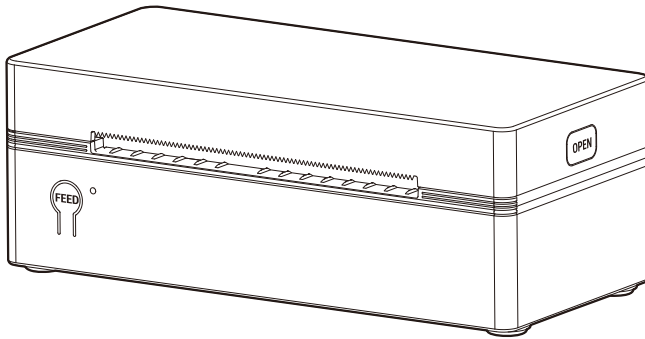


# **LABEL PRINTER**



# **USER MANUAL**

Version:1.0.425 series

# Catalogue

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# Introduction

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Thank you for purchasing our label printer. This electronic single-sheet printer gives you safe, reliable and efficient printing quality at an affordable price. The super function and easy operation of the printer are widely used in express logistics, warehouse management, shopping malls, supermarkets, catering industry, clothing industry and other fields.


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	2026.01	First Release

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




# Safety Instructions

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

- ❶ Please install the printer on a stable surface to avoid printer suffered from any vibration and shocks.
- ❷ Stop using keeping the product in any case of unusual circumstances such as the presence of high temperature, high humidity and serious pollution.
- ❸ 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.
- ❹ 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.
- ❺ Never use the printer without paper, otherwise it will seriously damage the printing rubber roller and thermal head.
- ❻ Unplug the product from the power outlet if the printer is idle for a long time.
- ❼ Do not disassemble or modify the product personally.
- ❽ Use only the power adapter specified in this instruction.
- ❾ 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.
- ❿ Do not plug/unplug the product with the product powered on.
- ⓫ 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.
- ⓫ 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.



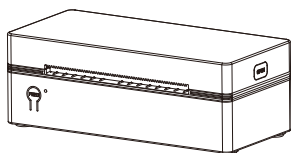
# I. Product Introduction

## 1.1 Product Specifications

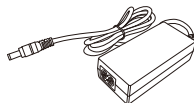
Item		Specification
Printing	Printing Method	Direct thermal
	Resolution	203dpi
	Max.Print Width	4.23"(108mm)
	Max.Print Speed	6 ips(150mm/s)
	Print Length	0.79"-11.81"(20-300mm)
Sensors		Thread mark detection, black mark detection, paper shortage detection, lid opening detection, headplate temperature detection
Media	Types	Label paper, black label paper (lower black label), folding paper
	Width	0.98"-4.37"(25-111mm)
	Thickness	0.0023"-0.0071"(0.06mm~0.18mm)
PEEL-OFF Label Method		Manual paper tearing
Processor		32bit ARM MCU
Memory	RAM	2MB
	FLASH	4MB
Function	Button	Power Button, Feed button, Open cover button
	Pilot Light	Present
	Buzzer	Buzzer warning
Interface		Bluetooth+USB
Emulation		ZPL+ESC
Fonts		ASCII Font: 10x12, 14x20, 16x24, 24x32, 36x48, 14x19, 21x27, 14x25, 12x24
Code Pages		CP437, CP850, CP852, CP860, CP863, CP865, CP866, WPC1250, WPC1251, WPC1252, WPC1253, WPC1254
Barcode	1D	Code39, Code39C, I25, Code93, ITF25, EAN128, Code128, Codabar, EAN-8, EAN8+2, EAN8+5, EAN-13, EAN13+2, EAN13+5, UPCA-A, UPCA+2, UPCA+5, UPCE-E, UPCE+2, UPCE+5MSIC, ITF14,EAN14, Code11
	2D	QRCODE, PDF417(Optional)
Software	Driver	XP/Win7/Win8/Win10/Win11/macOS/Chrome
	SDK	Android、ios、 windows
	Label Design	Barcode label editing software(PC), APP
Power Adopter		I/P: AC 100-240V , 50/60Hz
		O/P: DC 24V/2.5A
Environment	Operation	Temp: 32-104°F(0-40°C); Humidity: 20-90%, Non-Condensing
	Storage	Temp: 14-140°F(-10-60°C); Humidity: 5-95%, Non-Condensing
Physical Characteristics	Dimension	180*83*65mm
	Weight	0.57kg

## 1.2 Unpacking List

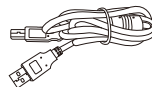
After receiving the printer, please first check whether it has been damaged during transportation. You can inspect the packaging box, the exterior of the printer, and the accessories for any signs of breakage. If any transportation damage is found, please immediately submit a written claim to the carrier. Also, please check the product accessories; if any parts are missing, contact the after-sales service promptly.



Printer



Adapter



USB Cable



Power Cord



User Manual

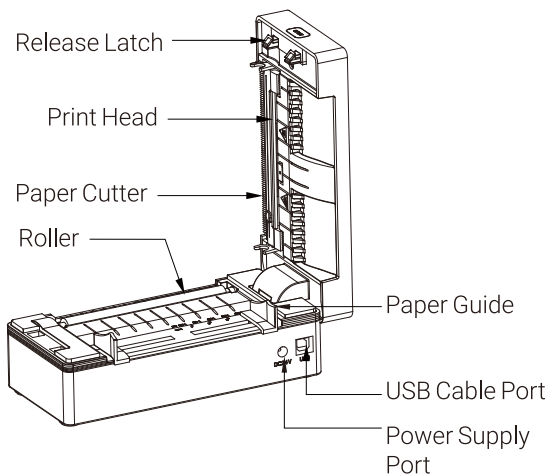
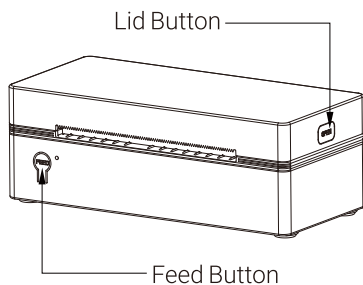



