

一、 Manual

This manual mainly provides printer function selection, modification of operation etc.

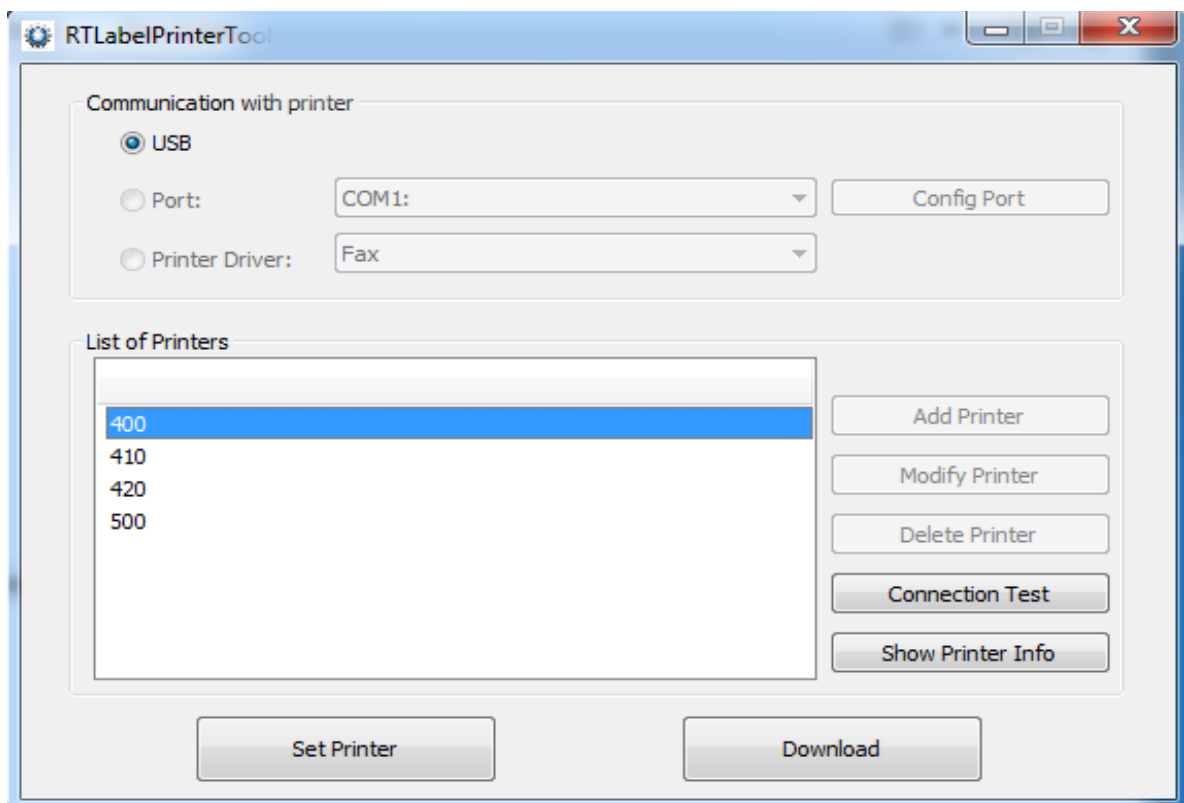
二、 Instruction

Steps before using printer setting-up:

