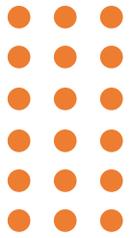


Thermal Label Printer

SX-TLP-410



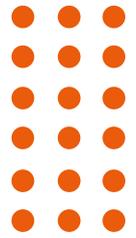
TOOLS APPLICATION MANUAL

Ver. 01



Automate your business to grow quickly, safely and efficiently. **Come with Solux.**

Summary



1. Introduction.....	3
1.1. Warnings	3
2. Tools application	3
2.1. Minimum Usage Requirements.....	3
2.2. Running the Tools Application.....	4
2.3. Displaying Printer Information	5
2.4. Updating the Printer Firmware.....	5
3. Printer configuration	7
3.1. Tab " <i>Printer Parameter Setting</i> "	7
3.2. Tab " <i>Location</i> "	8
3.3. Tab " <i>Test</i> "	8
3.4. Tab " <i>PRN Print</i> "	10
3.5. Tab " <i>User Def</i> "	10
3.6. Tab " <i>Ethernet</i> "	11
3.7. Tab " <i>Serial</i> "	11
3.8. Tab " <i>CodePage</i> "	12

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.



Please carefully read the information described in the User Manual before operating the printer.

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.

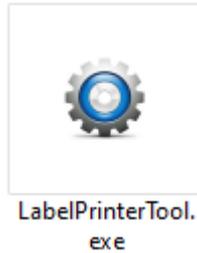
The configuration application, as well as other tools for the SX-TLP-410 printer, can be found on the website www.solux-tech.com.br/en.

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.