Type-C Adapter



**Note:** If any accessories are missing, please contact after-sales service.

## 1.3 Appearance and Structure



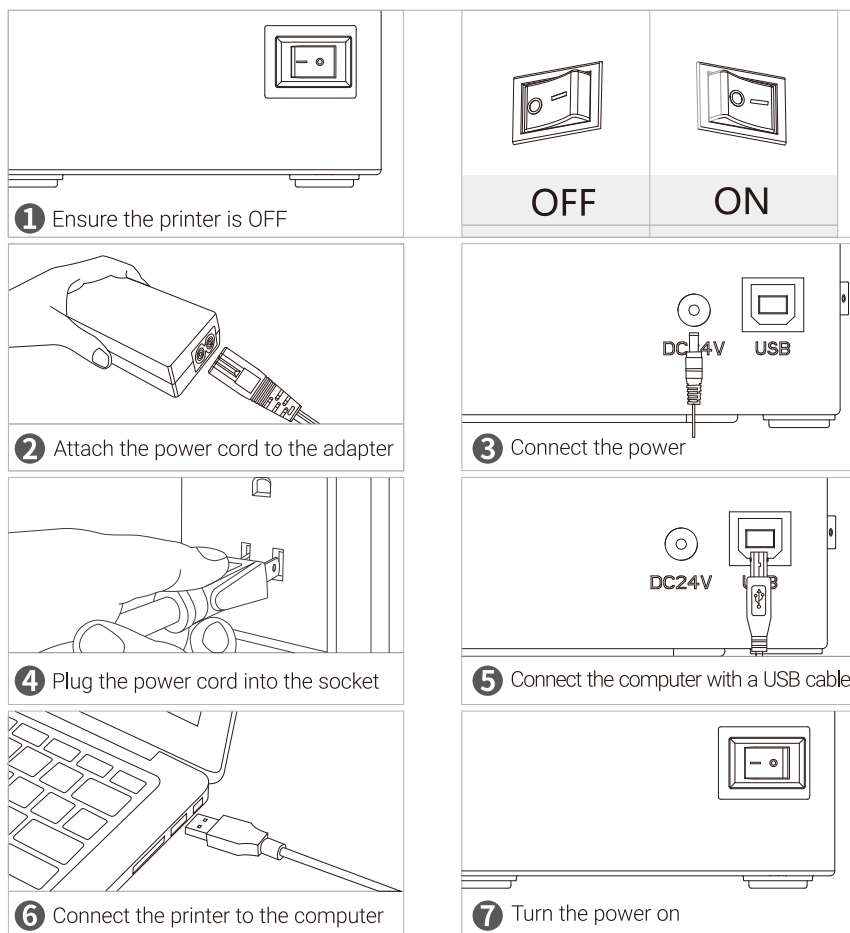
 **Note:** The interface is optional or customized. The specific interface is subject to the actual object.

## II. Installation and use

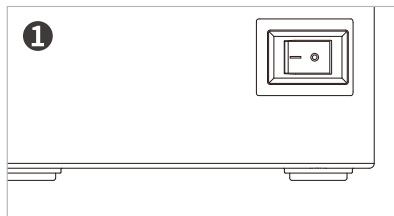
### 2.1 Printer connection

#### Note:

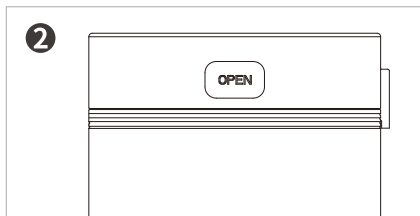
- Ensure the printer is OFF.
- Use original power adapter only in case harm or injury.
- Unplug if no use in a long time.



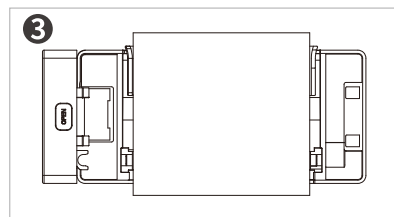
## 2.2 Load printer paper



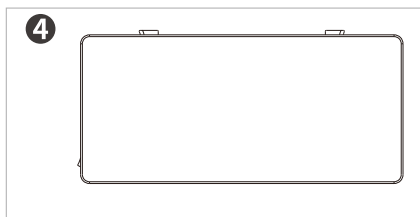
Ensure the printer is OFF



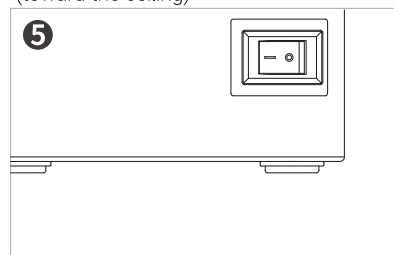
Press to open the top cover



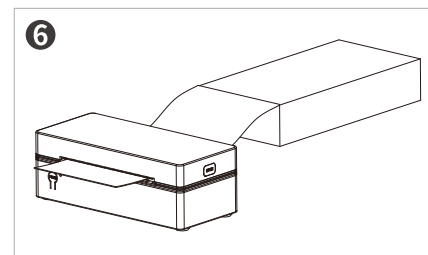
Load the label and adjust the paper guide to fit the width of paper.  
The label you peel off should be facing up (toward the ceiling)



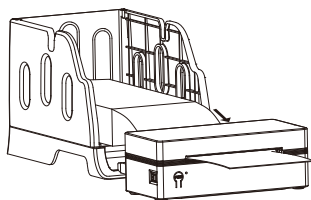
Carefully close the cover



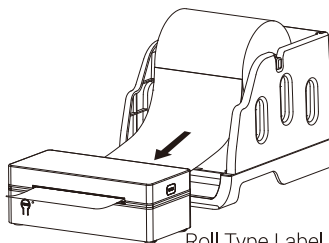
Turn the power on



Labels will automatically align at the torn edge for printing.





Fan-fold Type Label Loading  
(Label holder not included)



Roll Type Label Loading  
(Label holder not included)

## 2.3 Button and Indicator Light Instructions

### Button Function instructions

Button	Function description	Controls
Power button	Turn on	Press the power button to the "I" position for turn on 
	Turn off	Press the power button to the "O" position for turn off 
FEED button	Pause printing/ Resume printing	Press the [ FEED Button ] during the printing process, and the printer will pause the current printing task. When the [ FEED Button ] is pressed again, the printer will continue with the original printing task.
	Paper feeding	Press the [ FEED Button ] in standby mode. When the paper is not continuous, one label will be fed; when the paper is continuous, 2cm of paper will be fed.
	Label learning	In standby mode, press and hold the [ FEED Button ] for 3 seconds and you will hear a "beep" "beep" sound. Release the [ FEED Button ] and the printer will power button label learning.
	Print the self-test page	In standby mode, press and hold the [ FEED Button ] for 3 seconds and you will hear a "beep" "beep" sound. Release the [ FEED Button ] and the printer will power button label learning.
	Factory data reset	Press and hold for 10 seconds with the cover open. When the beeping sound briefly disappears, release the button and restore the factory Settings.

