

RONGTA **USER MANUAL**

RPW210 WRISTBAND PRINTER



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Introduction

Thank you for purchasing the RPW210 wristband printer from our company, which gives you safe, reliable and efficient printing quality at an affordable price. At the same time, the super function and easy operation of RPW210 are widely used in medical, health care, tourism, exhibition, sports events, entertainment, catering, business and other service industries.


This manual explains in detail how to install and use the printer, describes in detail how to set up and maintain the printer, and provides solutions to common printer failures.

Symbolic convention

Symbol	Instructions
	Note Provides additional information to emphasize or supplement important points in the main text.
	Indicates a warm reminder

Version record

Version number	Release date	Instructions
V1.0	2024.12	This is the first official release
V1.1	2025.9	Update parameter table




 The illustrations and descriptions used in this manual may differ from the actual ones.

Safety Instructions

Before operating and using the printer, please carefully read the following items and strictly observe the use rules.

- ① Please install the printer on a stable surface to avoid printer suffered from any vibration and shocks.
- ② Stop using keeping the product in any case of unusual circumstances such as the presence of high temperature, high humidity and serious pollution.
- ③ Connect the printer's power adapter to an appropriate grounding socket.
Avoid using the same socket with large motors or other equipment that may cause voltage fluctuation of power supply.
- ④ Do not get the product wet. Do not insert foreign objects(e.g. metal) into the product, and once it occurs, immediately turn off the power supply.
- ⑤ Never use the printer without paper, otherwise it will seriously damage the printing rubber roller and thermal head.
- ⑥ Unplug the product from the power outlet if the printer is idle for a long time.
- ⑦ Do not disassemble or modify the product personally.
- ⑧ Use only the power adapter specified in this instruction.
- ⑨ In order to ensure the printing quality and prolong the service life of the product, it is recommended to use the recommended or equivalent thermal printing paper.
- ⑩ Do not plug/unplug the product with the product powered on.
- ⑪ When plugging and unplugging the printer power cord, please hold the arrow position of the printer power connector with your hand, not the cord of the printer power cord.
- ⑫ Please keep this manual for the future use and reference.

Safety warning

-  **Note:** The tearing blade has a sharp edge, please be careful not to touch to prevent cuts.
-  **Warning:** The print head is a hot part, during the printing process or just after printing, Do not touch the print head and surrounding parts, children must use it under adult supervision.
-  **Warning:** Do not touch thermal print head surfaces and connectors. Avoid electrostatic damage to the print head.

I. Technical Parameters

1.1 Printing Parameters

Item		Product specification
Print	Printing mode	Heat sensitive type
	Resolution	203dpi
	Maximum print width	2.2"(56mm)
	Maximum print speed	6 ips(150mm/s)
	Print length	0.79"-15.75"(20-400mm)
Sensor		Seam mark detection, black mark detection, paper missing detection, backtracking detection, cover opening detection, head temperature detection
Medium	Type	Wristband label, label paper, black label paper (lower black label), continuous paper, folded paper
	Width	2.56"(65mm)(MAX) (label + backing paper)
	Thickness	0.0023"-0.0071"(0.06mm~0.18mm) (label + backing paper)
	Maximum roll diameter	φ3.94"(φ100mm)
	Reel bore	φ1"(φ25mm(MIN))
Tearing mode		Manual tearing
Processor		32bit ARM MCU
Store	RAM/FLASH	8MB
Feature	Key	power switch, pause key, FEED key, paper bin cover button
	Pilot lamp	There are
	Buzzer	Buzzer tone
	Other	First back, missing paper retype
Communication interface		U/BU/UE/BUE
Programming language		TSPL+ZPL+ESC
Built-in font		ASCII Font: 5x9,7x11,10x18,15x28,13x26,40x60,13x21,10x12, 14x20,16x24,24x32,36x48,14x19,21x27,14x25,12x24
Code page	Extended character list	CP437,CP850, CP852, Cp860, Cp863, Cp865, CP866, WPC1250 , WPC1251, WPC1252, WPC1253,WPC1254
Bar code	1D	Code39, Code39C, Code93, TF25, EAN128, Code128, Codabar, EAN-8, EAN8+2, EAN8+5, EAN-13, EAN13+2, EAN13+5, UPC-A, UPCA+2, UPCA+5, UPC-E, UPCE+2, UPCE+5MSIC, Tf14, EAN14, Code11
	2D	QRCODE, Pd417, DataMatrix
Software	Actuate	XP, Win7, Win8, Win10, Win11, ios, Android
	SDK	Android, ios, windows
	Label design	Barcode label editing software(PC), APP
Power adapter		Input: AC 100-240V,50/60Hz
		Output: DC 24V/2.5A
Environmental parameter	Professional	Temperature: 32-104℉(0-40℉); Humidity: 20-90%(no condensation)
	Store	Temperature: 14-140℉(-10-60℉); Humidity: 5-95%(no condensation)
Physical parameter	Dimensions	104mm*210mm*143mm
	Weight	1.5kg

☺ This product information is subject to change without notice

1.2 Unpacking List

Once you receive the printer, first check to see if the printer was damaged during shipping. You can check the packing box, The appearance of the printer and whether the accessories are damaged. In the event of damage to the carriage, file a written claim with the carrier immediately. Next, please check the accessories according to the "Quick Installation Guide" provided with the product. If any accessories are missing, Please contact the seller immediately.



Printer



Power cord



USB cable

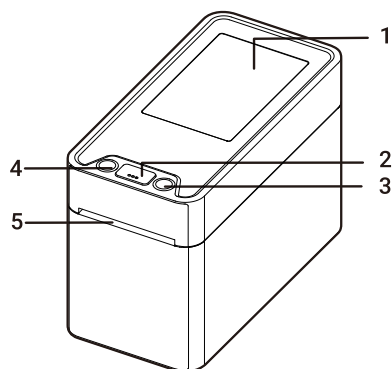


Quick Installation Guide

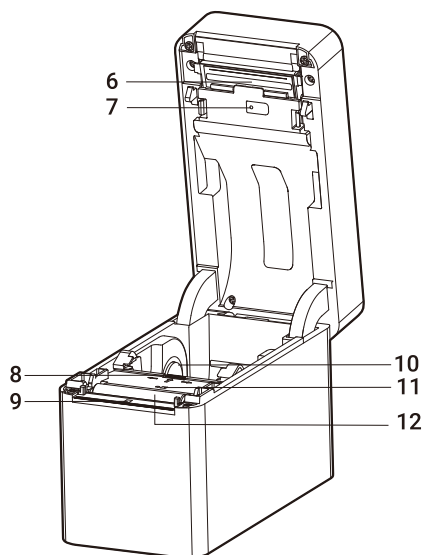
☺ The pictures are for reference only, please subject to practicality.

1.3 Appearance and Structure

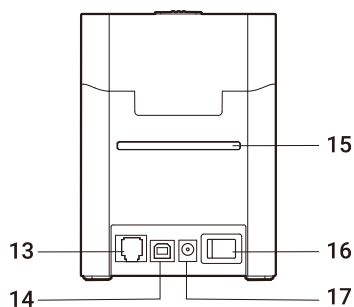
□ Front View



□ Inside View



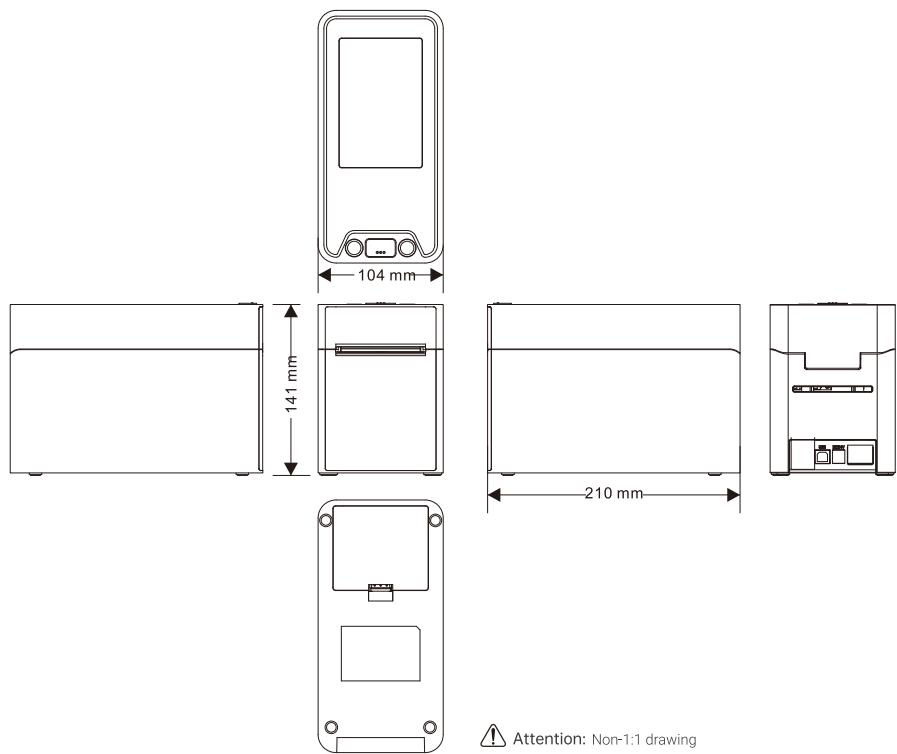
□ Rear View



☺ Remark: The interface is optional or customized, and the specific interface is subject to the actual object.

