

TOOLS APPLICATION MANUAL

Ver. 01





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1. INTRODUCTION



The SX-TLP-410 printer is a thermal label printer that offers printing quality, reliability and efficiency, easy operation and excellent cost-benefit, widely used in supermarkets, clothing stores, gifts, cosmetics, jewelry, distributors, wholesalers and industries in general.



This manual provides information on using the SX-TLP-410 label printer configuration application.

1.1. Warnings

The printer must be ready before using the configuration application. For that:

- Confirm that the printer is connected to power and turned off.
- Insert the communication cable corresponding to the printer interface.
- Confirm that a roll of paper is loaded in the printer.
- Turn on the printer.
- Check if the printer driver is installed in Windows (see your printer User Manual).

2. TOOLS APPLICATION

The SX-TLP-410 label printer has a Windows application that allows you to configure various features available on the printer, such as:

- Updating the printer's firmware (internal command software).
- Label parameters.
- Self-test printout.
- Audible signals.
- Ethernet, serial communication interfaces, among others.

The configuration application, as well as other tools for the SX-TLP-410 printer, can be found on the website <u>www.solux-tech.com.br/en</u>.

2.1. Minimum Usage Requirements

The computer where the configuration application will be used must contain at least a 1.1GHz processor and 2GB RAM with Windows operating system, being compatible with Windows 98, 2000, NT, XP, 7, 8, 10 and 11 versions.

2.2. Running the Tools Application

After downloading from the website and unzipping, locate the *"LabelPrinterTool.exe"* file and run it by double-clicking on it or its icon.





If the message "Do you want to allow this application to make changes to your device?" appears after executing the file, click "Yes" to proceed with the installation of the spooler driver.

The following screen will appear:

٥	LabelPrinterTool v1.72				– 🗆 X	
	Ommunication with pr	inter				
	O Port:	COM1:	~	Config Port		
	O Printer Driver:	Fax	~			
	List of Printers					
	Label Printer				Add Printer	
					Delete Printer	
					Connection Test	
	s	et Printer		Download		

Select the printer communication interface installed in Windows and click the **"Connection Test"** button to test the connection with the printer. If the printer emits a "beep" and displays the message **"Connection Successful"** it means that the connection with the communication interface is correct and ready for use, otherwise review and select the correct interface.



2.3. Displaying Printer Information

After successful connection testing with the printer, mentioned in the previous topic, it is possible to display some information currently recorded on the printer, such as the serial number, firmware version, configured label information, among others.

To do this, simply click on the "Show Printer Info" button.

The following screen will be displayed:

te	er Infomation		
	Priter Type:	LabelPrinter	
	Printer Serial Number	4061082116390011	
	Firmware Version	A42P0C2D1E1 V1 11 2021 11 20	
	Printware version:	A4380C2D1F1_V1.112021-11-29	
	Printer Print Length:	11,33 (m)	
	Printer Status:	Ready	
	Print Type:	Thermal	
	Automatic position when power on:	Enable	
	Label Height:	150 mm	
	Paper Type:	Receipt	
	Reprint when error:	Enable	
	Prevent Glue Paper:	Disable	
	Special Label:	Enable	
	Print Speed:	7	
	Darkness Setting:	8	
	Horizontal Origin:	0	
	Vertical Origin:	0	
	Print To Stop:	0	

2.4. Updating the Printer Firmware

If there is a need to update the printer's firmware (internal command software), simply follow these steps:

1) Click on the **"Download"** button.

LabelPrinterTe	ool v1.72					-		Х
Communication	on with printe	·						
O Port:		COM1:	\sim	Config Po	rt			
O Printer Dri	iver:	Fax	\sim					
List of Printer	s							
Label Print	er					Add Prin	ter	
						Modify Pr	inter	
						Delete Pri	inter	
					(Connectior	n Test	
					S	how Printe	er Info	
	Set Pr	inter		Dow	nload			

2) On the screen that appears, locate and select the binary file (".bin") provided by the Solux Tech do Brasil factory and click the **"Update"** button.