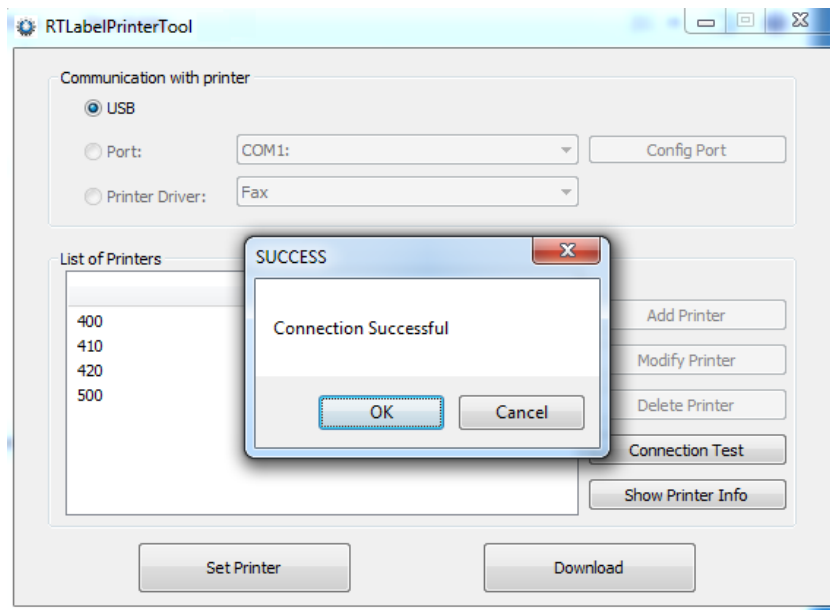
- Make sure printer connected and under shutdown
- Connect printer and other device with cables
- Paper roll is installed
- Switch on the power

2.1 Test for connection

Run the tool  as below:

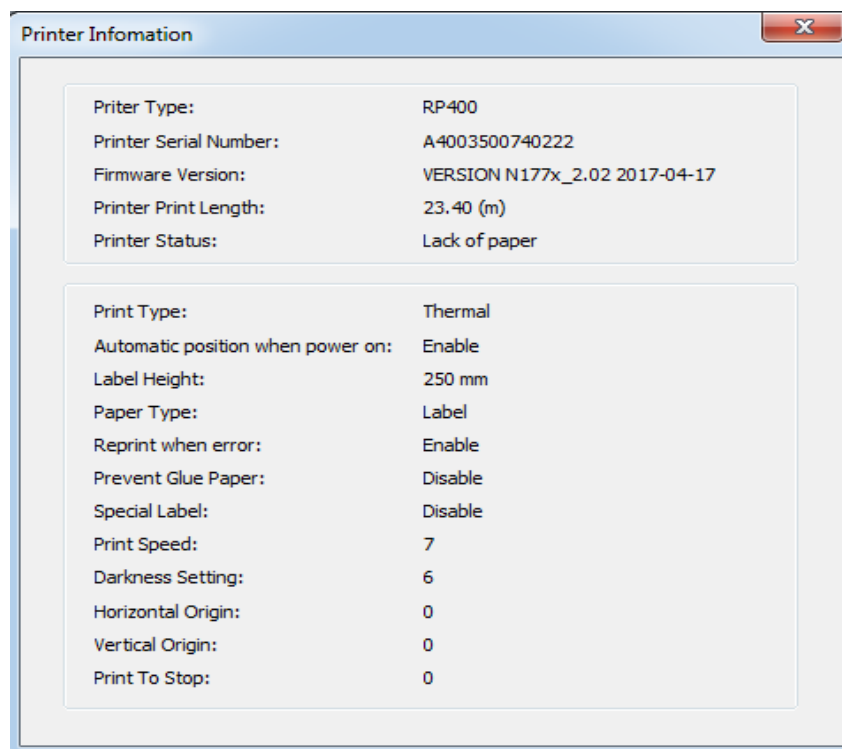


Connect printer with USB or other ports you have, then click Connection Test and done successfully as below picture. Otherwise please install communication cable and test the printer communication.



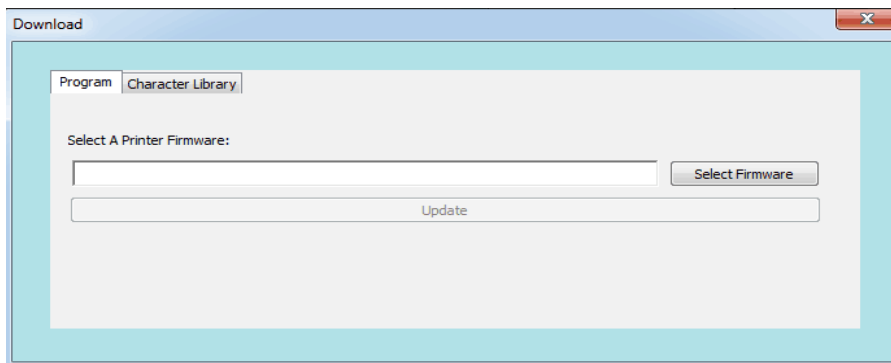
2.2 Show Printer Info

Click Show Printer Info, to check the printer basic info.