1. Paper observation window
2. Open the cover button
3. FEED key and indicator
4. PAUSE key and indicators
5. Tear the paper knife
6. Print the head piece
7. Dual optical coupling
8. Paper width adjustment button
9. Roll back the optocoupler
10. Paper width adjustment block
11. Reflection optocoupler
12. Rubber rolls
13. Network Interfaces
14. USB Port
15. Position of backward paper feed
16. Switch
17. Power Ports

1.4 Product size



II. Installation and use

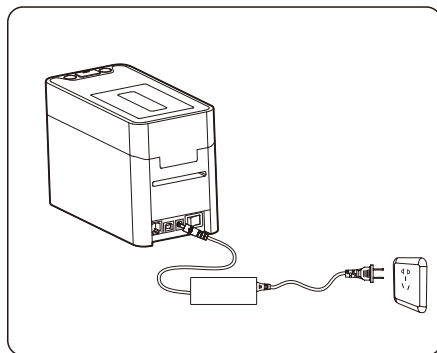
Printer installation and use procedure

Connect the power cable → Connect a USB cable → Mounting roll → Power on → Label learning → Print the self-test page
Mounting driver → Barcode label software printing \ APP printing (see the instructions in Chapters 2 to 5 of this manual)

2.1 Connecting the Printer

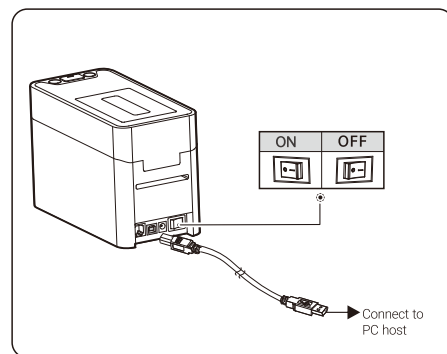
(1) Connect the power line

- 1) Confirm that the printer power switch is in the off "O" state;
- 2) Connect one end of the power cord to the printer;
- 3) Connect the other end of the power cord to a nearby socket;
- 4) Press the (switch) button of the printer to turn it on.



(2) Connect the USB cable

- 1) Connect the USB cable (TYPE-B header) to the printer;
- 2) Connect the USB cable (TYPE-A header) to the PC host;
- 3) Turn the printer power switch to the power on (I) state.

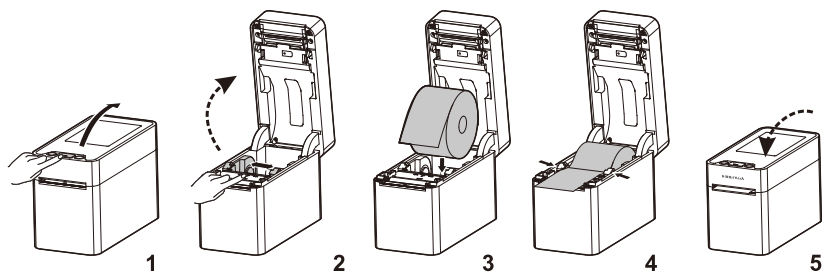


☺ This manual is for reference only, the specific functions and product pictures may be slightly different from the actual product, please refer to the actual product

2.2 Installation consumables

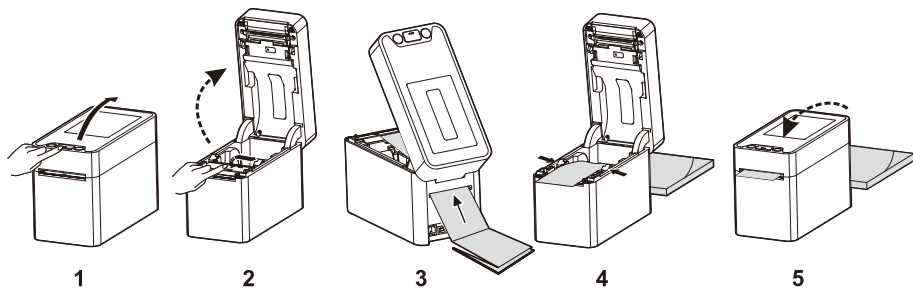
(1) Reel mounting

- 1) Press the cover key to open the paper bin cover;
- 2) Slide the paper width adjustment button to adjust the appropriate width according to the paper width;
- 3) Load the paper roll and turn the printing side up;
- 4) Center the end of the paper on the paper roller and slightly over the outlet;
- 5) Press the center of the top cover, close it, and ensure that the card is in place.



(2) Folding paper mounting

- 1) Press the cover key to open the paper bin cover;
- 2) Slide the paper width adjustment button to adjust the appropriate width according to the paper width;
- 3) After the paper inlet, load the folded paper in the direction shown;
- 4) Center the end of the paper on the paper roller and slightly over the outlet;
- 5) Press the center of the top cover, close it, and ensure that the card is in place.

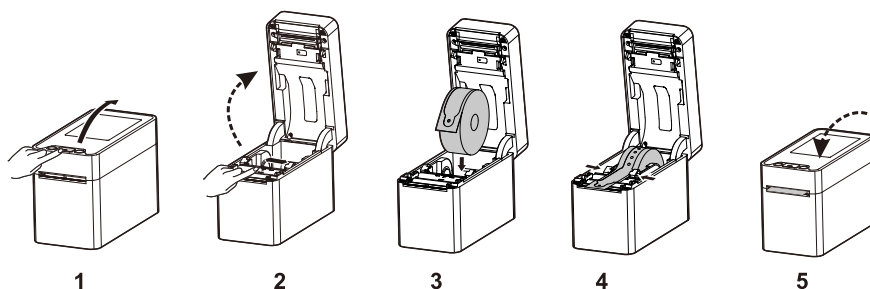


 **Note:**

1. printer paper width: 20~60mm
2. consumables support: wristband, label paper, folding paper, continuous paper, black label paper

(3) Wrist strap installation

- 1) Press the cover button to open the paper bin cover;
- 2) Slide the paper width adjustment button to adjust the appropriate width according to the width of the wrist band;
- 3) Load the wristband and turn the print side up;
- 4) Center the end of the wristband on the paper roller and slightly beyond the paper knife (do not exceed the paper knife 50mm);
- 5) Press down on the center of the top cover to close it and make sure it is stuck in place.




😊 Note:

- When installing consumables, the first piece of paper should not exceed 50mm of the tear knife to ensure that the first piece can be rolled back into place.
- **Printer paper width:** 20~60mm.
- **Consumables support:** wristband, label paper, folding paper, continuous paper, black label paper.
- After installing a paper roll for the first time, learn labels. For details, see "Label Learning" in P12.

2.3 Basic Functions

(1) Power Switch

Power switch Switches on and off the printer power supply. The printer's power switch is located at the back of the printer. When the "-" of the switch is pressed, Open the printer; When the "O" of the switch is pressed, the printer is turned off.

 **Note:** Turn on the switch only after the power is connected.

(2) Key Function Description

Press the key	Function description	Definition
Hull switch	Power source	When the "-" of the switch is pressed, the printer is turned on; When the "O" of the switch is pressed, the printer is turned off.
FEED key (right)	Paper feed	In standby state, press the [FEED] key, and walk a label when the paper is not continuous; Press 12mm once for continuous paper.
	Paper learning	In the standby state, long press the [FEED] key for 3S, and you will hear a "drip" sound. Release the FEED key to the printer for paper learning.
	Self-checking page	Long press the [FEED] key in the standby state. 5S will hear "drip" and "drip" 2 sounds. Release the FEED key and the printer prints the self-test page.
	Instruction switching	In the standby state, long press the [FEED] key 7S and you will hear 3 sounds of "drip", "drip" and "drip".Release the [FEED] key and the printer will switch between TSC/ZPL instructions and print the self-test page.
PAUSE key (left)	Pause	Press PAUSE while printing, and the printer will pause the current print Quest; When you press PAUSE again, the printer will resume the original printing task.
	Self-checking page	After the printer is connected, press and hold the [FEED] key and power on the printer. In about 3S, the printer will start to print the self-test page.

(3) Indicator Description

Definition	Setting	Describe
Power lamp (left)	PAUSE key /POWER key	After the printer is powered on, press the power button, and the power light is green on; When the pause button is pressed during the printing process, the power light blinks green;
Status light (right)	FEED key	After the printer is turned on, the status light is green, indicating that the printer is normal. A red light indicates that the printer status is incorrect.

(4) Buzzer Description

LED indicator status	Buzzer status	Instructions
Indicator light green	Buzzer "drip" 1 sound	The printer initialization succeeded
The PAUSE /POWER key blinks green	/	Print pause
The FEED key blinks red twice	The buzzer rings twice in a row	Abnormal connection of the print head alarm
FEED key flashing red 3 times	The buzzer rings three times in a row	Paper shortage alarm
FEED key flashing red 5 times	The buzzer rings five times in a row	Head plate overheating alarm
FEED key flashing red 6 times	The buzzer rings six times in a row	Cover opening alarm
FEED key flashing red 7 times	The buzzer rings seven times in a row	No sewing marker alarm was detected.
FEED key blinking red 8 times	The buzzer rings eight times in a row	No black mark alarm was detected.
FEED key blinking red 9 times	The buzzer sounded nine times in a row	No SDRAM was detected
FEED key flashing red 10 times	The buzzer rings 10 times in a row	No serial FLASH detected

(5) Label Learning



Note: In the following cases, the user can learn the label positioning so that the printer can better locate the label:

- Install and use the printer for the first time;
- First use of printer after sensor cleaning;
- Re-use the printer after a long period of unused;
- Replace the new type of paper roll;
- During the printing process, the printer cannot effectively identify the mark;

In the printer ready state, long press [FEED] key 3s will hear "drip" 1 sound, release [FEED] key printer Do paper study. Users can also learn through the printer tool.



Note: After learning is completed, you can re-open the top cover and put the blank label paper that you have just learned into the ready place Print to avoid paper waste.

(6) Print the self-test page

When the printer is initially installed or there are any problems with the printer, you can run self-test program to confirm the following status: firm ware version, printer parameter setting status, print quality, and related setting information of external devices, etc. After confirming that there is no problem with the printer after the self-test, please check other devices or software. This function runs independently of other devices or software.