Download		×
Program Character Library		
Select A Printer Firmware:		
D:\Solux-Tech\Equipamentos\Impressoras\Etiqueta Modelo TLP-410\Firmware TSC\RT-SZ-RP	Select Firmware	
Update 5		

The printer's "Power LED" will go out and the **"Set Success"** message will be displayed informing you that the update was successful. The printer's "Power LED" will then light up.

To check if the update worked, simply click on the **"Show Printer Info"** button, where new information saved on the printer will be displayed.

3. PRINTER CONFIGURATION



To start configuring printer parameters, simply click the **"Set Printer"** button. The following screen will be displayed:

Set P	rinter											\times
	Printer	Parameter Setting	Location	Test	PRN Pr	int User D	Def	Ethernet	Serial	Wifi	Bli ⁴ ►	
		Print Type:				Thermal		\sim				
		Automatic position	when pow	er on:		Enable		~				
		Label Height:				150	_	(30-400)n	nm			
		Paper Type:				Receipt		\sim				
		Reprint when error	:			Enable		~				
		Special Label:				Enable		~				
		Print Speed:				7		~				
		Darkness Setting:				8		~				
		Horizontal Origin:				0	_	(0-89)				
		Vertical Origin:				0	_	(0-89)				
		Print To Stop:				0	_	(-127-127	Ŋ			
		Prevent Glue Paper	r:			Disable		\sim				
				After prir	nting	0	_	After prin	ting			
				5	Set							
_			_	_	_		_		_	_		_

3.1. Tab "Printer Parameter Setting"

In this tab, we have the following settings:

Option	Function
Print Type	Sets the printer type to "Thermal" or "Ribbons".
Automatic position when	Enables (Enable) or disables (Disable) the automatic
power on	positioning of the label when turning on the printer.
Label height	Maximum label height between 30 to 400 mm.
Dapar tupa	Defines the type of paper/reel used, between "Receipt"
Рарег туре	(continuous), "Label" (label) and "Black Mark".
Reprint when	Enables (Enable) or disables (Disable) label reprinting if an
Error	error occurs.
Special label	Enables (Enable) or disables (Disable) special label patterns.
Print Speed	Sets the print speed between 0 and 9.
Darkness	Sate the print density between 0 and 15
setting	Sets the print density between 0 and 15.
Horizontal	Sets the print initial horizontal position adjustment between 0
Origin	and 89 points.

Vertical Origin	Sets the print initial vertical position adjustment between 0 and 89 points.
Print To stop	Locates the regular paper cut positions (takes the paper cut position as the zero point).
Prevent Glue Paper	Enables (Enable) or disables (Disable) the paper jam check.

3.2. Tab "Location"

In this tab, it is possible to calibrate the label reader, where:

- *Label Auto Learn*: When you click on this option, the printer recognizes the label, positioning it at the beginning of printing.
- *Lear*: When you click on this option, the printer calibrates the warning for lack of paper.

Set P	rint	ter									×
	Pri	inter Parameter Setting	Location	Test	PRN Print	User Def	Ethernet	Serial	Wifi	Bh◀►	
		Label Auto Learn:			Learn	L.					
		Learn			Learn	1					
		AD Value:			Select AD	Value					

3.3. Tab "Test"

In this tab, it is possible to perform printing tests, as well as enable the command "dump" mode (specific to identify which instructions are being sent by the commercial application).

Set Printer			×
Printer Parameter Setting Location	Test PRN Print U	ser Def Ethernet Serial W	/ifi Bli ◀ ▶
Dump Mode:	Disable \vee	Set	
Set	Normal	Check	
SelfTest	Pr	rint Text Test	
43			

 Dump Mode: Enables (Enable) or disables (Disable) debug mode. If enabled, all printing sent will be output in hexadecimal command format, used to analyze the data received by the printer. Click the "Set" button to configure the printer.

By turning the printer off and on, Dump mode returns to the printer's default Disable mode.