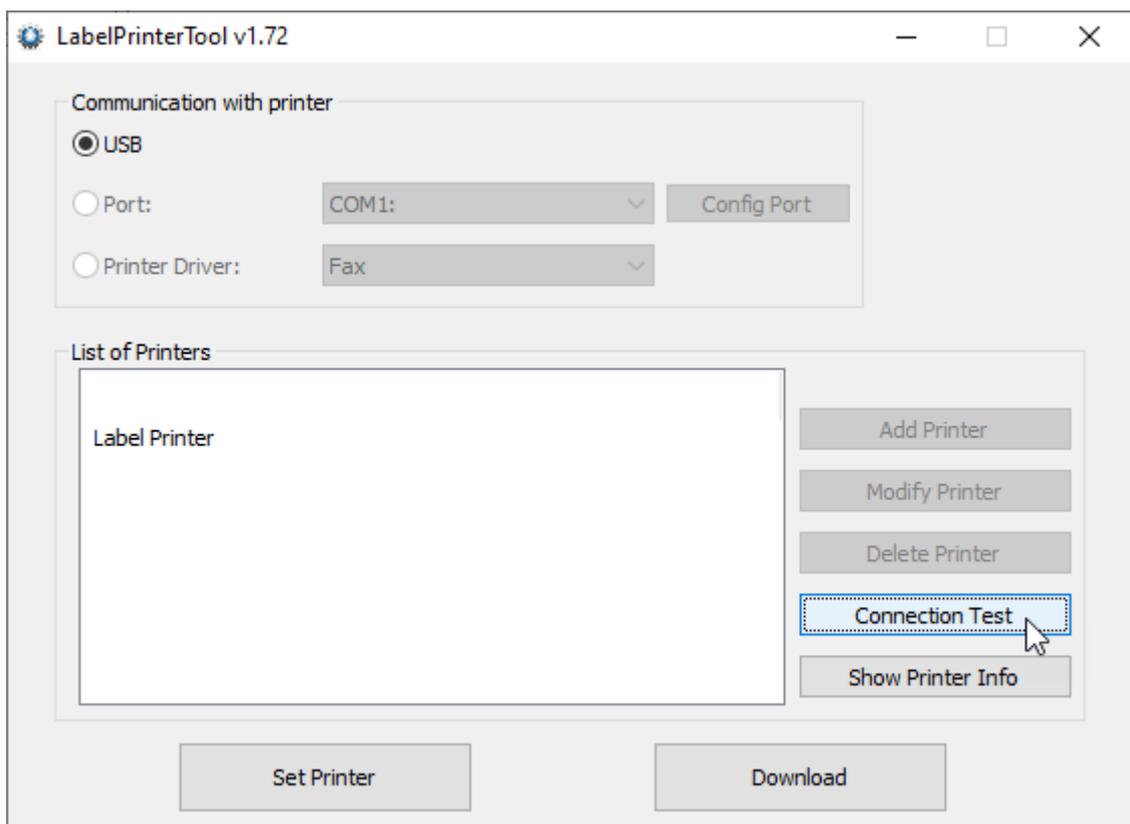
2.2. Running the Tools Application

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:



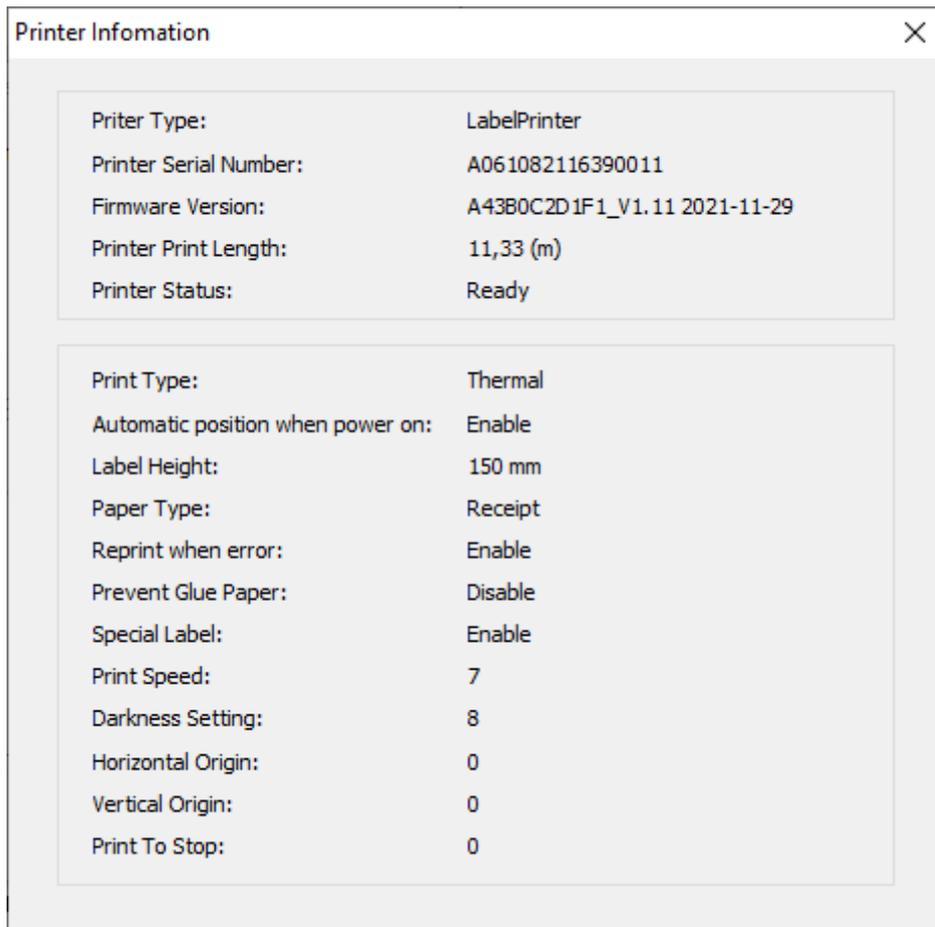
Select the printer communication interface installed in Windows and click the "Connection Test" button to test the connection with the printer. If the printer emits a "beep" and displays the message "Connection Successful" it means that the connection with the communication interface is correct and ready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