The self-test method is as follows:

- Ensure that the power supply is connected and the rolls are correctly installed.
- Ensure that the printer is powered off and the top cover is closed properly.
- Press and hold the [FEED] key, then turn on the power switch, and the printer will print the self-test page after about 3S. Release the FEED after printing the self-test page.


III. Driver installation instructions

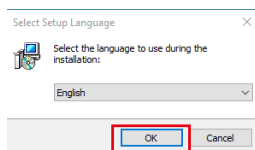
3.1 Driver Download

- (1) Go to www.rongtatech.com
- (2) Click Service and Support, find the driver download: Wristband printer driver click download

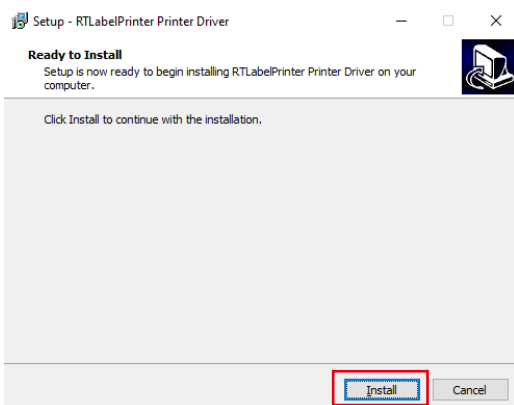
3.2 Installation Description

(1) Printer Default Instruction (TSC) driver Installation

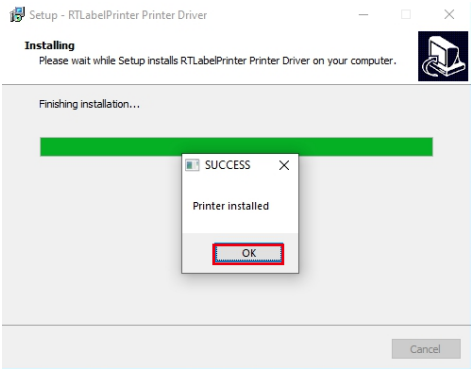
- 1) Confirm that the printer is connected to the power supply, and turn the printer on;
- 2) Use USB communication cable to plug into the USB interface of the corresponding printer and connect to the computer;
- 3) Boot the default TSC command, double-click to open the driver software .
- 4) Select the corresponding language and click [OK]



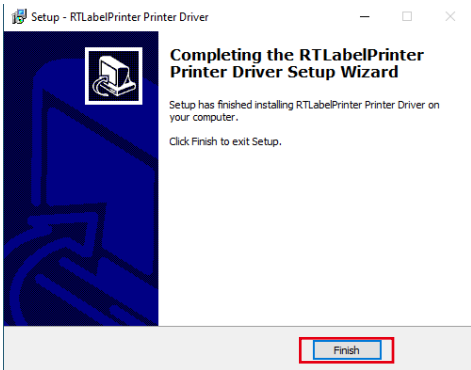
- (5) Click [Install]



6) The system prompts the installation success screen. Click [OK] to confirm the installation success.



7) Click [Finish]. Users can view the installed drivers in the Control panel: Devices and Printers.



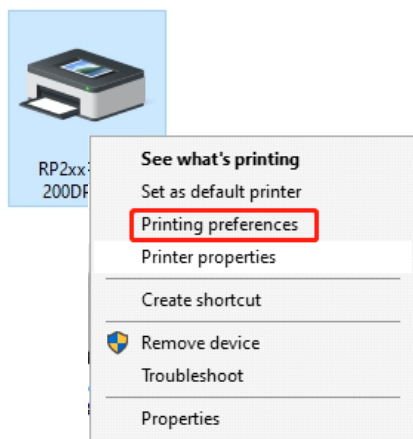
(2) Switching Instruction (ZPL) Driver Installation

Example: After the TSC command driver is installed. Long press the printer FEED key until the printer "drops" 3 sound and release, the printer will switch the command to ZPL command, at the same time, it will print the self-check page, you can judge whether the command switchover is successful through the self-check page. At this time, the system will automatically install the corresponding driver of the ZPL instruction, and the user can check whether the installed driver is successful through the control panel: device and printer (on the contrary, the TSC instruction is also changed to ZPL instruction).

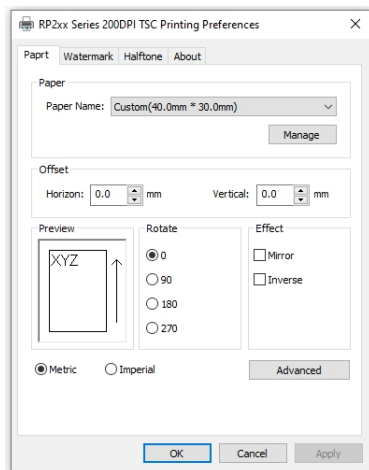
3.3 Driver Usage

Under normal circumstances, the driver can be used after installation, the default printing paper size of the driver: 50mm*30mm, if the user's printing paper size is inconsistent with the default paper size, it needs to be reset, if not reset, the print may be missing or cannot be printed normally, the specific setting method is as follows:

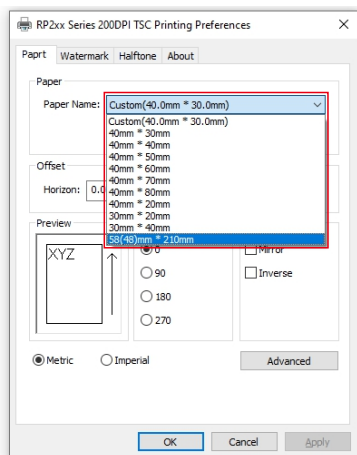
(1) Click "Control Panel" -> "Devices and Printers", right click the printer icon, select "Print Preferences"



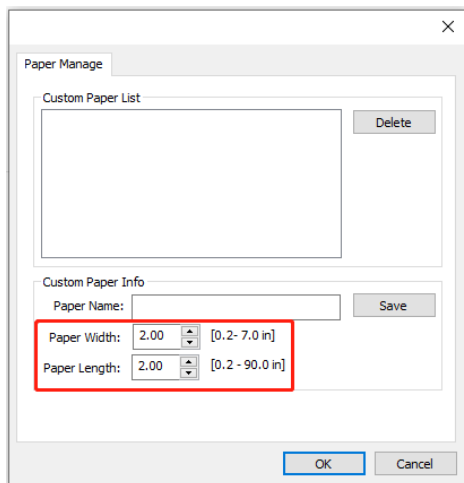
1) In the "Page" option, you can set the paper, offset, effect, etc.



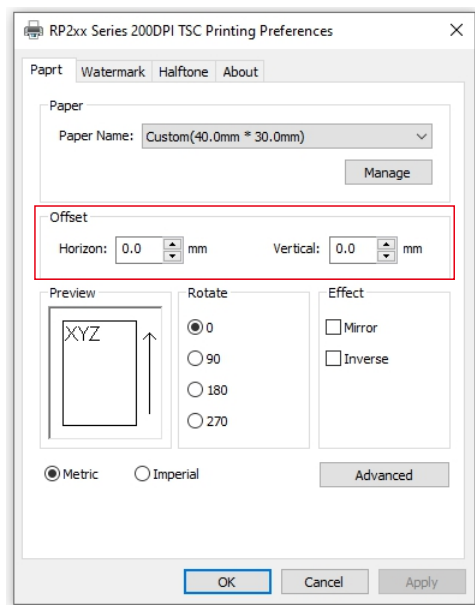
- Drop down "Paper Name" and select the paper size according to the actual paper size. Default size (40mm*30mm)



- Click "Paper Manage" to customize the paper size Settings.



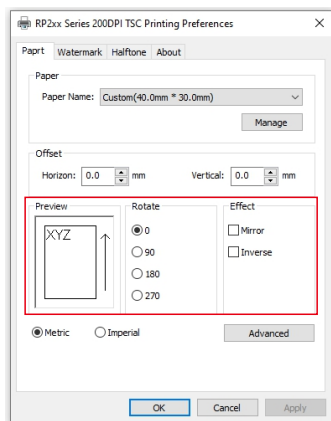
- Click "Horizon" or "Vertical" to set the horizontal and vertical printing margins.



- Click "Rotate" or "Effect". The left preview shows the print position

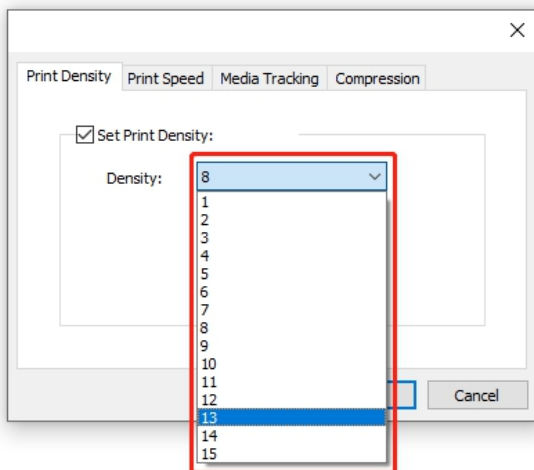
Rotate: Printing in different directions can be set.

Effect: The image can be mirrored or reversed printed.

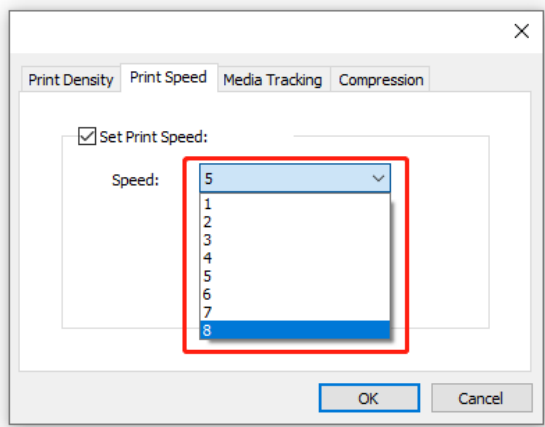


- Select Advanced Settings.