### Indicator light instructions

Indicator light status	Status declaration	
The indicator light remains on constantly	Normal standby	
Indicator blinking	Buzzer alarm	
Buzzer alarm prompt	2 sounds	Abnormal alarm for print head connection
	3 sounds	Paper shortage alarm
	5 sounds	Overheating alarm of the head piece
	6 sounds	Alarm when the cover is opened
	7 sounds	No seam mark alarm was detected

## 2.4 Label learning



**Note:** In the following cases, users can perform label positioning learning to facilitate better label positioning for the printer.

- Paper recognition error
- Inaccurate paper positioning
- First-time installation and use of the printer;
- First use of the printer after cleaning the sensor;
- Resuming use after the printer has been idle for an extended period;
- Replacing with a new type of paper roll;
- During the printing process, the printer fails to effectively recognize markers.

While the printer is in the ready state, install the label paper roll and press and hold the **[ FEED ]** button for 3 seconds. Release the **[ FEED ]** button after the status indicator flashes twice, and the printer will begin learning and feeding paper. Note that learning is invalid if performed while the printer is in continuous paper mode.

Users can also complete the learning process via the printer tool settings.  
(For details, refer to "Label Tool Instructions" on page 33.)

## 2.5 Print the self-test page

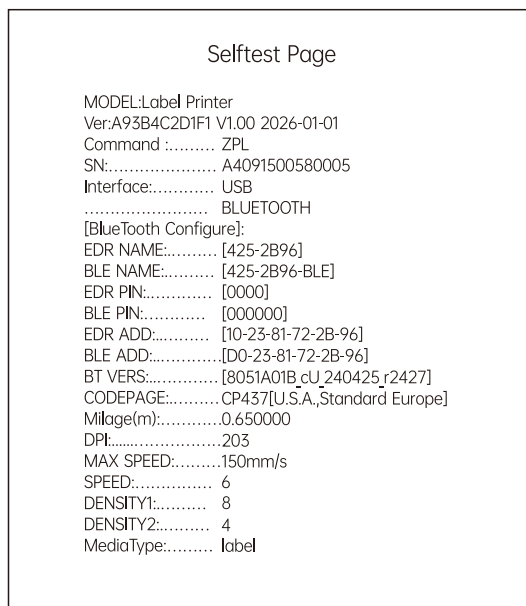
You can perform a self-test procedure during the initial printer setup or when encountering any issues to verify the following statuses:

- Firmware version
- Printer parameter settings
- Print quality
- Configuration information related to external devices, etc.

If no issues are detected with the printer after the self-test, please check other devices or software. This function operates independently of other devices or software.

The self-test method is as follows:

- 1) Ensure the power is connected and the paper roll is correctly installed.
- 2) Verify that the printer is turned off and the top cover is fully closed.
- 3) Press and hold the **[ FEED ]** button, then press the [Power] button to turn on the printer. Release the buttons after the printer powers on.



Self test page sample schematic




**Note:** The parameters on the self-test page vary for each printer.


The "Self-Test Sample Page" is for illustration only; please refer to the actual parameter information.




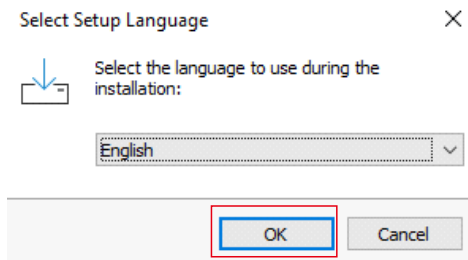
# III. Windows: Driver installation instructions

 **Note:** For the download link of the Mac driver, please contact after-sales support or an authorized agent.

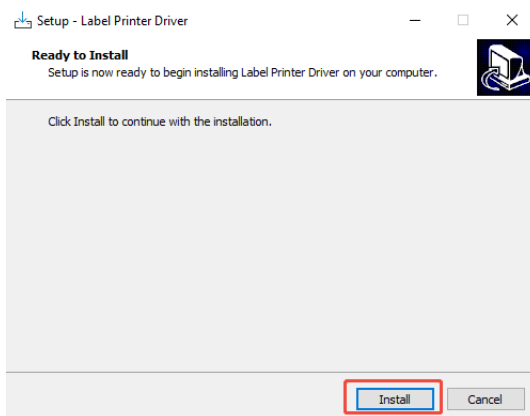
## 3.1 Drive installation

 **Note:** Before installing the driver, make sure the power supply is connected and the USB cable is connected to the computer. The following images may vary depending on the operating system on your computer. The following example is based on the Windows 10 operating system. You are advised to close related security protection software before installing the driver. Drivers are integrated drivers that automatically install drivers that match the printer instruction language.

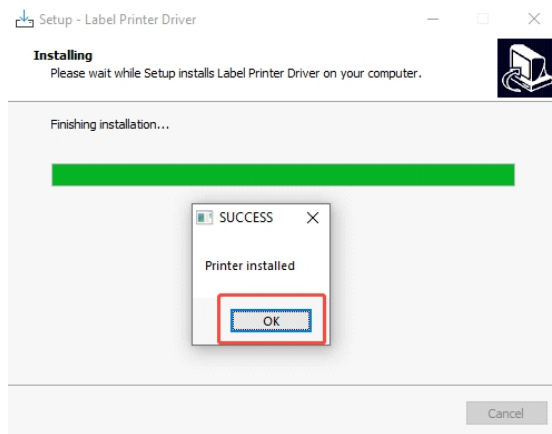
- (1)  **LabelPrinterDriverInstall** Double-click the driver, the dialog box as shown below pops up, select the installation language, click **"OK"**, as shown below;



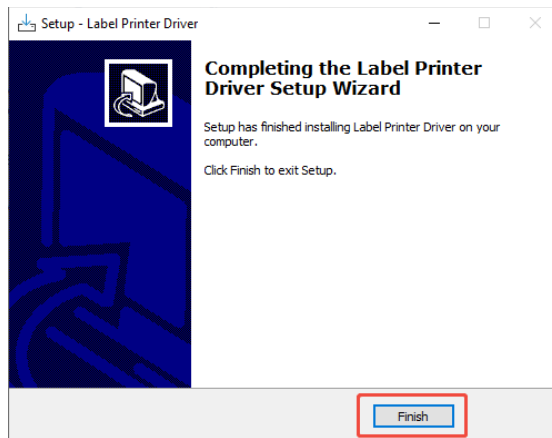
- (2) Pop up the dialog box as shown below, select **"Install"**;