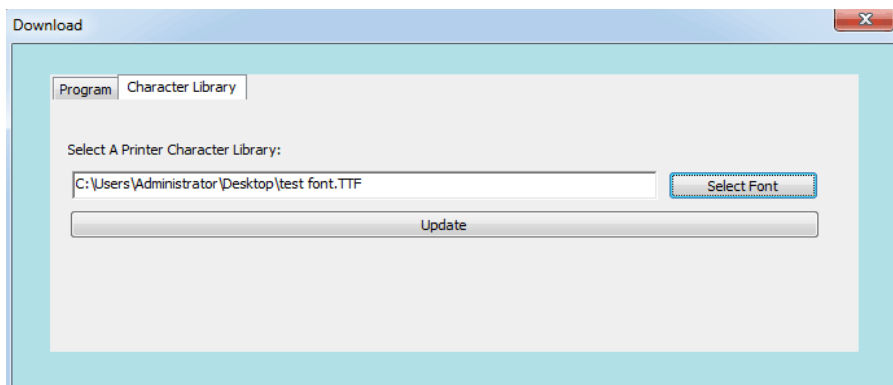


2.3 Download

If the printer firmware version is too old or nonideal, please click Download as below. Then go for Program and upload it. Finally update. The printer light will be off for about 3s and enter into power on automatically, 1pcs paper feeding. The firmware version can be double confirmed in the Printer Information.



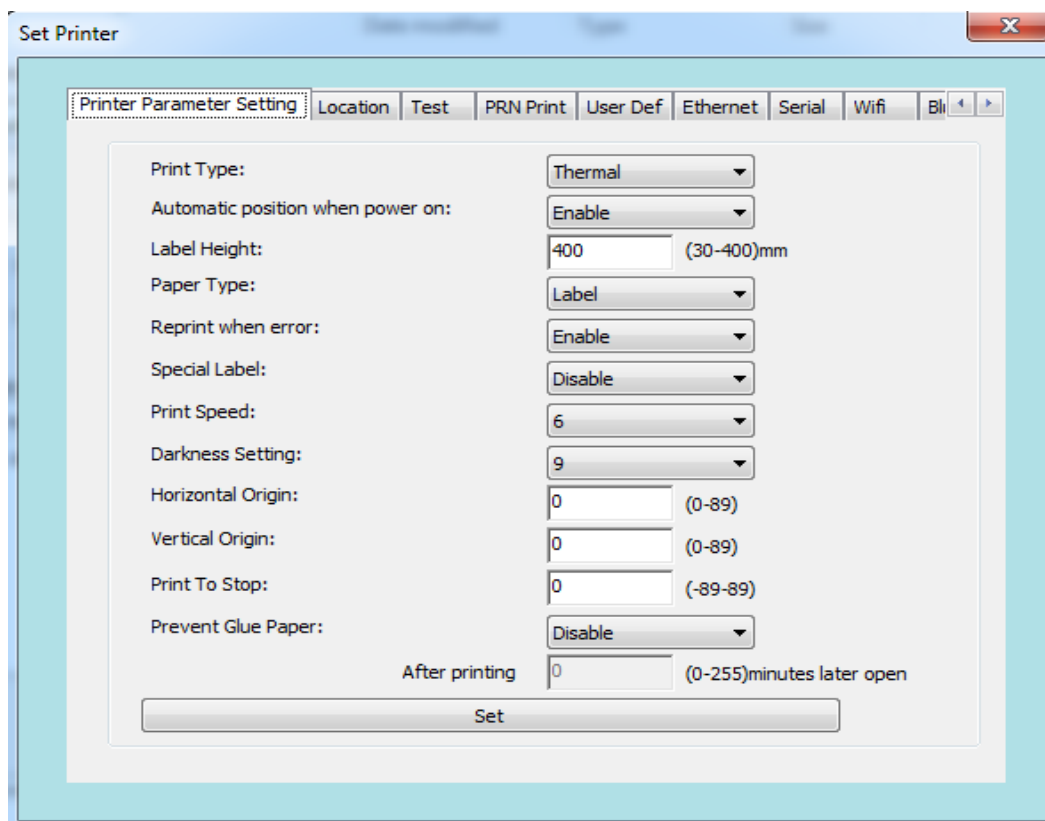
If the user want to change the font of by themselves, you can choose "Font", click "open a file" to choose typeface and then click update to until the "beep".