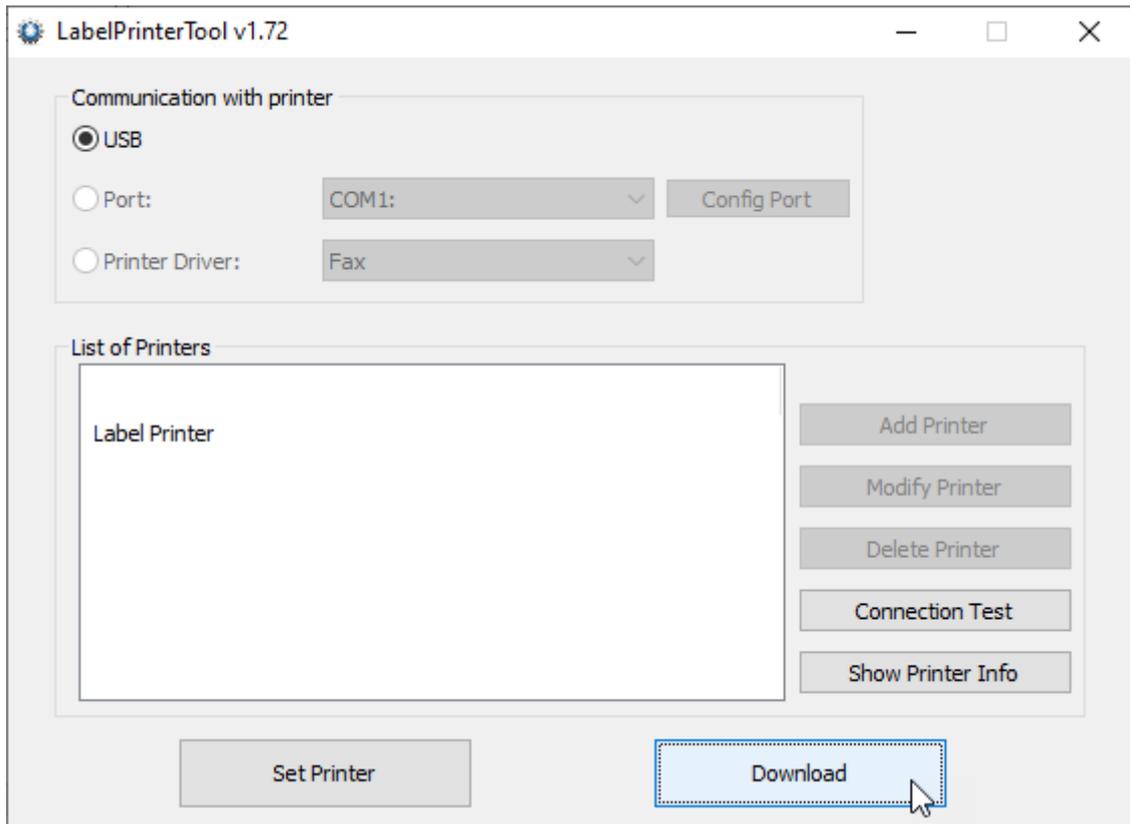
The following screen will be displayed:



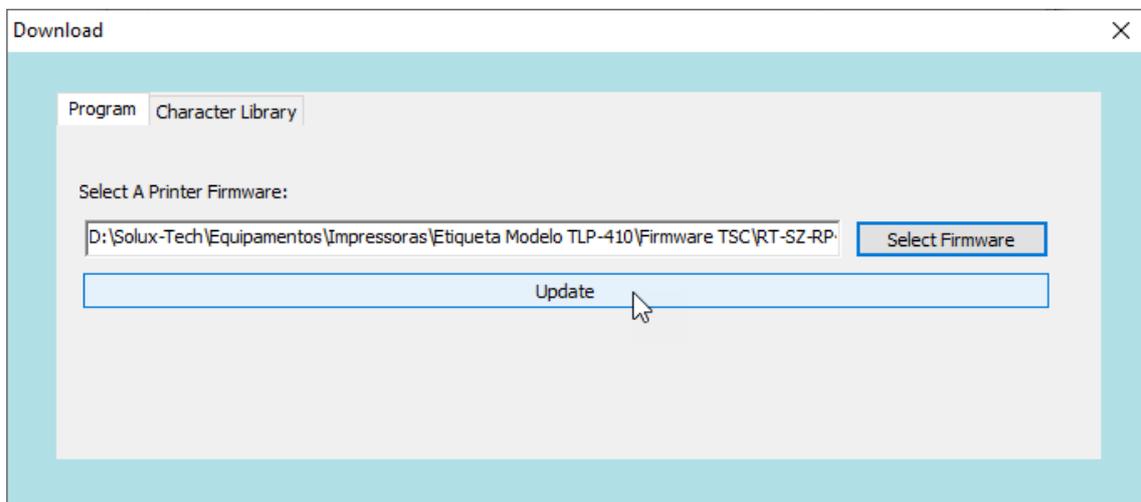
2.4. Updating the Printer Firmware

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

- 1) Click on the **“Download”** button.



- 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.



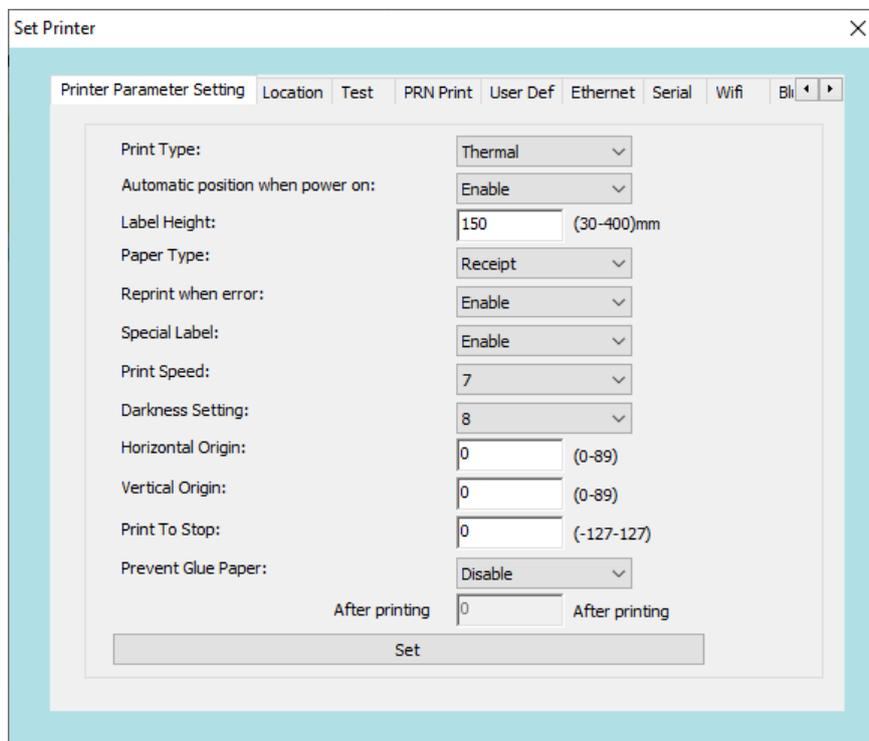
The printer's "Power LED" will go out and the **"Set Success"** message will be displayed informing you that the update was successful. The printer's "Power LED" will then light up.

 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:



3.1. Tab *“Printer Parameter Setting”*

In this tab, we have the following settings:

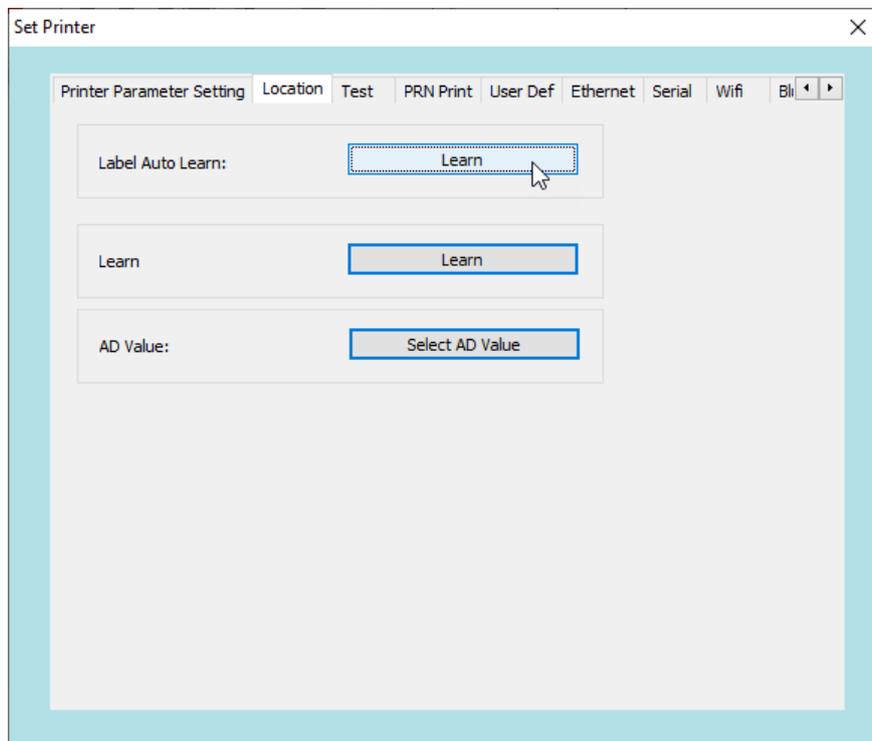
Option	Function
Print Type	Sets the printer type to “Thermal” or “Ribbons”.
Automatic position when power on	Enables (Enable) or disables (Disable) the automatic positioning of the label when turning on the printer.
Label height	Maximum label height between 30 to 400 mm.
Paper type	Defines the type of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

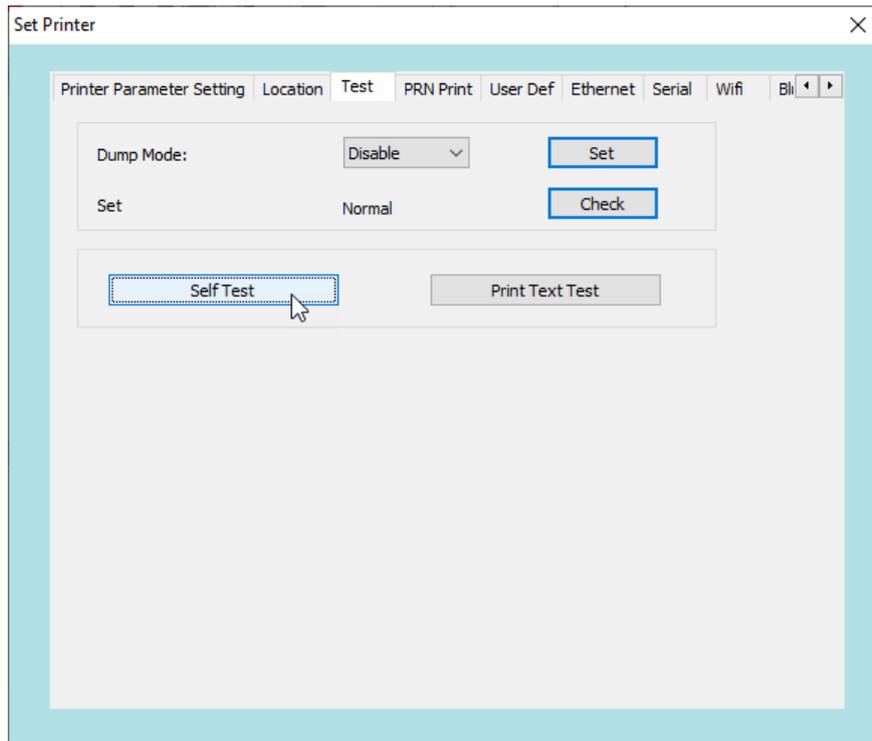
In this tab, it is possible to calibrate the label reader, where:

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



3.3. Tab "Test"

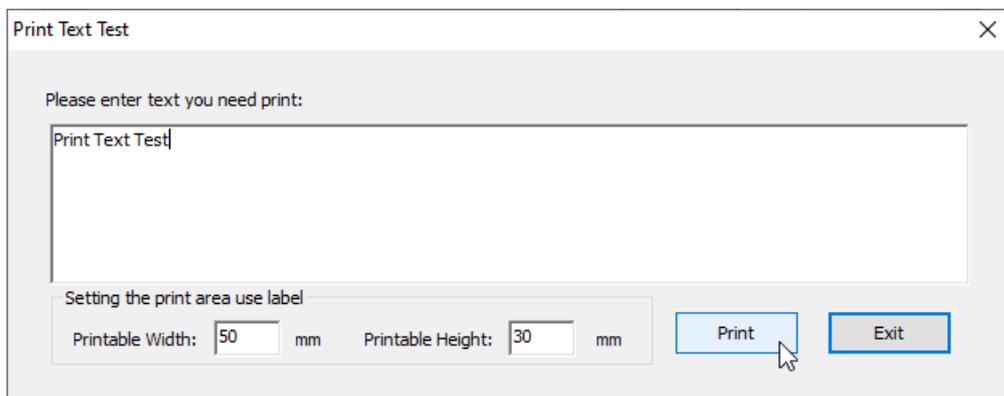
In this tab, it is possible to perform printing tests, as well as enable the command "dump" mode (specific to identify which instructions are being sent by the commercial application).



- **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.

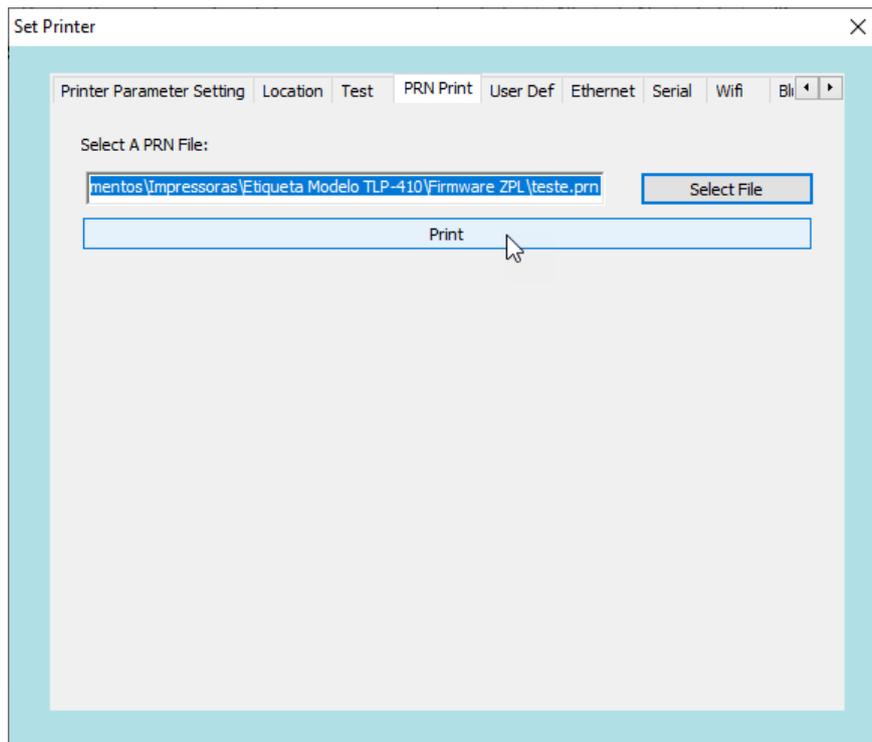


Enter a text to be printed, define the label printing area and click the **“Print”** button.

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”**).

To do this, locate and select the “.prn” file and click the **“Print”** button.