(3) Click "OK";



(4) Click "Finish" to complete the driver installation;



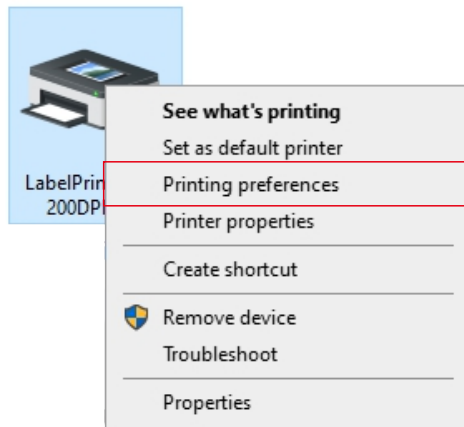
(5) You can find the installed printer icon in Control Panel ----> Devices and Printers.



## 3.2 Driver Usage

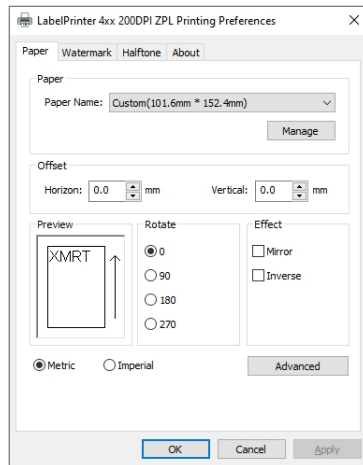
Under normal circumstances, the driver can be used after installation, the default printing paper size of the driver: 101.6mm\*152.4mm, if the user's printing paper size is inconsistent with the default paper size, it needs to be reset, if not reset, the print may be missing or cannot be printed normally, the specific setting method is as follows:

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

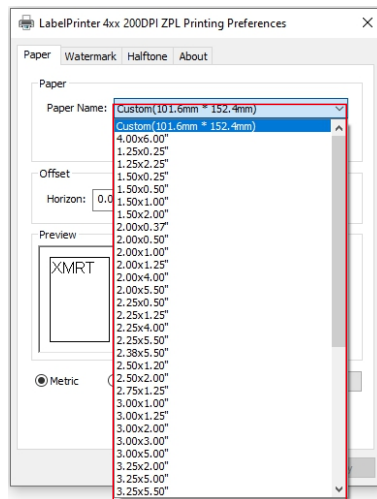


## 1) Paper

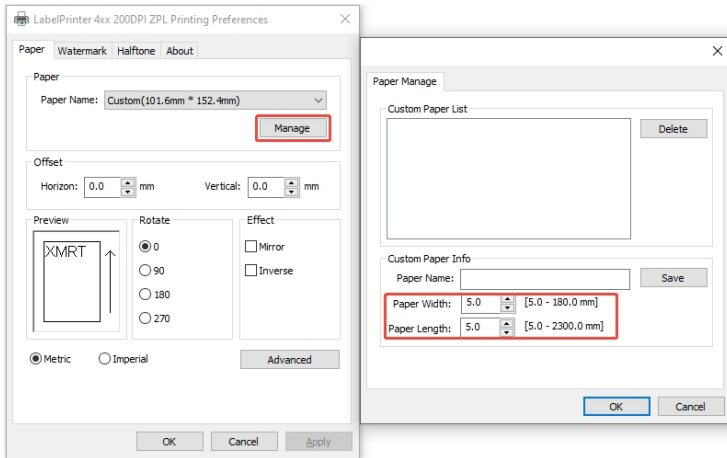
In the **"Paper"** option, you can set the paper, offset, effect, etc.



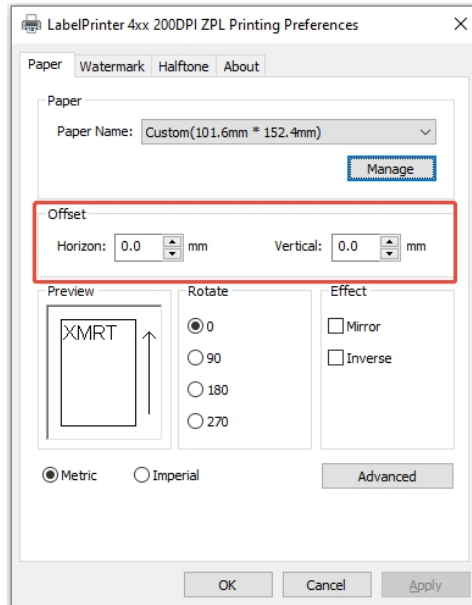
- Drop down **"Paper Name"** and select the paper size according to the actual paper size. Default size (101.6mm\*152.4mm)



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



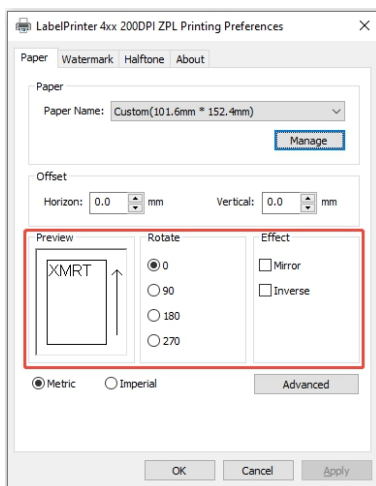
- Click **"Horizon"** or **"Vertical"** to set the horizontal and vertical printing margins.



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

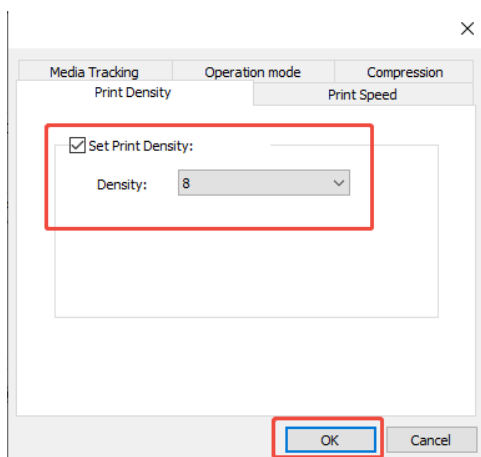
**Rotate:** Printing in different directions can be set.