2.4Printer Setting-up

2.4.1 Print setup

Switch to the printer parameter setting to change the basic parameters.

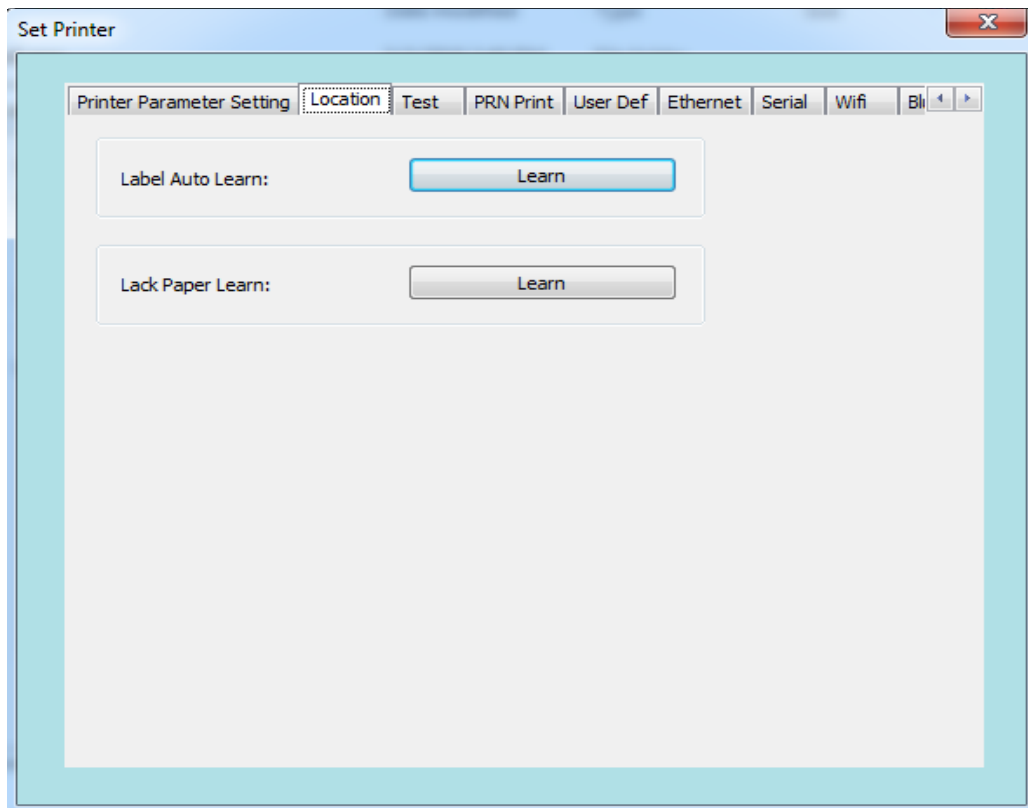


Function details are as follows:

submenu	description	Parameter description (in agreement with the description of the parameter)	Windows default
print Type	Thermal, ribbon	0~1	1
Automatic position when power on	Yes/No	0~1	1
Label height	Maximum height of label	30~400mm (Two bytes)	400
Paper type	Continuous paper, label paper, black label	0~2	1
Reprint when error	Yes/No	0~1	1
Prevent Glue paper	Stop printing 255 minutes later	0~1	0
Special label	Yes/No	0~1	0
Print Speed	Set print speed	0~9	5
Darkness setting	Set print concentration	0~15	8
Horizontal Origin	Adjust the print start position	Adjust the horizontal starting point (00~ 89).	0
Vertical Origin	Adjust the vertical coordinates of the print start position.	Adjust the vertical start coordinate option: 00~ 89	0
Print To stop	Positioning of the conventional, tearing paper and cutting knife position (in order to tear paper position is zero)	Set the tab stop position option: -89~ 89	0

