use this option to setup printing darkness. The available setting is from 0 to 15, and the step is 1. You may need to adjust your density based on selected media.	8												
<b>Direction</b>	<p>The direction setting value is either 1 or 0. Use this item to setup the printout direction.</p> 	0												
<b>Print mode</b>	<p>This item is used to set the print mode. There are 5 modes as below,</p> <table border="1" data-bbox="475 764 1114 1041"> <thead> <tr> <th>Printer Mode</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>None</td> <td>Next label top of form is aligned to the print head burn line location. (Tear Off Mode)</td> </tr> <tr> <td>Batch Mode</td> <td>Once image is printed completely, label gap/black mark will be fed to the tear plate location for tear away.</td> </tr> <tr> <td>Peeler Mode</td> <td>Enable the label peel off mode.</td> </tr> <tr> <td>Cutter Mode</td> <td>Enable the label cutter mode.</td> </tr> <tr> <td>Cutter Batch</td> <td>Cut the label once at the end of the printing job.</td> </tr> </tbody> </table>	Printer Mode	Description	None	Next label top of form is aligned to the print head burn line location. (Tear Off Mode)	Batch Mode	Once image is printed completely, label gap/black mark will be fed to the tear plate location for tear away.	Peeler Mode	Enable the label peel off mode.	Cutter Mode	Enable the label cutter mode.	Cutter Batch	Cut the label once at the end of the printing job.	Batch Mode
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None	Next label top of form is aligned to the print head burn line location. (Tear Off Mode)													
Batch Mode	Once image is printed completely, label gap/black mark will be fed to the tear plate location for tear away.													
Peeler Mode	Enable the label peel off mode.													
Cutter Mode	Enable the label cutter mode.													
Cutter Batch	Cut the label once at the end of the printing job.													
<b>Offset</b>	This item is used to fine tune media stop location. Available setting value is from "+" to "-" or "0" to "9".	+000												
<b>Shift X</b>	This item is used to fine tune print position. Available setting value is from "0" to "9".	+000												
<b>Shift Y</b>		+000												
<b>Reference X</b>	This item is used to set the origin of printer coordinate system horizontally and vertically. Available setting value is from "0" to "9".	000												
<b>Reference Y</b>		000												
<b>Code Page</b>	Use this item to set the code page of international character set.	850												
<b>Print mode</b>	Use this option to set the country code.	001												

Note: If printing from enclosed software/driver, the software/driver will send out the commands, which will overwrite the settings set from the panel.

# ZPL2

This "ZPL2" category can set up the printer settings for ZPL2.