**Effect:** The image can be mirrored or reversed printed.

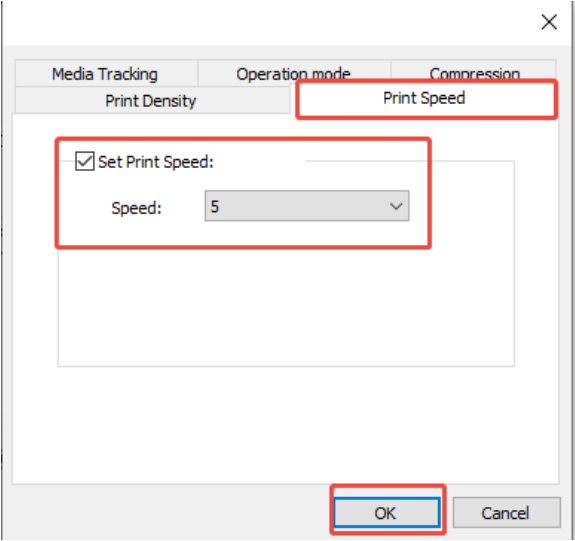


- Select Advanced Settings.

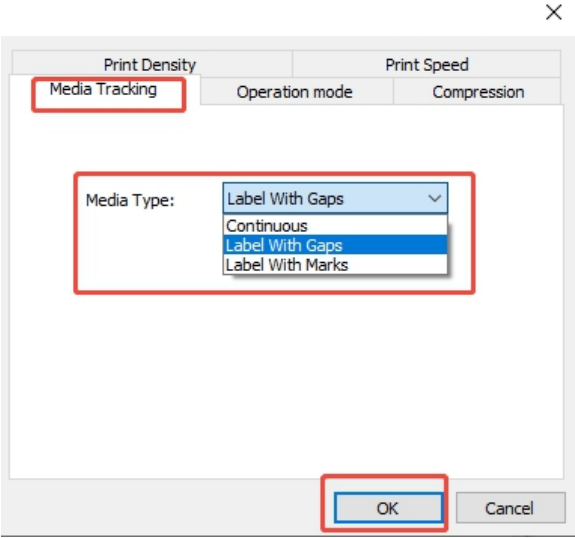
**Set print Density:** due to the inconsistency of the color degree of the paper, the printing concentration parameter is increased if the printing effect is light, and the printing concentration parameter is reduced if the printing is strong.



**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".



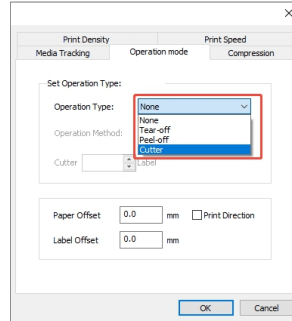
**Operation mode:** You can set the operation mode:  
**Tear-off, Peel-off, Cutter**

**Tear-off:** Use this mode when the cutter is not installed.

**Cutter:** Use this mode when the cutter is installed.

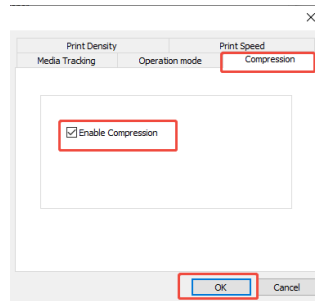
### Paper Offset、Label Offset

Adjust the parameters here, modify the offset, and debug until it is satisfactory.



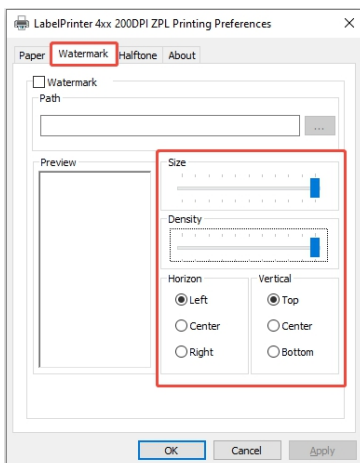
### Compression

"Compression" can reduce the amount of data transmission, alleviating the problem of slow printing and lagging caused by excessive data volume. If the printing is not smooth, check whether the option is selected (it is already selected by default).



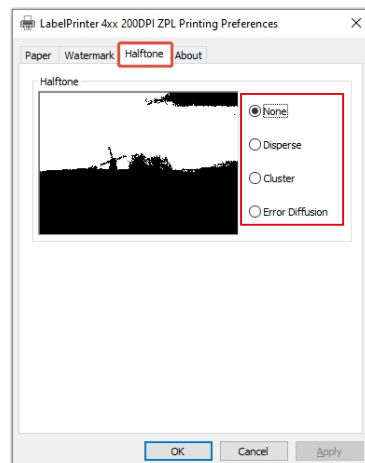
## 2) Watermark

Watermarks can be added to the labels here.



## 3) Halftone

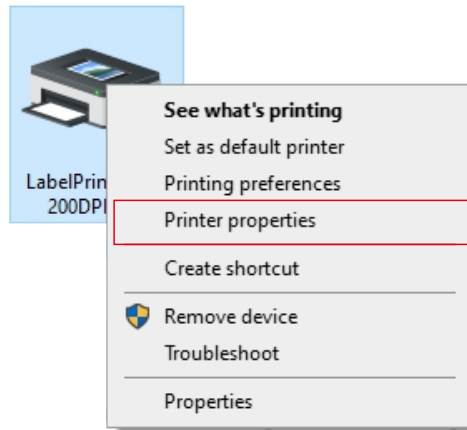
Adjustable picture printing effect.



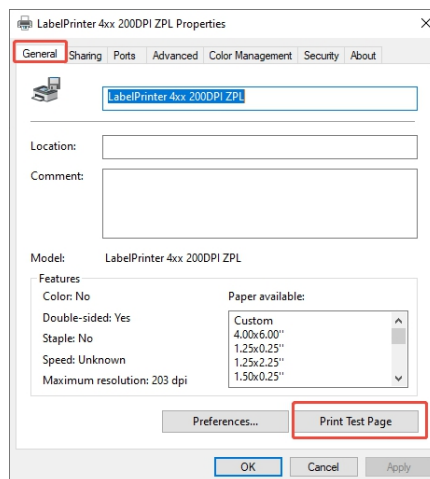


## (2) Printer properties

- 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.