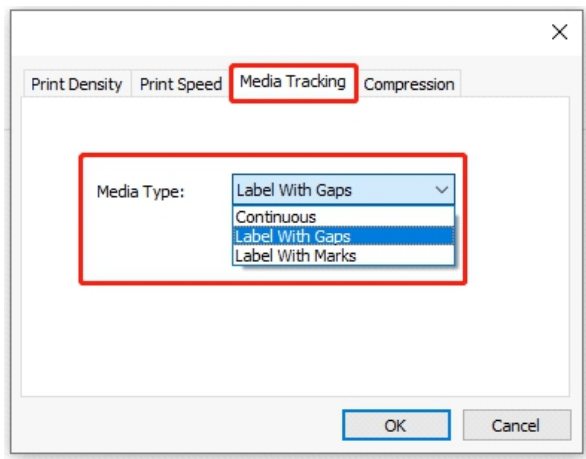
Set print Density: due to the inconsistency of the color degree of the paper, the printing concentration parameter is increased if the printing effect is light, and the printing concentration parameter is reduced if the printing is strong.



- **Set Print Speed:** The general default speed "7", according to the printing needs to adjust the printing speed.

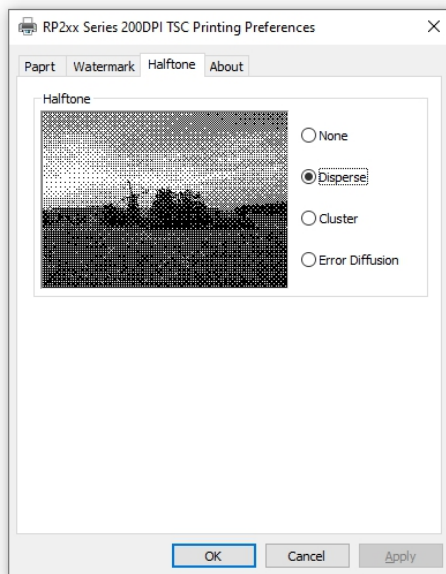


- **Media Tracking:** You can select the type of paper currently used to select "Continuous ", "Label With Gaps", "Label With Marks".



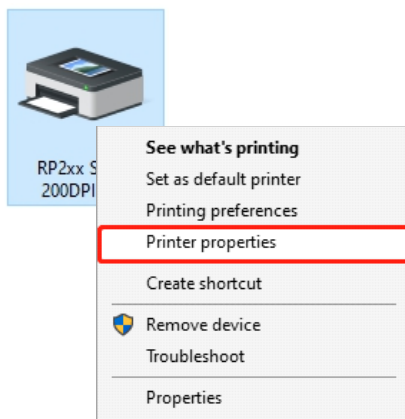
2) Halftone.

Adjustable picture printing effect.

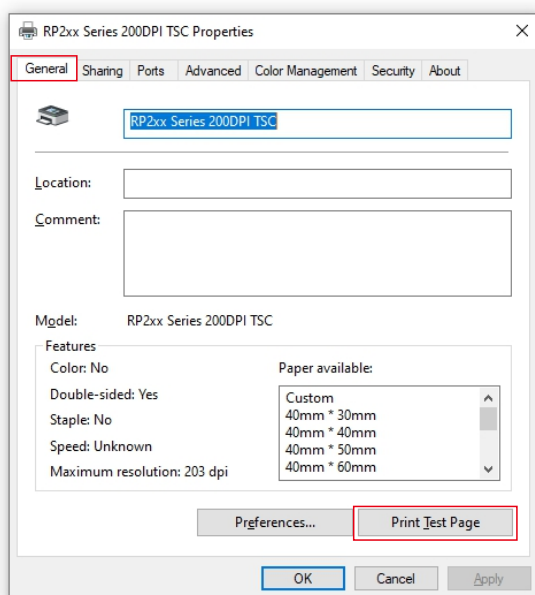


(2) Printer properties

1) Click "Control Panel" – "Device and Printer", right-click the printer icon, and choose "Printer properties"



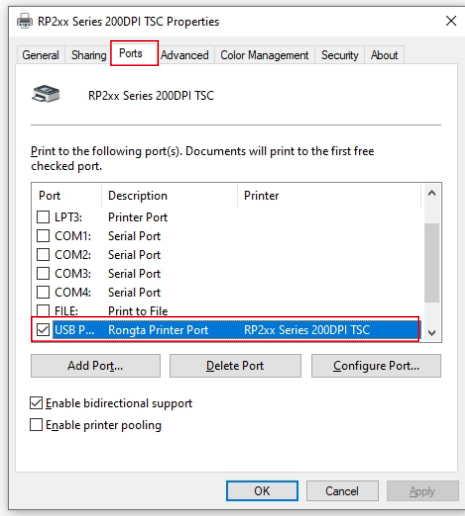
- 2) Select General and click **"Print Test Page"** The printer starts to print the current configuration.



Select **"Print Test page"**, if the test page can be printed normally, it indicates that the printer is correctly connected to the PC and configured, and the printer can be used normally.

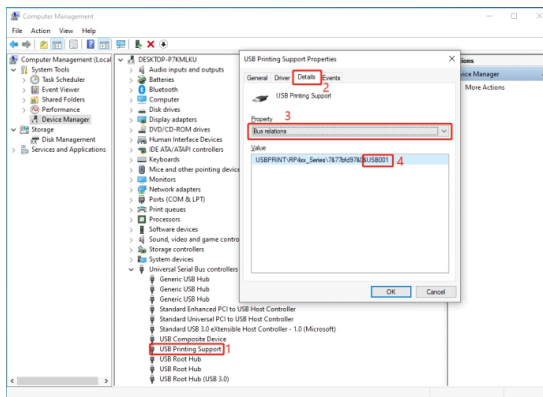
3) Click "Ports", select the corresponding port, click " ✓ ", and then click to confirm the setting.

⚠ Note: A printable test page is available to confirm that the setup is successful.



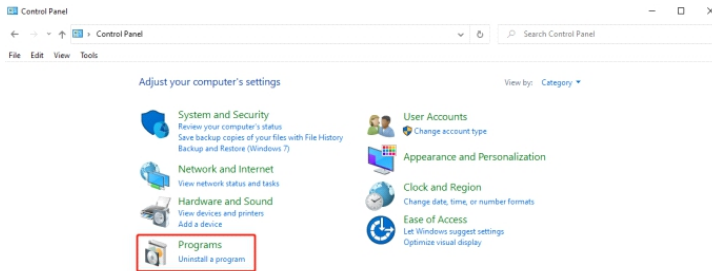
Steps to find the port type:

Desktop: "the computer", right click on the "management", open the "device manager" USB print support "->" right click "properties" option to port.

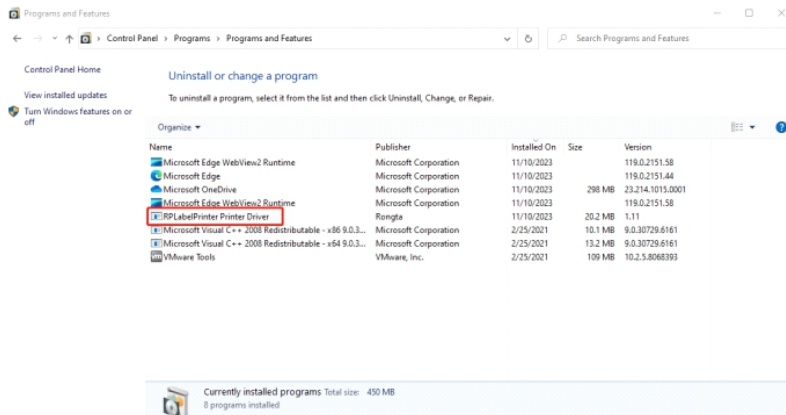


3.4 Uninstalling the Driver

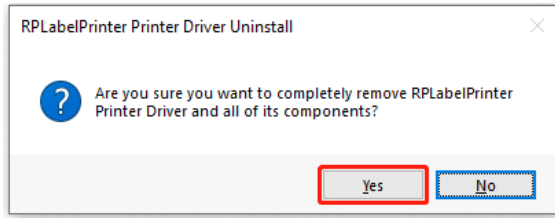
(1) Open "Control Panel" ->"Programs";



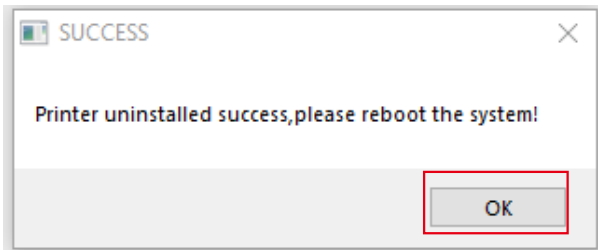
(2) Select "RPLabelPrinter Printer Driver" and right-click Uninstall.



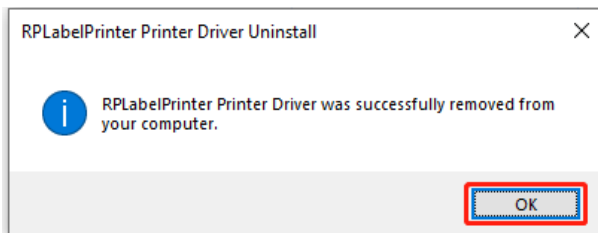
(3) Click "Yes";



(4) Click "OK";



(5) Click "OK". The driver is uninstalled successfully.



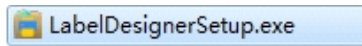
IV. Barcode label editing software installation and use

4.1 Software Download

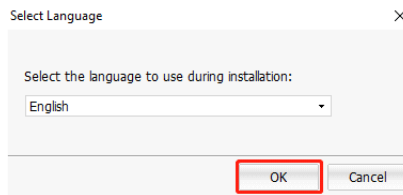
- (1) Visit the official website of Rongta University at www.rongtatech.com;
- (2) Click "DOWNLOAD", find the "Driver Download" "LabelDesigner®Windows®" and click "DOWNLOAD".