- **Set:** By clicking the "Check" button, it is possible to detect bad spots on the print head. The number of bad points detected will be displayed on the screen, otherwise "Normal" will be displayed.
- **Self Test:** By clicking this button, you can print a printer self-test, where various configuration information is displayed.
- Print Text Test: By clicking this button, you can print any text.

nt Text Test			
Diagon optor toxt you pood prints			
Print Text Test			
Setting the print area use label			
Printable Width: 50 mm	Printable Height: 30 mm	Print	Exit
		5	

Enter a text to be printed, define the label printing area and click the **"Print"** button.

3.4. Tab "PRN Print"

In this tab, it is possible to send a ".prn" file to the printer containing native printer commands or ZPL commands, previously updated on the printer (see item "2.4 - Updating the Printer Firmware").

Set Pri	nter									\times
_										
F	Printer Parameter Setting	Location T	Fest	PRN Print	User Def	Ethernet	Serial	Wifi	Bli	
	Select A PRN File:									
	mentos\Impressoras\E	tiqueta Model	lo TLP-4	410\Firmwa	re ZPL\teste	e.prn	Se	elect File		
				Print						
					~					

To do this, locate and select the ".prn" file and click the "Print" button.

3.5. Tab "User Def"

In this tab, you can make the following settings:

Option	Function
	Enables (Enable) or disables (Disable) the beep that is emitted
Веер	by the printer when some parameterization is carried out or if
	there is an error.
	Defines the command protocol that the printer will receive
Command type	from the commercial application, between "Label Command"
	and "ESC/POS".
	Defines the command format between native (TSC) or others.
Command type	NOTE: The available formats are TSC or ZPL (see item "2.4 -
	Updating the Printer Firmware").
Paper width	Not available.

Restore factory	By clicking this button, the settings will be restored to factory
settings	settings.

3.6. Tab "Ethernet"

In this tab, you can configure the printer's network interface, using a fixed IP or assigning an IP from the DHCP network.

			USER DEL COM	Jenar Vill	
○ IP	DHCP				
IP:	192 . 168 .	1 . 87 Pc	ort: 9100	Set	
Sub Mask:	255 . 255 . 2	.55 . 0			
GateWay:	192 . 168 .	1 . 1			
DHCP:	Enable			~	
		Set			
MAC:	00 00	00 00	00 00	Set	

To check which IP address was assigned to the printer, simply turn it off, hold down the "Power" button (top button) and turn it on. A self-test will be printed with the information.

It is important that the Windows printer driver has been installed with the Ethernet interface for all these settings to be carried out successfully (see the User Manual).

3.7. Tab "Serial"

In this tab, you can configure the parameters of the printer's serial interface.

Prin	nter Parameter Setting Lo	ocation Test	PRN Print	User Def	Ethernet	Serial	Wifi	Blı ⁴ ►
	Baud rate:	19200				~		
	Number of data bits:	8 bits				\sim		
	Parity:	None				\sim		
	Number of data	1 bit				~		
	Hand shake:	None				\sim		
			Set					
				3				

It is important that the Windows printer driver has been installed with the Serial interface for all these settings to be carried out successfully (see the User Manual).

3.8. Tab "CodePage"

A

In this tab, it is possible to define in the list which character table will be used between the commercial application and the printer.

rinter										Х
Test	PRN Print	User Def	Ethernet	Serial	Wifi	Bluetooth setting	CodePage		• •	
Code Page: CP850 [Multilingual]										
	-			-			<u><u>x</u></u>	2		
	Test Cod	Test PRN Print Code Page:	Test PRN Print User Def	Test PRN Print User Def Ethernet Code Page: CP850 [Multiling	Test PRN Print User Def Ethernet Serial Code Page: CP850 [Multilingual]	Test PRN Print User Def Ethernet Serial Wifi Code Page: CP850 [Multilingual]	Test PRN Print User Def Ethernet Serial Wifi Bluetooth setting Code Page: CP850 [Multilingual]	Test PRN Print User Def Ethernet Serial Wifi Bluetooth setting CodePage Code Page: CP850 [Multilingual]	Test PRN Print User Def Ethernet Serial Wift Bluetooth setting CodePage Code Page: CP850 [Multilingual] Set Set Set	Test PRN Print User Def Ethernet Serial Wiff Bluetooth setting CodePage • • Code Page: CP850 [Multilingual] • Set