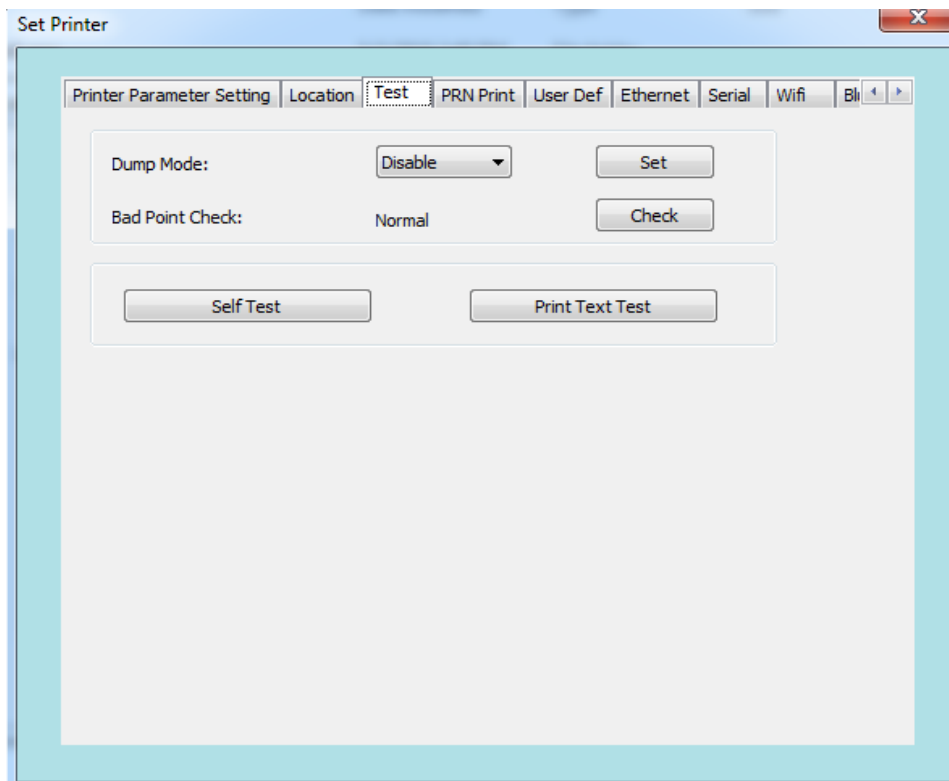
2.4.2 Location

When the printer is all set. Switch to the Location interface (as shown below). Click the learn, can go into label auto learn.



2.4.3 Printing Test

Switch to the Test interface as below images.



- a. Debug Mode: Defaults to off. The printer will print the sending raw data when debug mode is open, it is convenient to us check the error.
- b. Bad Point Check: When the printer is all set, click **【check】** can inspect the print mechanism if ok or not. If in error, it will appear the number of bad like below images:

Bad Point Check:	Number Of Bad	<input type="button" value="Check"/>
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- c. Self Test: On the initial printer installation or the printer have some issues, can click the **【Self Test】** for confirm the firmware version, printer parameter settings, print quality and external device relate setting information etc.
- d. Print text test: Print words you expect in text as below images, and set the print area use label. Click **【Print】** for testing.