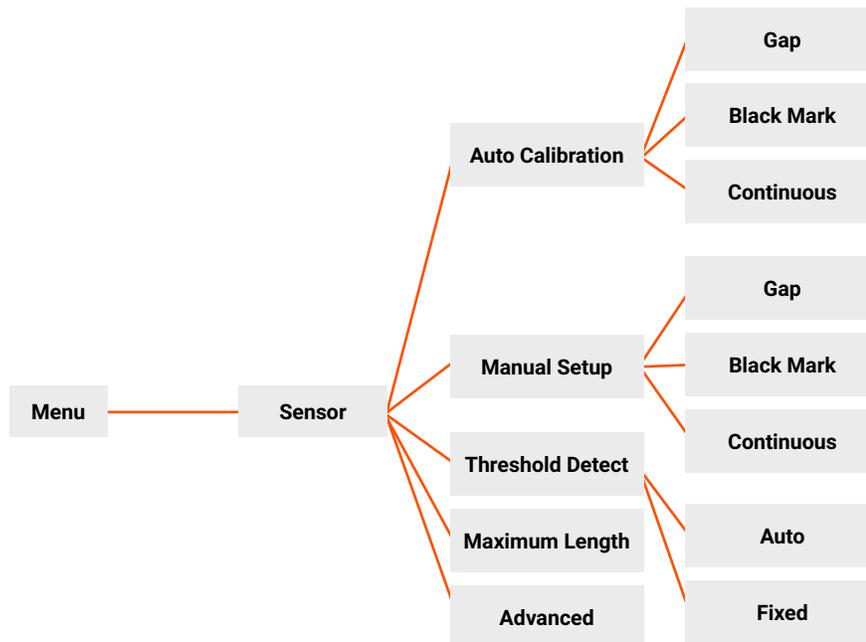


Item	Description	Default										
<b>Darkness</b>	Use this item to setup printing darkness. The available setting is from 0 to 30, and the step is 1. You may need to adjust your density based on selected media.	16										
<b>Print Speed</b>	Use this item to setup print speed. The each increase or decrease is 1 ips. Available setting is from 2 to 6.	6 (203dpi) 4 (300dpi) 3 (600dpi)										
<b>Tear Off</b>	This item is used to fine tune media stop location. Available setting value is from "+" to "-" or "0" to "9".	+000										
<b>Print mode</b>	This item is used to set the print mode. There are 3 modes as below, <table border="1" data-bbox="509 428 1045 585"> <thead> <tr> <th>Printer Mode</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td><b>Tear Off</b></td> <td>Next label top of form is aligned to the print head burn line location.</td> </tr> <tr> <td><b>Peeler Off</b></td> <td>Enable the label peel off mode.</td> </tr> <tr> <td><b>Cutter</b></td> <td>Enable the label cutter mode</td> </tr> </tbody> </table>	Printer Mode	Description	<b>Tear Off</b>	Next label top of form is aligned to the print head burn line location.	<b>Peeler Off</b>	Enable the label peel off mode.	<b>Cutter</b>	Enable the label cutter mode	Tear Off		
Printer Mode	Description											
<b>Tear Off</b>	Next label top of form is aligned to the print head burn line location.											
<b>Peeler Off</b>	Enable the label peel off mode.											
<b>Cutter</b>	Enable the label cutter mode											
<b>Print Width</b>	This item is used to set print width. The available value is from "0" to "9".	N/A										
<b>List Fonts</b>	This feature is used to print current printer available fonts list to the label. The fonts stored in the printer's DRAM, Flash or optional memory card.	N/A										
<b>List Images</b>	This feature is used to print current printer available images list to the label. The images stored in the printer's DRAM, Flash or optional memory card.	N/A										
<b>List Formats</b>	This feature is used to print current printer available formats list to the label. The formats stored in the printer's DRAM, Flash or optional memory card.	N/A										
<b>List Setup</b>	This feature is used to print current printer configuration to the label.	N/A										
<b>Control Prefix</b>	This feature is used to set control prefix character.	N/A										
<b>Format Prefix</b>	This feature is used to set control prefix character.	N/A										
<b>Delimiter Char</b>	This feature is used to set delimiter character. N/A											
<b>Media Power Up</b>	This option is used to set the action of the media when you turn on the printer. <table border="1" data-bbox="509 1058 1045 1251"> <thead> <tr> <th>Selections</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td><b>Feed</b></td> <td>Printer will advance one label</td> </tr> <tr> <td><b>Calibration</b></td> <td>Printer will calibration the sensor levels, determine length and feed label</td> </tr> <tr> <td><b>Length</b></td> <td>Printer determine length and feed label</td> </tr> <tr> <td><b>No Motion</b></td> <td>Printer will not move media</td> </tr> </tbody> </table>	Selections	Description	<b>Feed</b>	Printer will advance one label	<b>Calibration</b>	Printer will calibration the sensor levels, determine length and feed label	<b>Length</b>	Printer determine length and feed label	<b>No Motion</b>	Printer will not move media	No Motion
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<b>Feed</b>	Printer will advance one label											
<b>Calibration</b>	Printer will calibration the sensor levels, determine length and feed label											
<b>Length</b>	Printer determine length and feed label											
<b>No Motion</b>	Printer will not move media											
<b>Head Close</b>	This option is used to set the action of the media when you close the print head. <table border="1" data-bbox="509 1331 1045 1524"> <thead> <tr> <th>Selections</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Feed</td> <td>Printer will advance one label</td> </tr> <tr> <td>Calibration</td> <td>Printer will calibration the sensor levels, determine length and feed label</td> </tr> <tr> <td>Length</td> <td>Printer determine length and feed label</td> </tr> <tr> <td>No Motion</td> <td>Printer will not move media</td> </tr> </tbody> </table>	Selections	Description	Feed	Printer will advance one label	Calibration	Printer will calibration the sensor levels, determine length and feed label	Length	Printer determine length and feed label	No Motion	Printer will not move media	No Motion
Selections	Description											
Feed	Printer will advance one label											
Calibration	Printer will calibration the sensor levels, determine length and feed label											
Length	Printer determine length and feed label											
No Motion	Printer will not move media											
<b>Label Top</b>	This option is used to adjust print position vertically on the label. 0 The range is -120 to +120 dots.	0										
<b>Left Position</b>	This option is used to adjust print position horizontally on the label. The range is -9999 to +9999 dots.	+0000										
<b>Reprint Mode</b>	When reprint mode is enabled, you can reprint the last label printer by pressing "UP" button on printer's control panel.	Disabled										
<b>Format Convert</b>	Selects the bitmap scaling factor. The first number is the original dots per inch (dpi) value; the second, the dpi to which you would like to scale.	None										