4.2 Software Installation

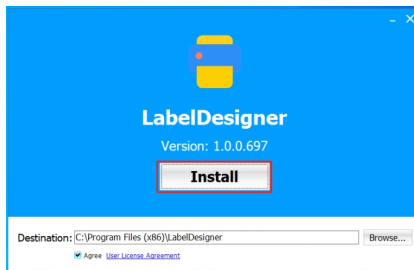
- (1) Double-click the label editing software;



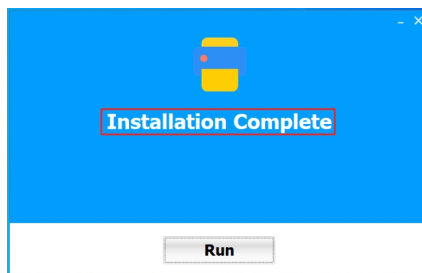
- (2) Select the language you want to use and click "OK"



- (3) Click "Install "



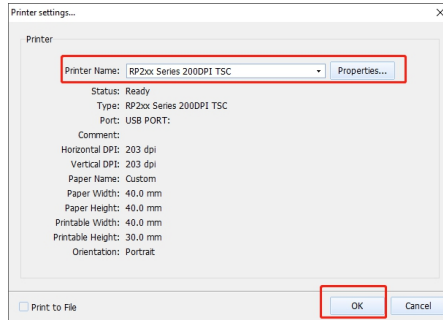
- (4) Click Experience Now to complete the installation.



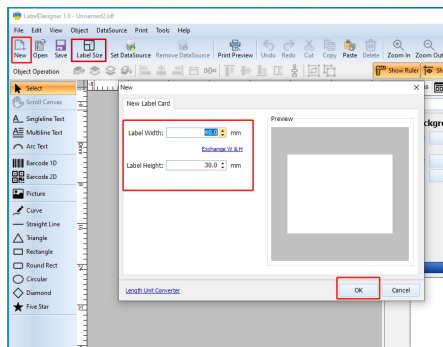
4.3 Tag editing software used

(1) Double-click Barcode Label Printing System.

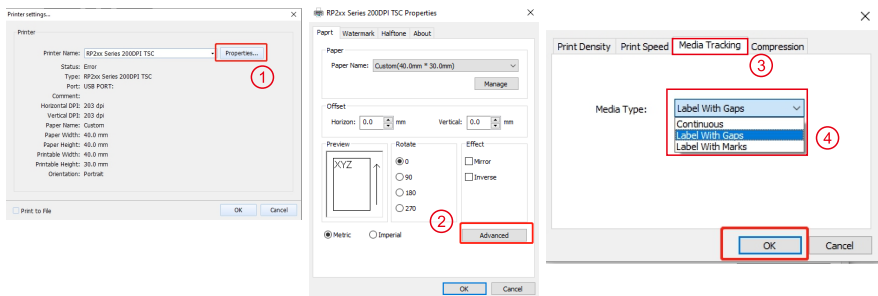
The following dialog box is displayed. Select the installed printer driver and click OK.



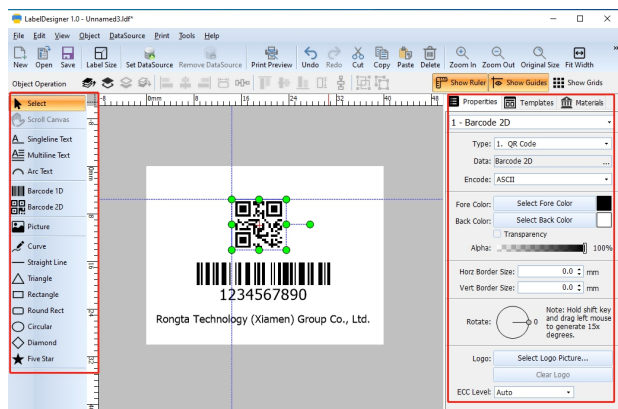
(2) Select "New" in the upper left corner of the title bar, enter the actual label size, and click "OK".



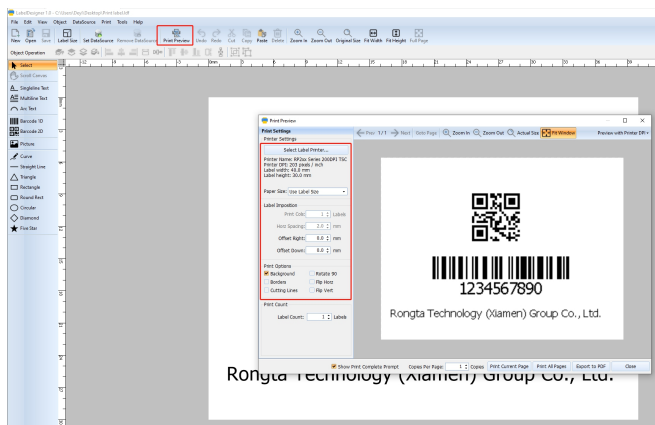
(3) Set the printer properties, click the title bar "Print" and select "Print Settings". Adjust the printer Media Settings to the type currently in use.



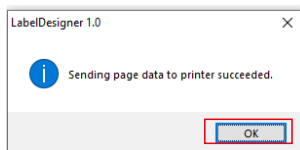
- (4) Edit text or draw graphics according to the left toolbar, and change parameter information in the right property bar, as shown in the following figure.



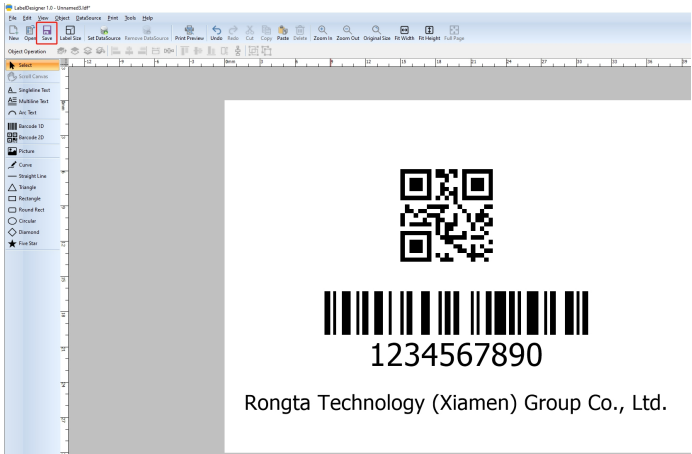
- (5) If the content information is edited well, select "Print preview" in the title bar -- select "Print current page"; If the preview print effect is not satisfactory, you can set it by "label layout" and "Print options" in the left setting bar of the preview interface.



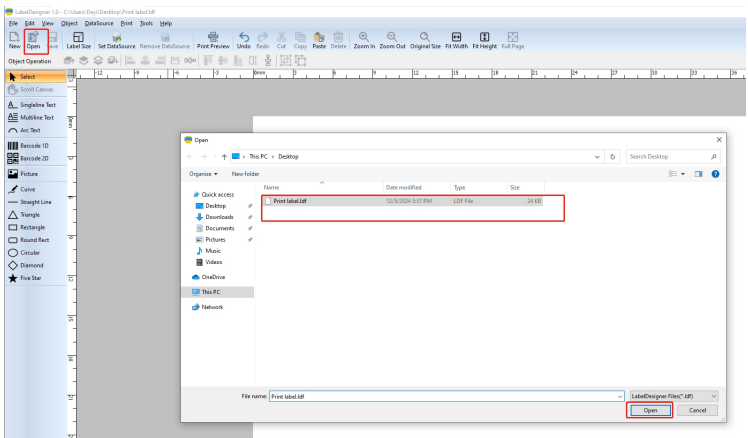
- (6) If the following screen is displayed, the printing succeeds.



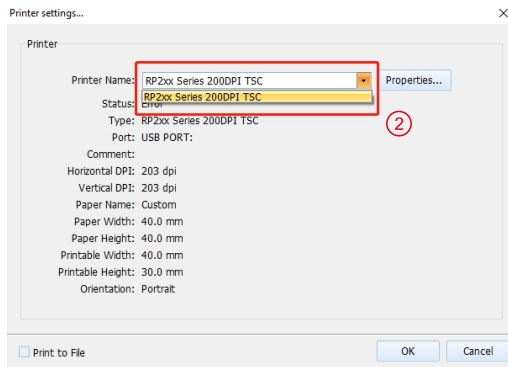
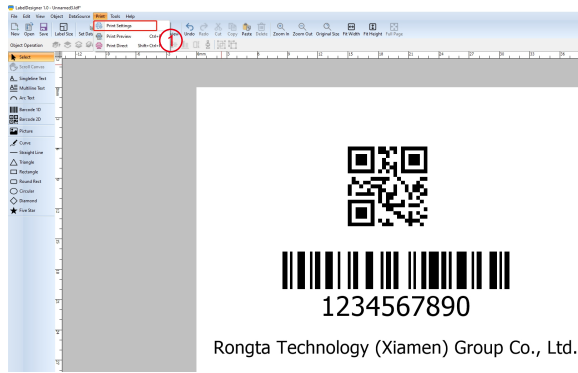
(7) To save the current edit tag template, select "Save" in the title bar to save it to your computer.



(8) To open the previously saved file, open the Barcode Label Printing System software first. Then select "Open" in the title bar. As shown in the following figure, find the previously saved LDF file and select "Open" to open the previously saved label template.



- (9) To replace the printer, select Print->Print Settings ->Printer Name and select the printer model in the title bar.