Print Text Test

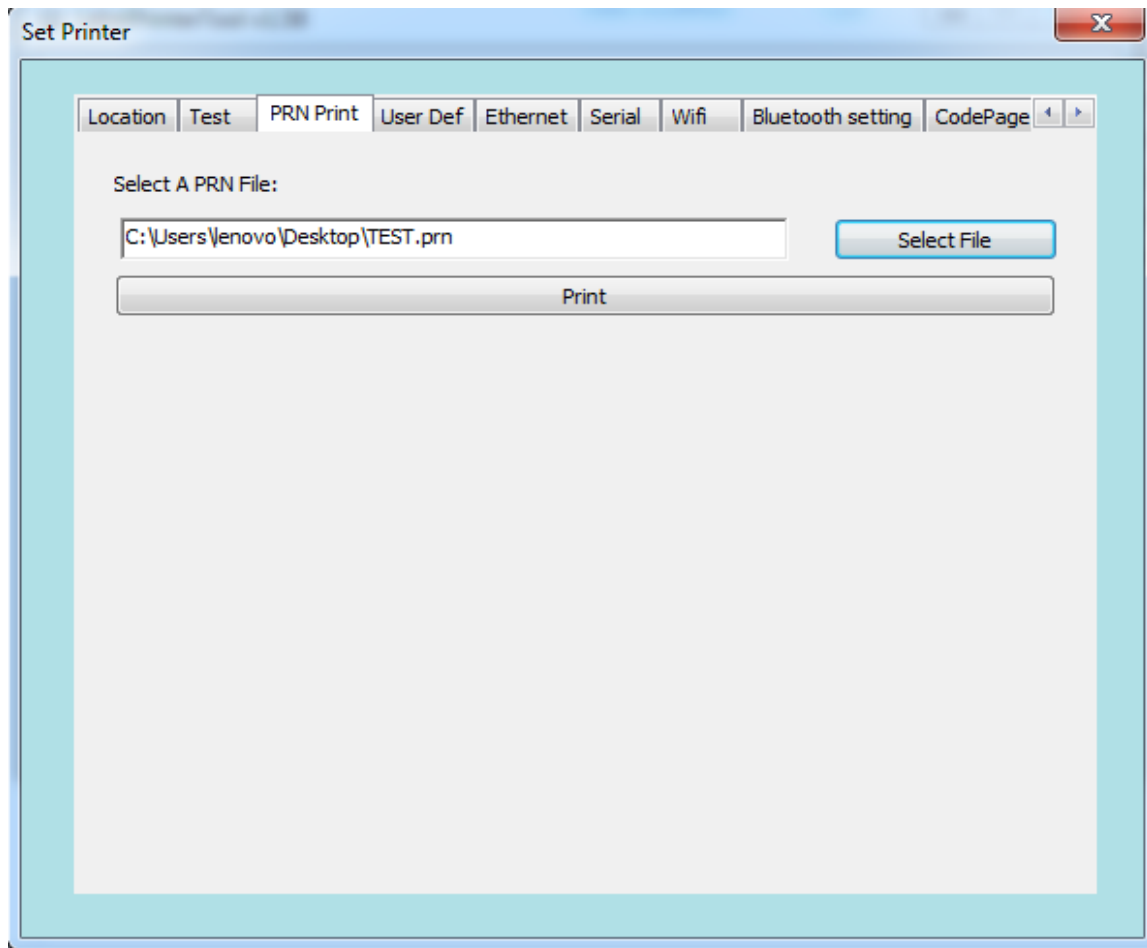
Please enter text you need print:

Print Text Test

Setting the print area use label
Printable Width: mm Printable Height: mm

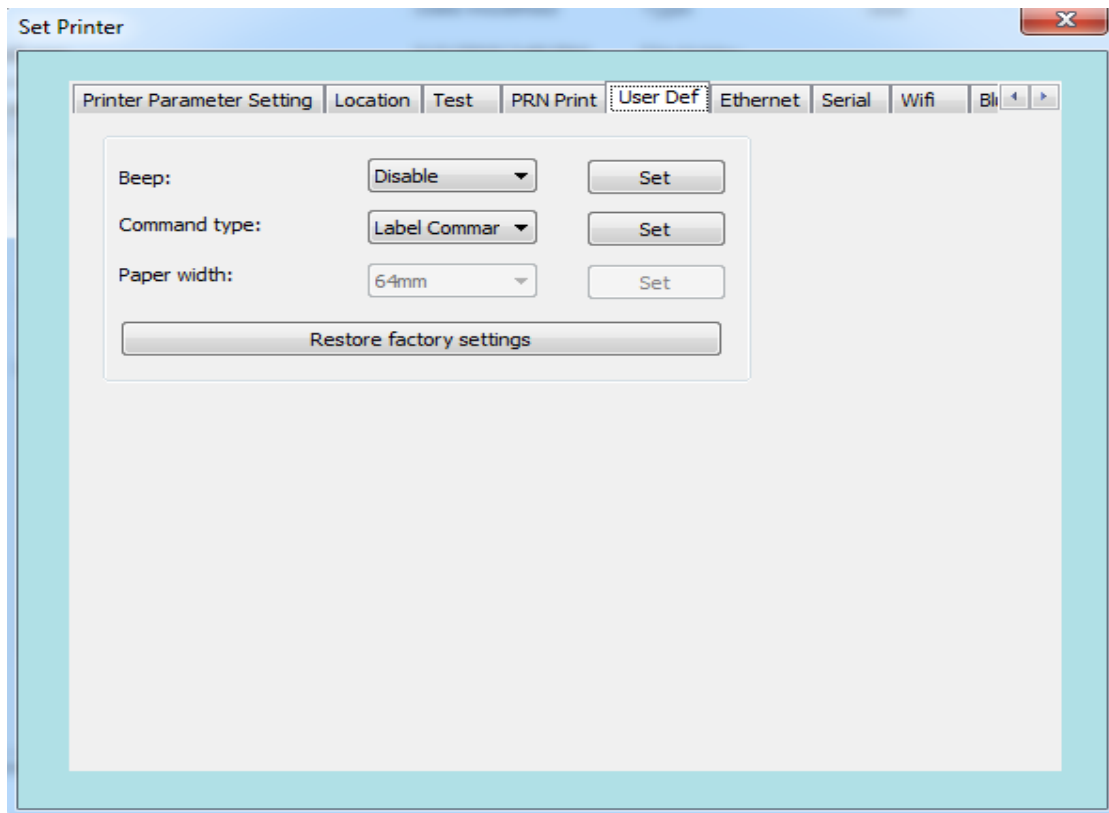
2.4.4 PRN Print

Click on open the file, select PRN File, see as below. Click on print, you can print the PRN files.



2.4.5 User Def

Switch to the user Def interface (as shown below), can be set to open the buzzer sound and close or restore the printer's factory default settings.



Function:

Submenu	Description	Parameter (Parameter sequence the same with description)	Default
Beep	Change the sound of Buzzer	ON, OFF, 0 ON, 1 OFF	0
Restore factory setting	Reset printer back to the factory default settings		None

2.4.6 Ethernet

1. Set the IP address of the printer, change to "192.168.1.87", and set up the communication port.
2. Set the subnet mask of the printer, change to "255.255.255.0".
3. Set the printer gateway to "192.168.1.1".
4. Set the printer function of DHCP, the DHCP default printer is closed, if you need to open, let the printer automatically obtain an IP address.
5. Set the MAC address, and the network transmission rate of setting.

The screenshot shows the 'Set Printer' dialog box with the 'Ethernet' tab selected. The 'Printer Parameter Setting' sub-tab is active. Under the 'IP' radio button, the IP address is set to '192 . 168 . 1 . 87', the Sub Mask to '255 . 255 . 255 . 0', and the GateWay to '192 . 168 . 1 . 1'. The Port is set to '9100'. The DHCP dropdown menu is set to 'Disable'. The MAC address is shown as six '00' boxes. A 'Set' button is located next to the IP address field, and another 'Set' button is next to the MAC address field.

2.4.7 Serial setup

Switch to serial port settings can set the serial port parameters.

The screenshot shows the 'Set Printer' dialog box with the 'Serial' tab selected. The 'Printer Parameter Setting' sub-tab is active. The Baud rate is set to '19200', the Number of data bits to '8 bits', the Parity to 'None', the Stop bits to '1 bit', and the Hand shake to 'None'. A 'Set' button is located at the bottom of the settings area.

2.4.8 WIFI

If the printer is equipped with Wifi function, setting Wifi technical parameter is required.