Note: If printing from enclosed software/driver, the software/driver will send out the commands, which will overwrite the settings set from the panel.

## Sensor

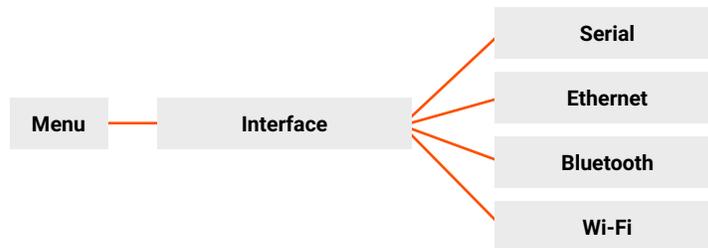
This option is used to calibrate the selected sensor. We recommend calibrate the sensor before printing when changing the media.



Item	Description	Default
<b>Auto Calibration</b>	Printer will feed 2 to 3 gap labels to calibrate the sensor sensitivity automatically.	N/A
<b>Manual Setup</b>	In case "Auto calibration" cannot apply to the media, please use "Manual setup" function to calibrate the sensor sensitivity.	N/A
<b>Threshold Detect</b>	This option is used to set sensor sensitivity in fixed or auto.	Auto
<b>Maximum Length</b>	This option is used to set the maximum length for label calibration.	254mm
<b>Advanced</b>	This function can set the minimum paper length and maximum gap/bline length for auto-calibrate the sensor sensitivity.	OFF

## Interface

This option is used to set the printer interface settings.



## Serial Comm.

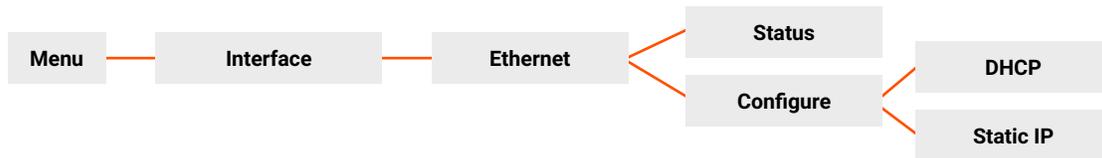
This option is used to set the printer RS-232 settings.