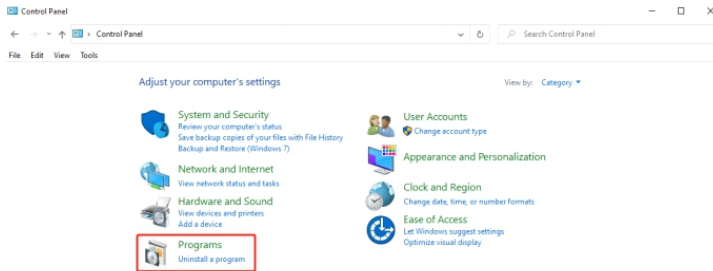
Select **"Print Test page "**, if the test page can be printed normally, it indicates that the printer is correctly connected to the PC and configured, and the printer can be used normally.

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

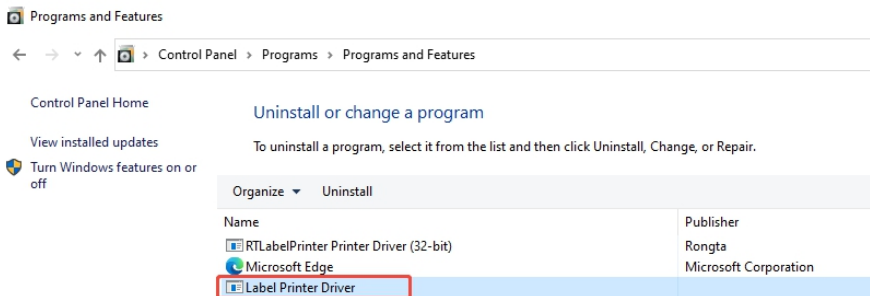


### 3.3 Uninstalling the Driver

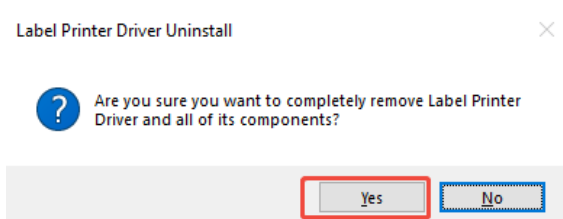
(1) Open "Control Panel" - "Programs";



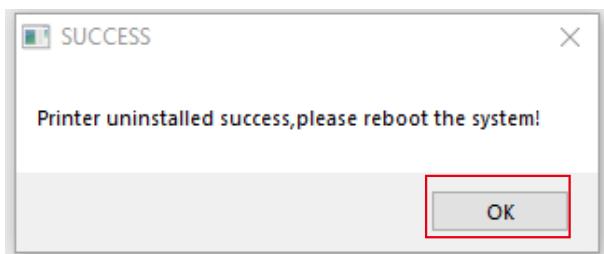
(2) Select "Label Printer Driver" and right-click Uninstall.



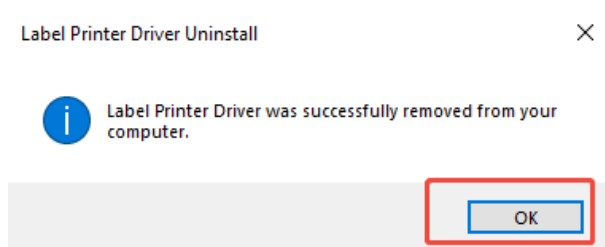
(3) Click "Yes";



(4) Click "OK";



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



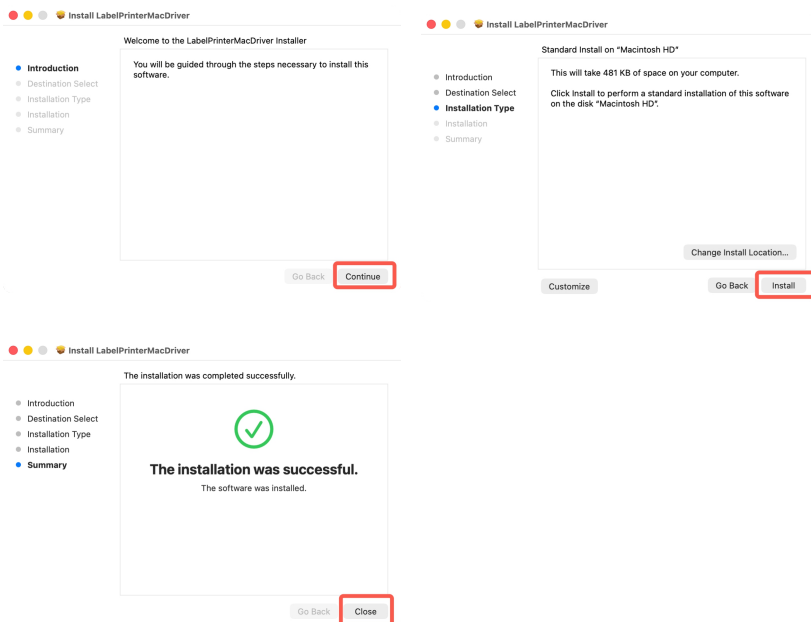
## IV. Mac: Driver installation-USB

### 4.1 USB Driver Installation (Mac)



**Note:** For the download link of the Mac driver, please contact after-sales support or an authorized agent.

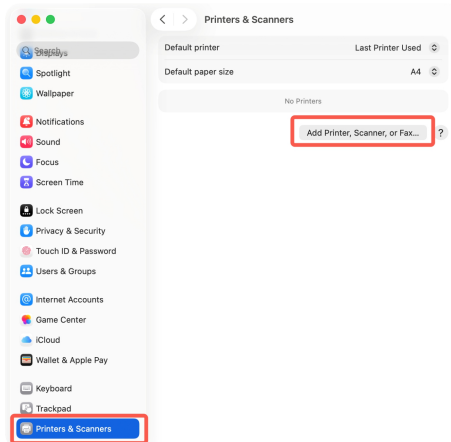
Double-click the driver software and follow the prompts to complete the installation. Click **"Continue"** --> click **"Install"** and follow the prompt to complete the installation.



At this moment, only the driver is installed. In addition, it needs to add the printer on Mac OS.

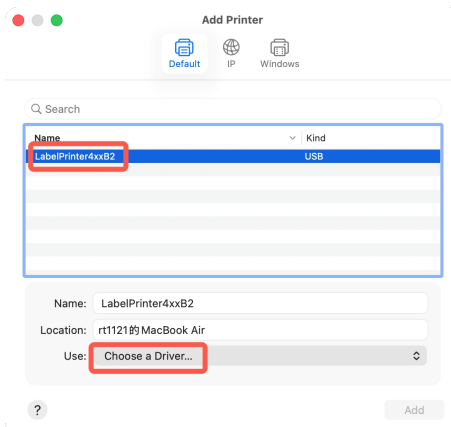
## 4.2 Add Printer on Mac

(1) Please select **"Printers & Scanners"** ----> select **"Add Printer, Scanner, or Fax"** open it.