V. APP download, installation and use

5.1 Downloading Apps

Scan the two-dimensional code as shown below



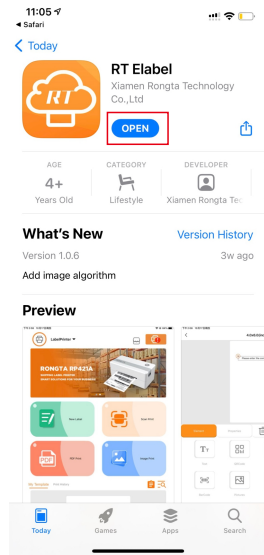
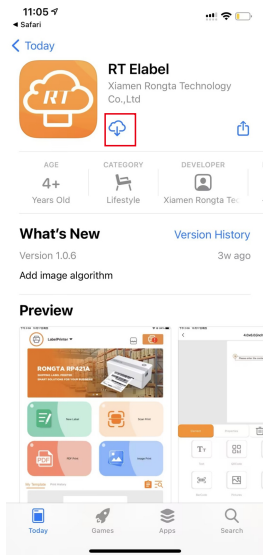
5.2 APP Installation and use

(1) Click "Get" after downloading -> "OPEN" (or open the mobile phone interface



selection icon.

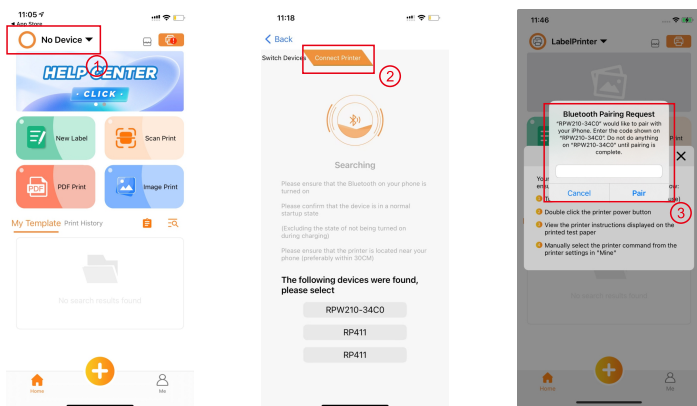
RT Elabel



Note: Please refer to the latest APP version.

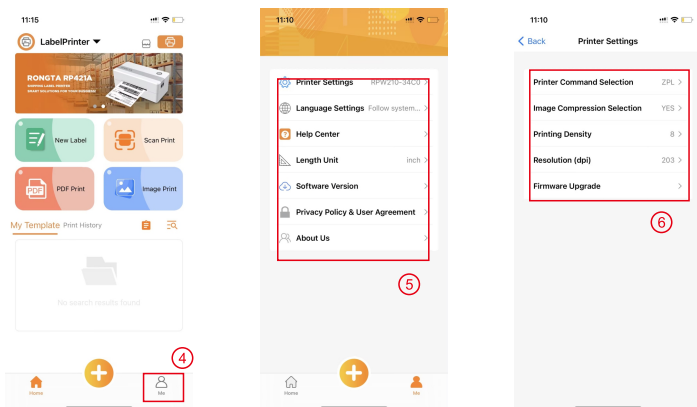
(2) Connect the printer

- 1) Select the "No Device" triangle in the upper left corner
- 2) Select "Connect printer" to find the printer model for Bluetooth pairing (make sure that the Bluetooth of the mobile phone is turned on, ensure that the printer is normally turned on, and ensure that the printer is near the mobile phone (within 30cm).
If the corresponding model cannot be found, please select LabelPrinter and search all devices that can be identified. Then select the corresponding model name to connect (the model name must be the same as the Bluetooth name on the self-test page)
- 3) Enter the pairing code for pairing (the default Bluetooth pairing code in the self-test page is 4 or 6 zeros, the method of printing the self-test page is referred to page 12 of this manual)



(3) After pairing, set up the printer

Go to the lower right corner of the home page --> my --> printer Settings (printer instructions, print concentration, resolution, firmware upgrade Settings) --> language Settings (Chinese/English) --> Unit of length (inch/mm) --> software version upgrade Settings

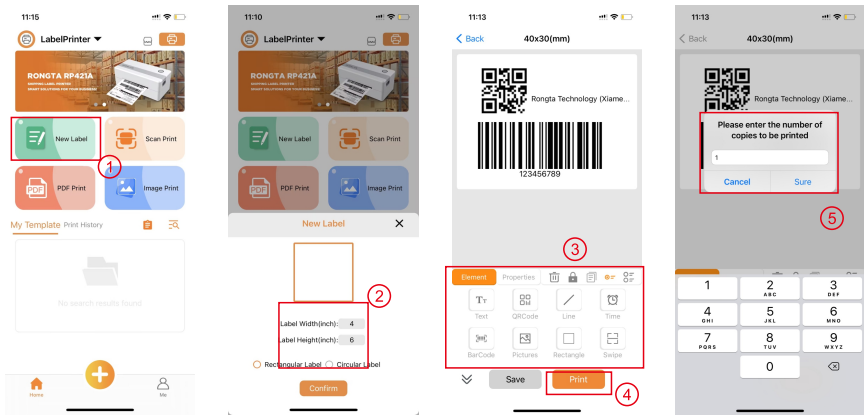


(4) Print

You can New Label, Scan Printing, PDF Print, and Mage Print, and select a printing method according to your needs.

New Label

- 1) Select "New Label"
- 2) Set the label width and height
- 3) Edit the printed information and adjust the parameter information through the properties
- 4) Print (Please enter the number of copies to be printed)



Note:

- 1) When setting the label size, note that the unit (inch/mm) is set according to the paper size currently used.
- 2) The label can be saved, and the template can be found in my template after saving, and the print record can also be found in the print history after printing, and you can find the template or history record when you need to repeat printing.
- 3) When printing pictures, you can set the new size, the size only shows the first 5 sizes, you need to press and drag the set size to place the first 5, you can select the new size when printing.

VI. Printer setup tool practical instructions

6.1 Label printing tool download

- (1) Go to www.rongtatech.com
- (2) Click Service and Support, find the tool download: Label printing tool click download

6.2 Usage Instructions

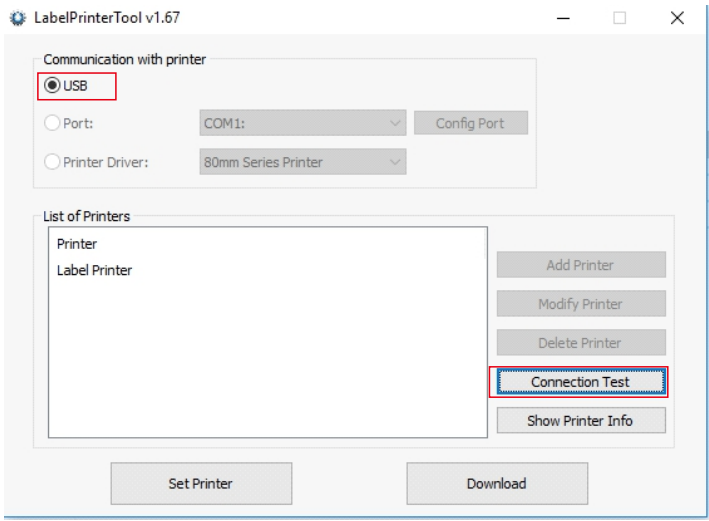
The printer must be ready before using the setup tool:

- (1) Make sure that the printer is connected to the power supply and is in the shutdown state;
- (2) The communication cable used is inserted into the communication connection plug of the corresponding printer;
- (3) Confirm that the printer has installed the paper roll;
- (4) Turn on the power switch;

6.3 Connection test

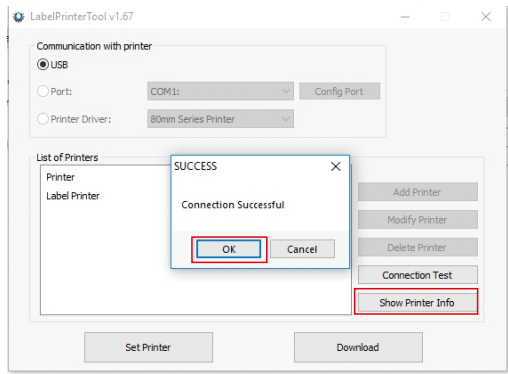
Run:  the following picture is displayed:

RTLabelPrinterTool



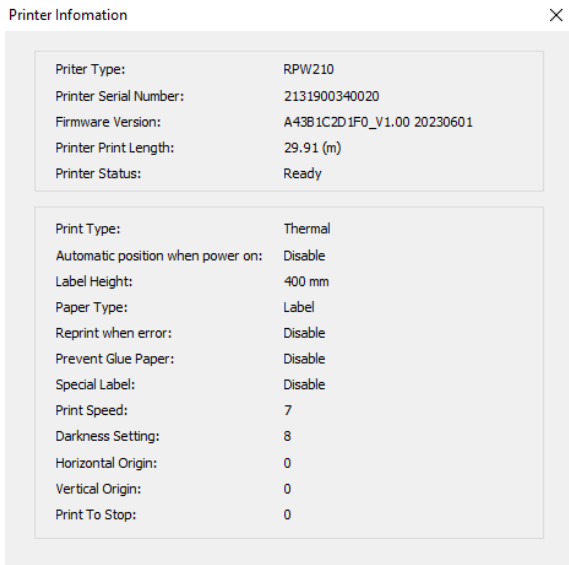
Select [**USB**] or other port according to the model interface or connect through the driver port, click [**Connection test**]

If the following figure shows success, it means that the printer has been connected (if the connection is unsuccessful, please reinstall the communication cable and check the communication Settings).