Item	Description	Default
<b>Baud Rate</b>	This item is used to set the RS-232 baud rate.	9600
<b>Parity</b>	This item is used to set the RS-232 parity.	None
<b>Data Bits</b>	This item is used to set the RS-232 Data Bits.	8
<b>Stop Bit(s)</b>	This item is used to set the RS-232 Stop Bits.	1

## Ethernet

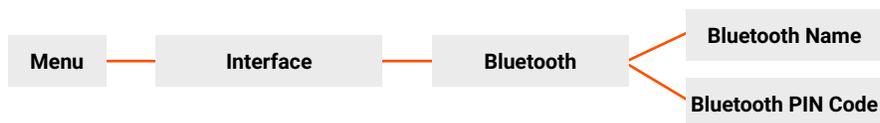
Use this menu to configure internal Ethernet configuration check the printer's Ethernet module status, and reset the Ethernet module.



Item	Description	Default
<b>Status</b>	Use this menu to check the Ethernet IP address and MAC setting status.	N/A
<b>DHCP</b>	This item is used to ON or OFF the DHCP (Dynamic Host Configuration Protocol) network protocol.	N/A
<b>Static IP</b>	Use this menu to set the printer's IP address, subnet mask and gateway.	ON

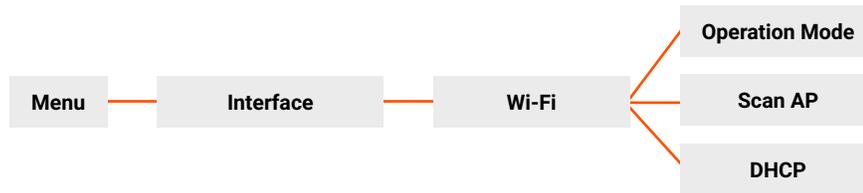
## Bluetooth

This option is used to set the printer bluetooth settings.



Item	Description	Default
<b>Bluetooth Name</b>	This item is used to set the local name for Bluetooth.	BT-SPP
<b>Bluetooth PIN Code</b>	This item is used to set the local PIN code for Bluetooth.	0000

## Wi-Fi



Item	Description	Default
<b>Operating</b>	This item is used to set the operating mode of wireless local area networks to connect devices to the networks. Note: Infrastructure mode requires the use of an access point for this communication to take place. Ad hoc mode involves connecting a computer directly to another computer.	Infrastructure
<b>Scan AP</b>	This item is used to scan the access point device	N/A
<b>DHCP</b>	This item is used to ON or OFF the DHCP (Dynamic Host Configuration Protocol) network protocol.	ON

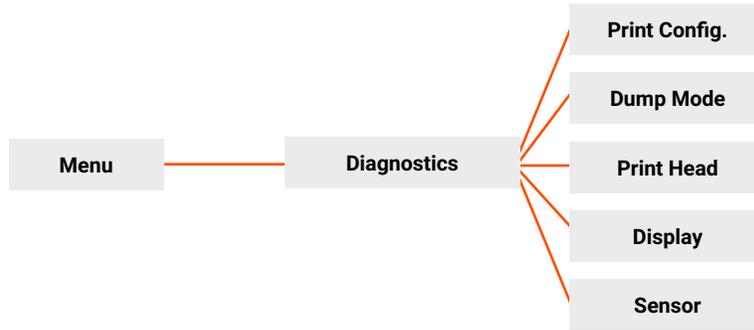
## File Manager

This feature is used to check the printer available memory and file list.



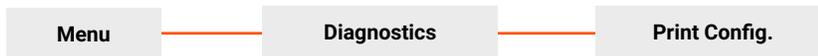
Item	Description
<b>DRAM</b>	Use this menu to show, delete and run (.BAS) the files saved in the printer DRAM memory.
<b>FLASH</b>	Use this menu to show, delete and run (.BAS) the files saved in the printer Flash memory.
<b>CARD</b>	Use this menu to show, delete and run (.BAS) the files saved in the printer Card memory.