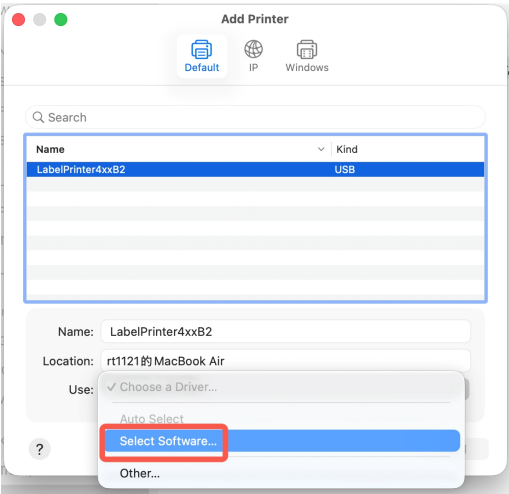


(2) Please select **"LabelPrinter4xxB2"** ----> Please **"Choose a driver..."**;

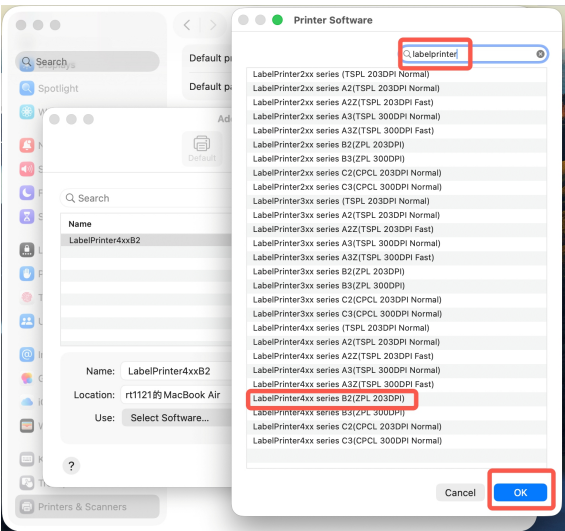
(If the printer is not found after installing LabelPrinter4xxB2 on your Mac, try reconnecting the USB cable and the device will appear normally. This method can resolve the issue.)



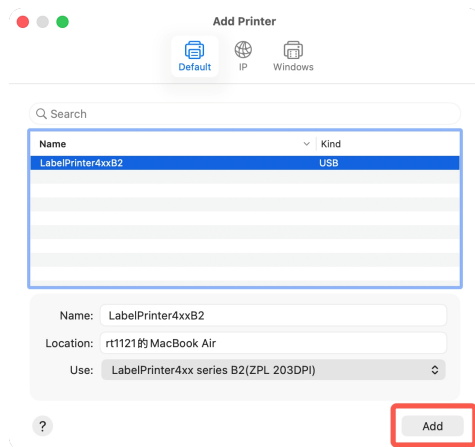
(3) Use "Select Software...";



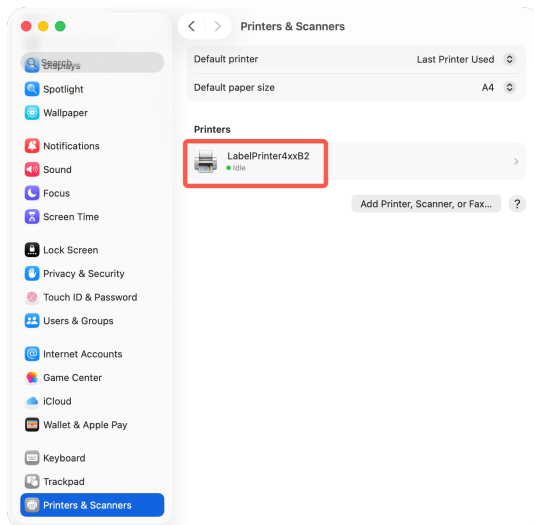
(4) Enter "LabelPrinter" to find "LabelPrinter4xx series B2(ZPL 203DPI)";



(5) Select **"Add"**;



(6) When the driver is installed, connect the Printer USB to your computer and go to Settings --> Printer & Scanners, you can see the **"LabelPrinter4xxB2"**.



### Note

1. After installation, the printer model (command, resolution) will be automatically recognized.
2. After the USB driver is successfully installed, select the corresponding printer in the application software's printing menu to achieve printing.



## V. Barcode label editing software installation and use

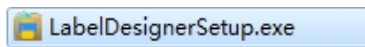
---

### 5.1 Software Download

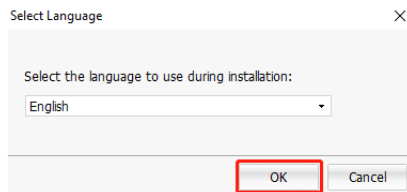
For the software download link, please contact after-sales service.

### 5.2 Software Installation

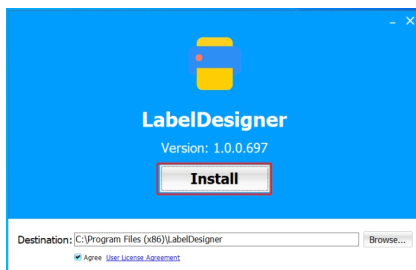
(1) Double-click the label editing software;



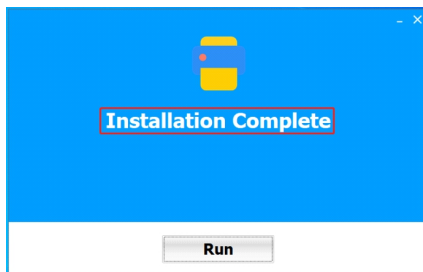
(2) Select the language you want to use and click "OK";



(3) Click "Install";



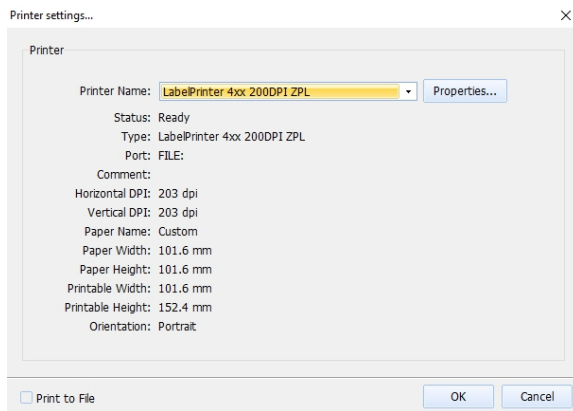
(4) Click Experience Now to complete the installation.