6.4 Displaying Printer Information

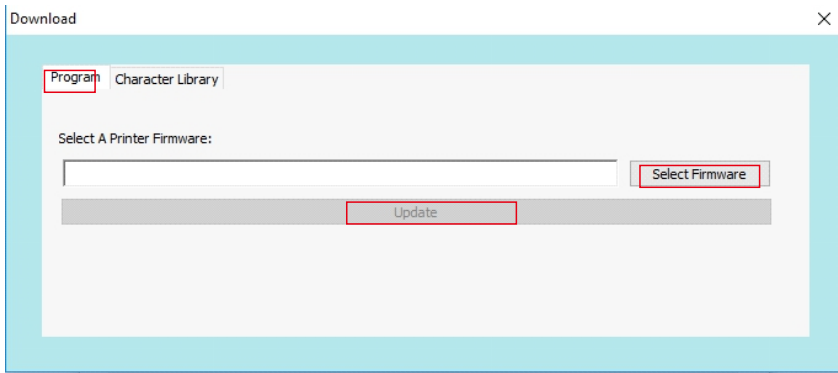
Click **[Printer information]** to view the basic information of the current printer.



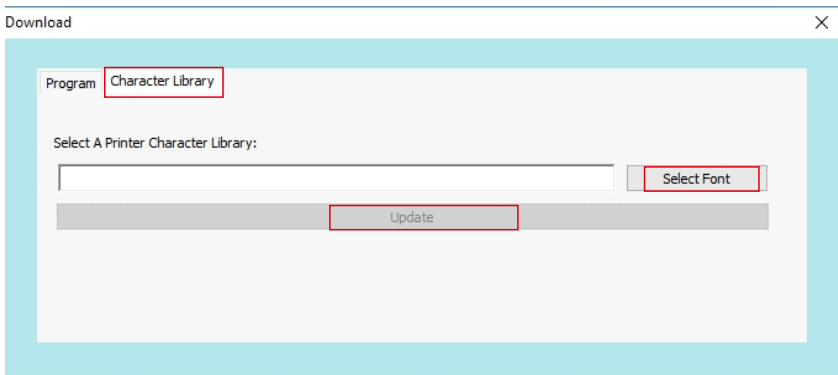
6.5 Downloads

When the firmware version of the printer is low or non-ideal, you can click **[Download]**. The following dialog box is displayed. Click **[Program]** to select the program, and then click **[Update]**. If the printer indicator is off for about 3s, turn on the startup position (turned off by default), a sheet of paper will be displayed after the automatic power-on. You can open the printer information to confirm whether the update is successful. You can click the printer information to check whether the printer is updated successfully.

 **Note:** Do not operate the printer during the update process until the printer is normally on. Otherwise, the update may fail.



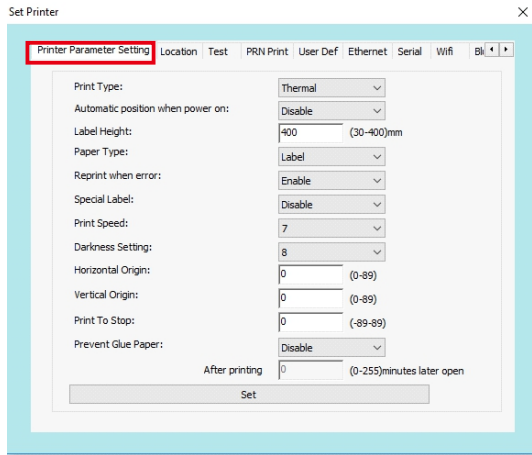
If the user wants to update the font by himself, he can select **[Font]**, click **[Open file]** to select the font file, and then click Update. At this time, it will pop up to select the input address. In no special circumstances, enter "0", and wait for the progress bar to complete the font update.



6.6 Setting a Printer

(1) Print setup

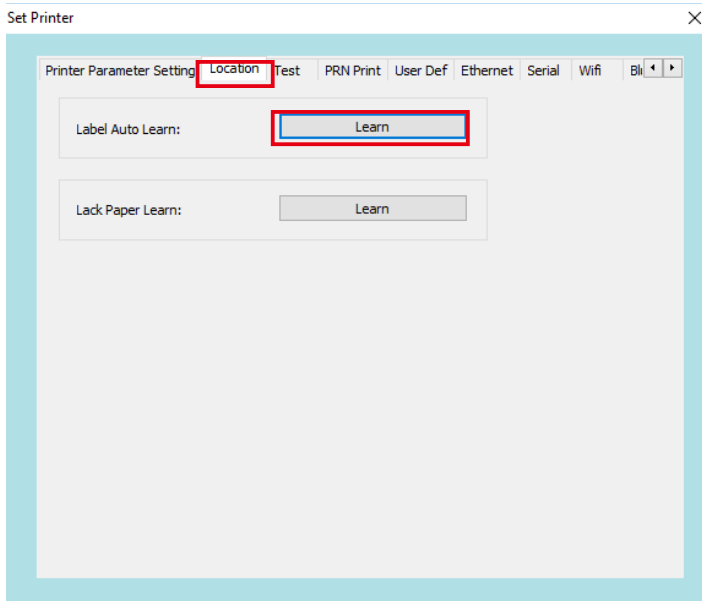
Click **[Set Printer]** to pop up the following window, you can change the basic parameters in the print setting interface. The function details are as follows:



Submenu	Description	Parameter description (parameter order is consistent with description)	Defaults
Print Type	Thermal ribbon	0~1	0
Automatic position when power on	Enable/disable	0~1	1
Label height	Max label height supported	30~400mm(Two bytes)	400
Paper type	Continuous paper, label paper, and black-marked paper	0~2	1
Reprint when Error	Enable/disable	0~1	1
Special label	Enable/disable@Default off	0~1	0
Print Speed	Speed setting	0~9	5
Darkness setting	Density setting	0~15	8
Horizontal Origin	Adjust the horizontal print start position	Adjust the horizontal start coordinate option: (+00 - +89) point	0
Vertical Origin	Adjust the vertical coordinate of print start position	Adjust the vertical start coordinate option: (+00 - +89) point	0
Print To stop	Locate the regular, paper tearing and cutter positions (take the paper tearing position as the zero point)	Start 0 - 255 minutes after stopping printing	0
Prevent Glue Paper	If specified time is exceeded, feed paper back and forth before printing the first sheet	Set label stop position option: (-89 - +89) point	0

(2) Calibrating Labels

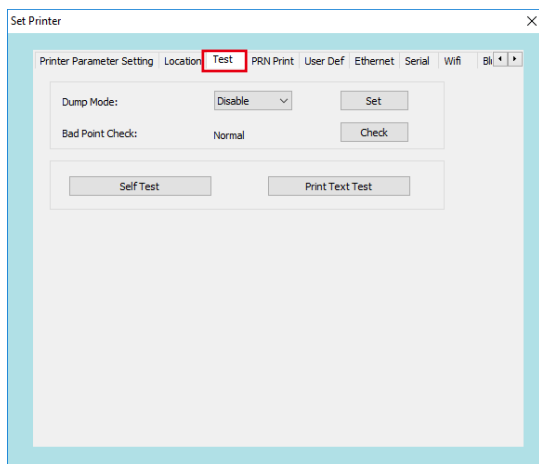
When the printer is ready, switch to the label calibration interface (as shown below) :



- 1) Label automatic learning: by learning to recognize the specifications of the newly loaded paper;
- 2) Lack of paper learning: It can solve the problem that when there is no paper or the learning label can not find the gap, click the lack of paper learning without paper and close the cover. Finally, reload the paper for automatic label learning;

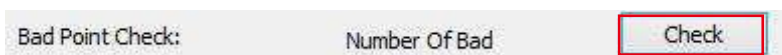
(3) Print Test

Switch to the print test interface (as shown below)



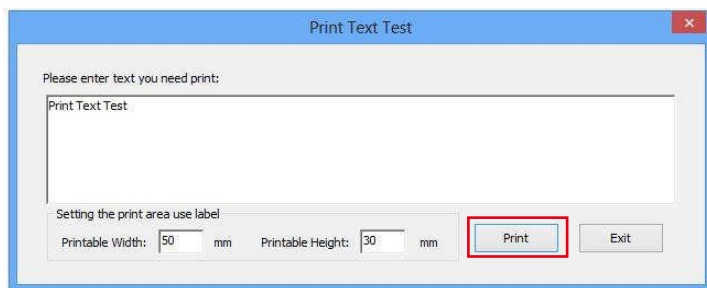
Debug mode: Default off, on the printer to print the original data sent, convenient for us to find errors; Error mode can only be exited by restarting the printer.

- 1) Print head bad spot detection: when the printer is ready, click **[Check]** to check whether the print head is normal, if it is not normal, it will often show bad points (as shown below);



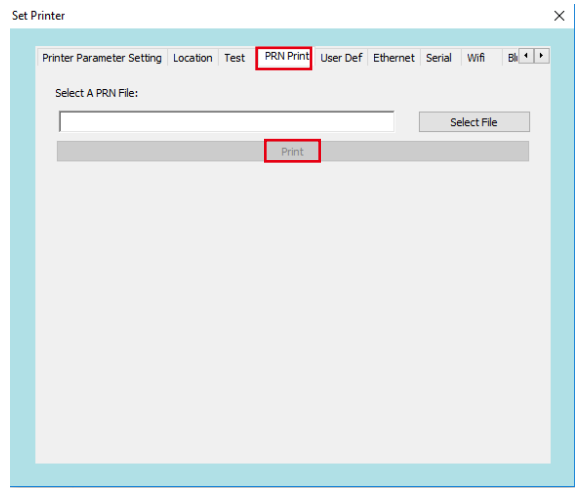
- 2) Print self-test page: When the printer is initially installed or there is any problem with the printer, you can click [print self-test page] to confirm the firmware Version, printer parameter setting status, print quality and related Settings of external devices, etc.;
- 3) Print test text: As shown in the following figure, you can enter the text you want to print in the text box, and set the printable area in label mode. Click **[Print]** to print the test.