# Diagnostics



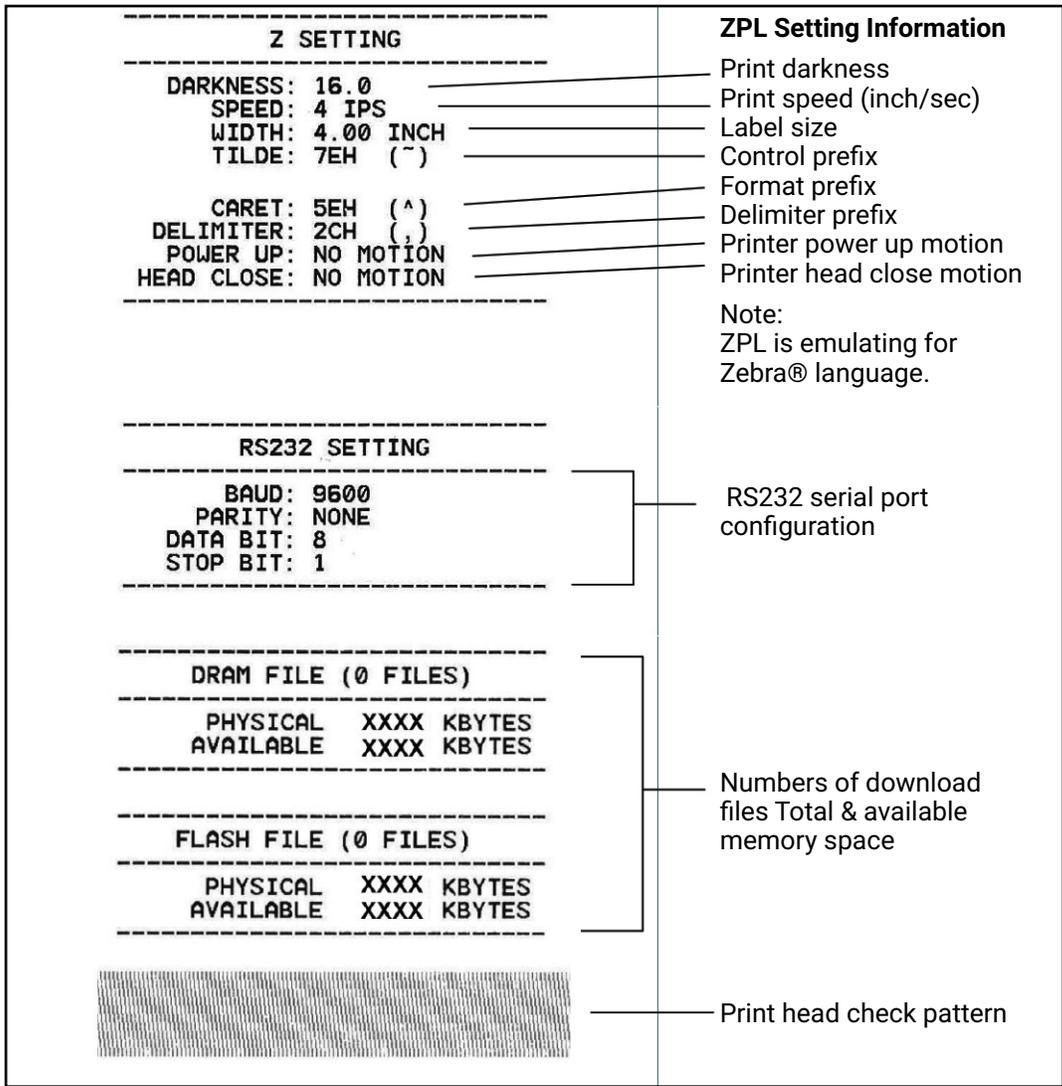
## Print Configuration

This feature is used to print current printer configuration to the label. On the configuration printout, there is a print head test pattern, which is useful for checking if there is any dot damage on the print head heater element.