3.5. Tab **“User Def”**

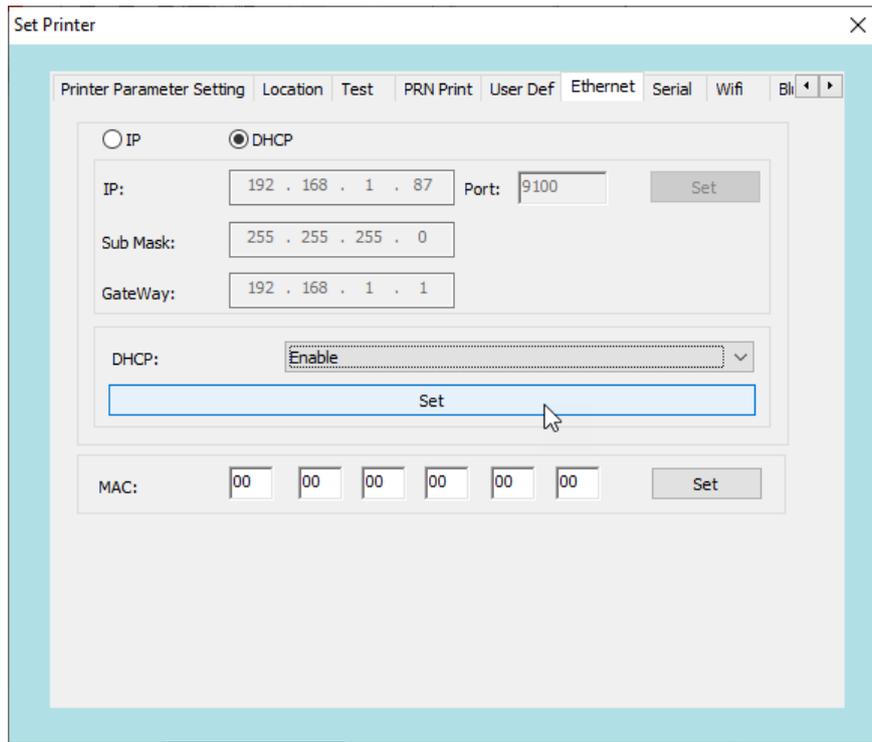
In this tab, you can make the following settings:

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

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



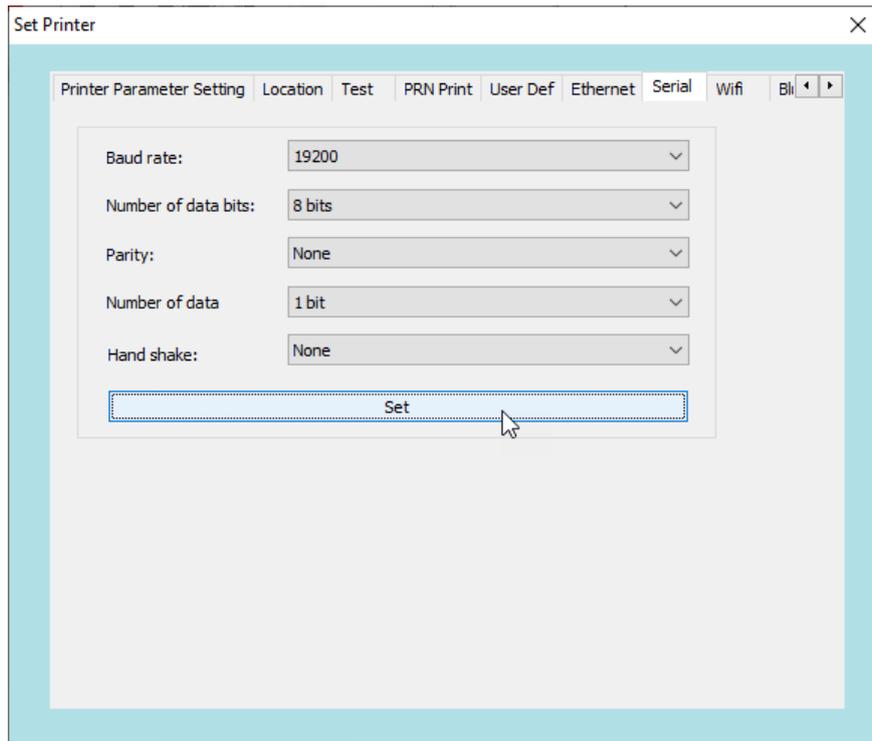
To check which IP address was assigned to the printer, simply turn it off, hold down the "Power" button (top button) and turn it on. A self-test will be printed with the information.



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.



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"

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