2.4.8.1 Wireless router setup instructions

1.The custom router's wireless settings SSID name, that is, the name of the wireless router.

2.Wireless network security settings.

(1)Can be used "do not open wireless security";

(2)For encryption, it is recommended to use the WPA-PSK/WPA2-PSK method, the authentication type can choose "automatic", "WPA-PSK", "WPA2-PSK" one of them, and the encryption algorithm proposed using AES.PSK password can be defined by its own settings.

(3)Wireless network security settings, you can also use WEP type, the type is not recommended. Must be such as using this type of certification, the certification type can choose "automatic", "open system", "shared key" one, the WEP key format, please choose "ASCII", passwords can be custom input.

2.4.8.2 WIFI printer parameter settings description

1. Open the CD-ROM attached to the integrated set tool "PrinterTool".

2. In accordance with the set of instructions, the first to ensure that the connection on the printer.

3. Open the settings tool, select "WIFI".

4. Enter the printer to connect the SSID (that is, the name of the radio), as well as the corresponding model.

5. Enter the wireless encryption type, and enter the WIFI password, as shown in Figure: for example to add wireless "rdhz", password encryption type WPA-PSK, and enter the wireless password, click "Settings".

6. Click "Settings", the printer will print out a set of radio parameter, please print a self-test page, view the print out of radio parameters with router alignment, such as the right, please wait patiently, the printer will within 1 minute, connected to a wireless network. Such as print out the radio parameters and router inconsistencies, please re set, repeat the above steps.

Note: printer factory default IP address is 192.168.1.87. If the printer's IP address and the wireless router IP address is not the same as a segment and need to set the printer IP address to the address of the printer's IP address and router in a network segment. Set a specific IP address, please reference 2.4.5 "Ethernet" setting.

The screenshot shows a 'Set Printer' window with a 'Wifi' tab selected. The 'SSID' field contains 'rdhz' and the 'Mode' dropdown is set to 'STA'. Below this, the 'OPEN(No Keys)' option is unselected. The 'WPA-PSK/WPA2-PSK' option is selected, showing 'Type' as 'WPA-PSK', 'Encryption' as 'TKIP', and a 'PSK Key' field with masked characters. The 'WEP' option is unselected, showing 'Type' as 'OPEN' and an empty 'Key' field. A 'Set' button is located at the bottom of the form.

2.4.9 Bluetooth Settings

If the printer has a Bluetooth function, you can set the parameters of Bluetooth. 1. First hold printer form feed, referred to as the "feed" button, and then boot,

1. print a self-test screen printer. From the self-test page, find out Bluetooth printer name and password pairs.

2. if there is a need, you can modify the Bluetooth pairing name and password, this time you need to use an integrated set of tools in the Bluetooth settings function, as shown below.

3. input printer Bluetooth to modify the device name and Pin, click the settings, the printer to restart, change the settings successfully.

4. open the main device, search the external Bluetooth device

5. to find just modify the Bluetooth printer; enter the corresponding password to complete the pairing.

When matching, the thermal micro printer must be in the boot state.

Note: when pairing, please do not turn on multiple printers at the same time, or you may not be able to determine which printer is successful.

The screenshot shows a window titled "Set Printer" with a tabbed interface. The tabs are: Location, Test, PRN Print, User Def, Ethernet, Serial, Wifi, Bluetooth setting (selected), and CodePage. The "Bluetooth setting" tab contains the following fields:

- Device Type: A dropdown menu with "Android" selected.
- Device Num: A dropdown menu with "No. 1" selected.
- Device Name: A text input field containing "1".
- Pin: A text input field containing "0000".
- A "Set" button at the bottom of the form.

2.4.10 CodePage

To switch to the character set interface, click the drop-down button to select the desired character set to click Settings

The screenshot shows the same "Set Printer" window, but with the "CodePage" tab selected. The "Bluetooth setting" tab is now disabled. The "CodePage" tab contains the following fields:

- Code Page: A dropdown menu with "CHINESE" selected.
- A "Set" button to the right of the dropdown.