## Self-test printout

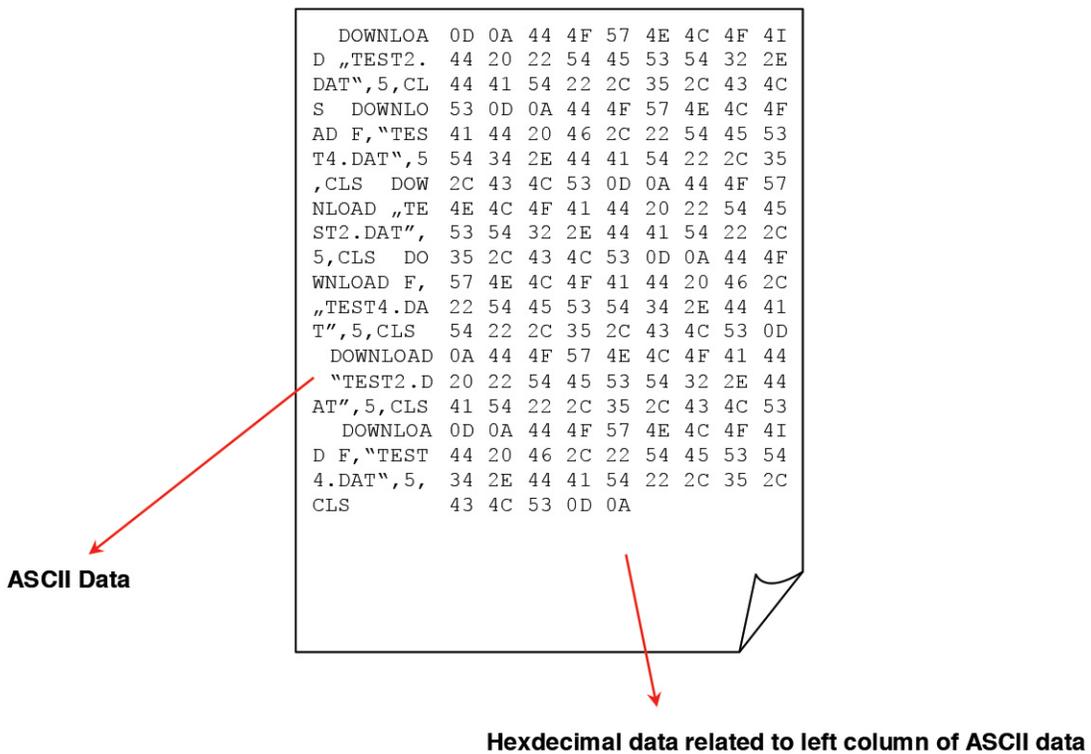
----- SYSTEM INFORMATION -----		
MODEL: XXXXXX		Model name
FIRMWARE: X.XX		F/W version
CHECKSUM: XXXXXXXX		Firmware checksum
S/N: XXXXXXXXXXXX		Printer S/N
TCF: NO		Configuration file
DATE: 1970/01/01		System date
TIME: 00:04:18		System time
NON-RESET: 110	m (TPH)	Printed mileage (meter)
RESET: 110	m (TPH)	
NON-RESET: 0	(CUT)	Cutting counter
RESET: 0	(CUT)	
----- PRINTING SETTING -----		
SPEED: 5	IPS	Print speed (inch/sec)
DENSITY: 8.0		Print darkness
WIDTH: 4.00	INCH	Label size (inch)
HEIGHT: 4.00	INCH	Gap diestance (inch)
GAP: 0.00	INCH	Gap/black mark sensor
INTENSION: 5		intention
CODEPAGE: 850		Code page
COUNTRY: 001		Country code
-----		



Note: Checking dot damage requires 4" wide paper width.

## Dump Mode

Captures the data from the communications port and prints out the data received by printer. In the dump mode, all characters will be printed in 2 columns. The left side characters are received from your system and right side data are the corresponding hexadecimal value of the characters. It allows users or engineers to verify and debug the program.



Note: Dump mode requires 4" wide paper width.