⚠ Note: Text printing only supports TSC instruction, ZPL instruction does not support



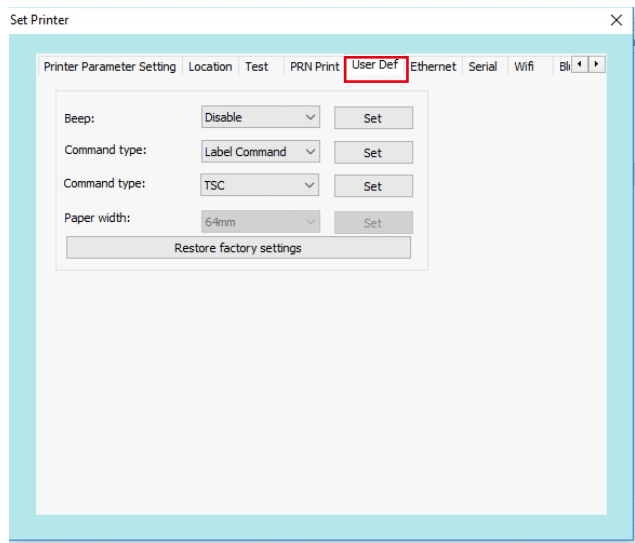
(4) PRN Printing

Click to open the file, select an RRN file and click Print to print the PRN file.



(5) User Settings

Switch to the user Settings interface (as shown below), you can set the buzzer sound on and off or restore the factory default Settings of the printer.



(6) Ethernet

On the Ethernet interface, you can set Ethernet parameters.

- 1) Set the IP address of the printer to "192.168.1.87" and set the communication port.
- 2) Set the subnet mask of the printer to 255.255.255.0.
- 3) Set the gateway of the printer to "192.168.1.1".
- 4) Set the DHCP function of the printer. By default, the DHCP of the printer is turned off.

If necessary, it can be turned on so that the printer can automatically obtain an IP address.

- 5) Set the MAC address and set the network transmission rate.

The screenshot shows the 'Set Printer' configuration window with the 'Ethernet' tab selected. The window contains several tabs: 'Printer Parameter Setting', 'Location', 'Test', 'PRN Print', 'User Def', 'Ethernet', 'Serial', 'Wifi', and 'Bluetooth'. The 'Ethernet' tab is active, showing the following settings:

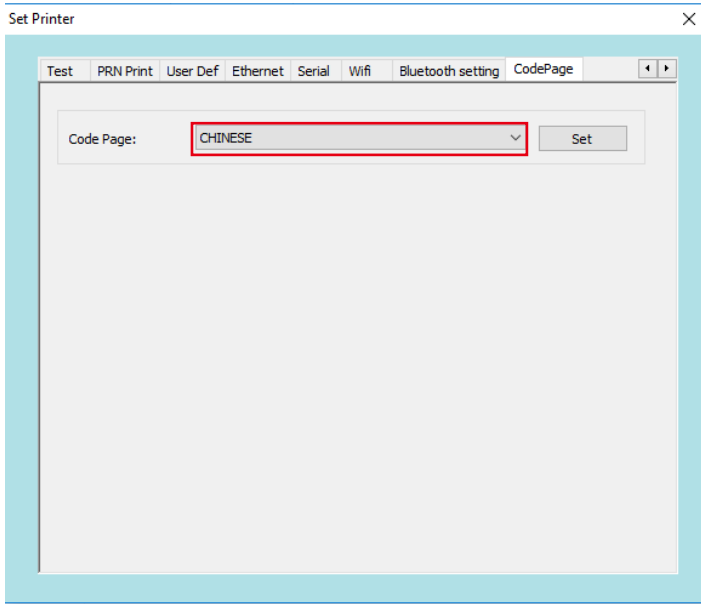
- IP:** 192 . 168 . 1 . 87
- Sub Mask:** 255 . 255 . 255 . 0
- GateWay:** 192 . 168 . 1 . 1
- Port:** 9100
- DHCP:** Disable (selected in a dropdown menu)
- MAC:** 00 00 00 00 00 00

A red rectangular box highlights the IP, Sub Mask, GateWay, and DHCP sections of the form.

Note: After setting the Ethernet IP address, the IP address corresponding to the printer driver network port must also be changed to the set/assigned IP address, so that the printer can be connected.

(7) Character Set Settings

Switch to the character set setting interface, click the drop-down button to select the desired codepage and click Settings.



VII. Cleaning the Printer

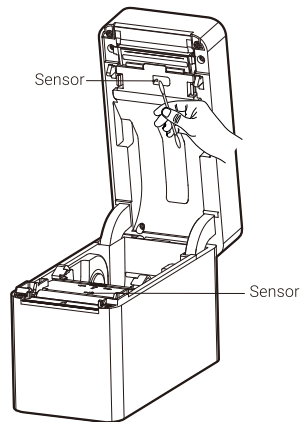
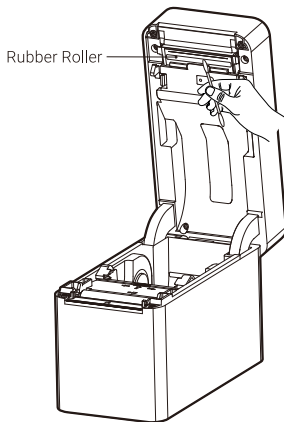
7.1 Cleaning the Printer Head

Clean the print head when one of the following conditions occurs to the printer:

- (1) Printing is not clear.
- (2) A vertical column of the printed page is not clear.
- (3) The paper feeding noise is high.

The print head cleaning steps are as follows:

- (1) Turn off the power supply of the printer, open the upper cover and remove the paper if exists.
- (2) If printing has just been completed, wait for the print head to cool completely.
- (3) Clean the printer head with a soft cotton moistened with ethyl alcohol.
- (4) After waiting for absolute ethyl alcohol to volatilize completely, close the upper cover and try printing again.



7.2 Cleaning the Sensor

Clean the paper shortage sensor when one of the following conditions occurs to the printer:

- (1) In the printing process, the printer occasionally stops printing and alarms for paper shortage.
- (2) No alarm for paper shortage.

The paper shortage sensor cleaning steps are as follows:

- (1) Turn off the power supply of the printer, open the upper cover, and remove the paper if there is any.
- (2) Wipe off the dust and stain on the sensor surface with soft cotton cloth (which should be dried) dipped in absolute ethyl alcohol.
- (3) After waiting for absolute ethyl alcohol to volatilize completely, close the upper cover and try to start the machine again.

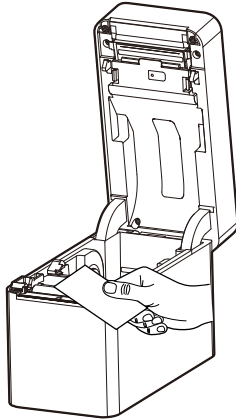
7.3 Cleaning the Printing Rubber Roller

When one of the following conditions occurs to the printer, the printing rubber roller should be cleaned:

- (1) Printing is not clear.
- (2) A vertical column of the printed page is not clear.
- (3) The paper feeding noise is high.

The printing Rubber Rollers cleaning steps are as follows:

- (1) Turn off the power of the printer and open the upper cover.
- (2) Use a soft cotton cloth (which should be dried) dipped in a neutral detergent to wipe off dust and stains on the surface of the printing rubber roller.
- (3) Close the upper cover after the cleaning agent is completely volatilized.



Attention:

- (1) The power supply must be turned off during the daily maintenance of the printer.
- (2) Do not touch the surface of the print head with hands and metal objects, and do not scratch the surface of the print head, printing rubber roller and sensor with tweezers and other tools.
- (3) The organic solvents such as gasoline and acetone shall not be used.
- (4) Wait until absolute ethyl alcohol is completely volatilized, then turn on the power supply to continue printing.

VIII. Troubleshooting

The table below shows common problems and solutions for operators. If you have followed the simple troubleshooting methods but the printer is still not functioning properly, please contact the customer service department of your dealer for assistance.

Fault Phenomenon	Cause	Solution
POWER indicator is off	1. The AC plug and the power supply plug are not properly connected to the printer socket.	1. Check the power connector and ensure that the AC power socket and power supply plug are properly connected to the printer. 2. Check whether the power indicator of the power adapter is on 3. Turn on the power switch.
Unable to print	1. The communication cable is not properly connected to the printer and PC host. 2. Communication interface setting error. 3. Print status error.	1. Reconnect the communication cable. 2. Ethernet See P41 in this manual 3. Printer indicator information, check whether the printer The standby indicator is steady on (refer to P11 in this manual)
Incomplete print content	1. The paper is not centered.	1. Adjust the paper position. 2. Set the correct label size.
Incorrect positioning	1. Label learning is not performed. 2. Seam label detection photo coupler is offset. 3. Wrong mode selected.	1. Label learning is performed. (Refer to P13 of this manual) 2. Open the cover to confirm whether the seam label detection component is offset. For black label paper, move the seam label detection component according to the black label position so that the detection photocoupler can detect the black label. Label paper/continuous paper: The detection photocoupler must be in the paper range. 3. Use the setting tool to open the printer information and confirm whether the paper type is the same as the paper loaded in the printer, which can be changed by using the setting tool.
Poor print result	1. Paper loading error. 2. Print density/speed setting error. 3. Print head/rubber roller has dust or adhesive accumulation. 4. The print head is damaged.	1. Reload the paper. 2. Readjust the print density/speed of printer by using the setting tool or the software. Printing density can be coarsely tuned with the setting tool and finely tuned with the driver. 3. Clean the print head/rubber roller. (refer to 7.1 "Cleaning Print Head"/7.2 "Cleaning Sensor"/7.3 "Cleaning Printing Rubber Roller" of the Manual.) 4. Use the setting tool to detect bad point of head piece. If the print head is damaged, please contact the customer service department of your dealer for repairs. (Refer to this text Manual P39)

IX. FCC WARNING

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure statement.

The device can be used in portable exposure condition without restriction

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.



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