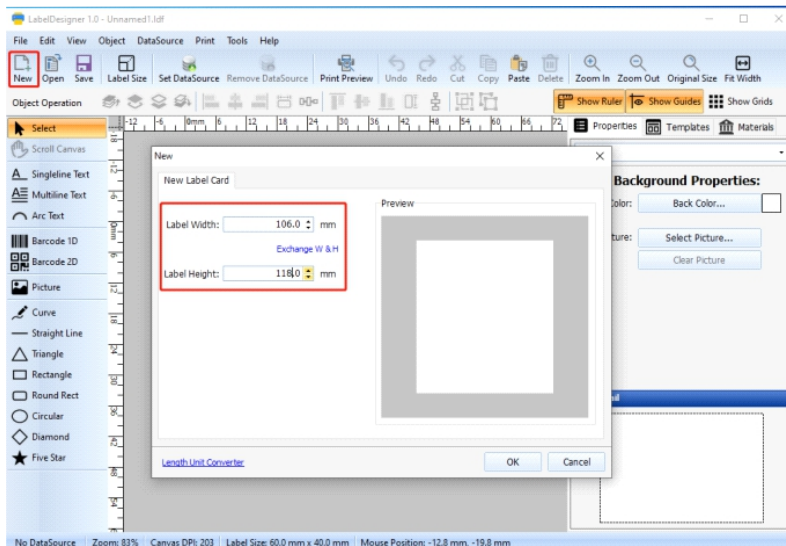
## 5.3 Tag editing software used

(1) Double-click Barcode Label Printing System.

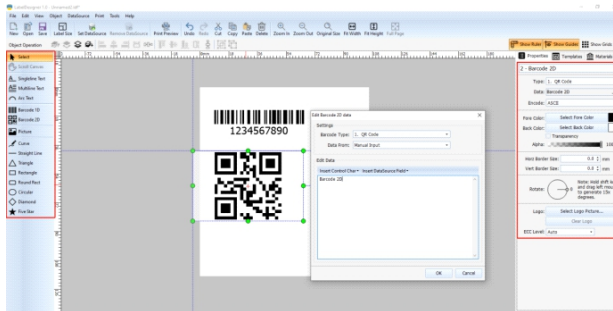
The following dialog box is displayed. Select the installed printer driver and click OK.



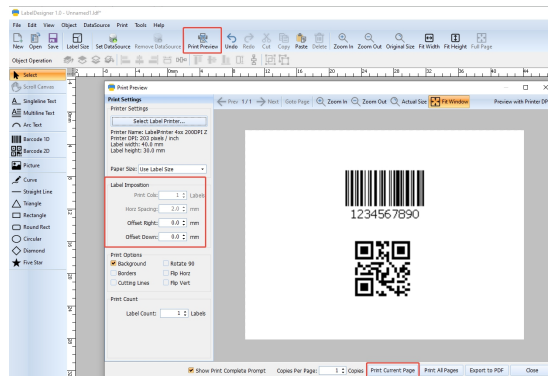
(2) Select "New" in the upper left corner of the title bar, enter the actual label size, and click "OK".



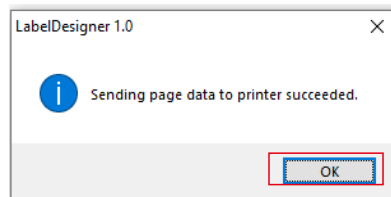
- (3) Edit text or draw graphics according to the left toolbar, and change parameter information in the right property bar, as shown in the following figure.



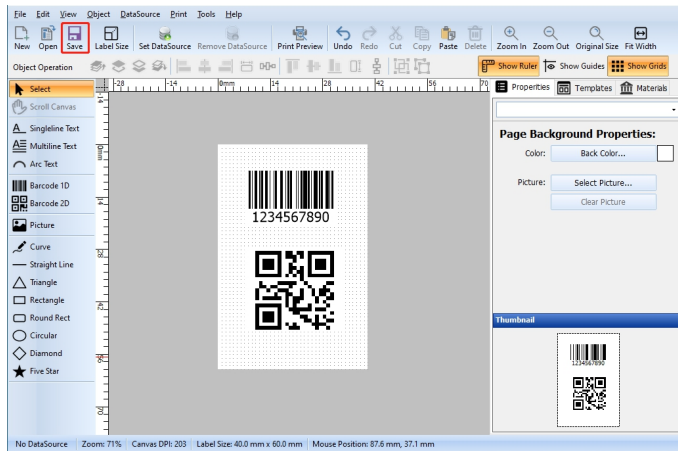
- (4) If the content information is edited well, select **"Print preview"** in the title bar -- select **"Print current page"**; If the preview print effect is not satisfactory, you can set it by "Label layout" and "Print options" in the left setting bar of the preview interface.



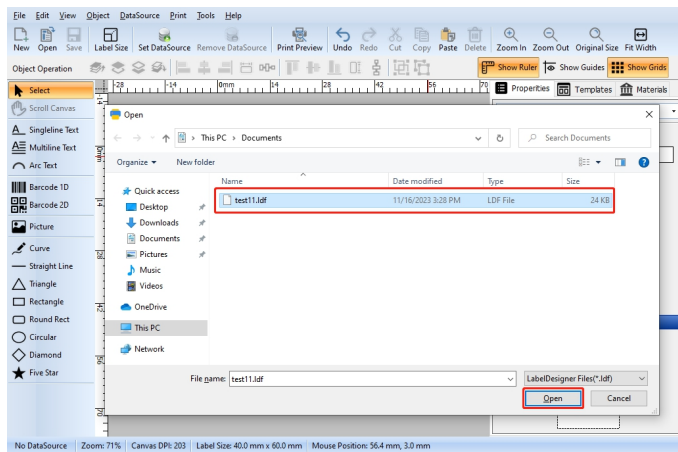
- (5) If the following screen is displayed, the printing succeeds.



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



- (7) 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.



## V|. Windows: Printer Configuration Tool User Guide

### 6.1 Label printing tool download

For the "LabelPrinterTool" download link, please contact after-sales service.

### 6.2 Usage Instructions

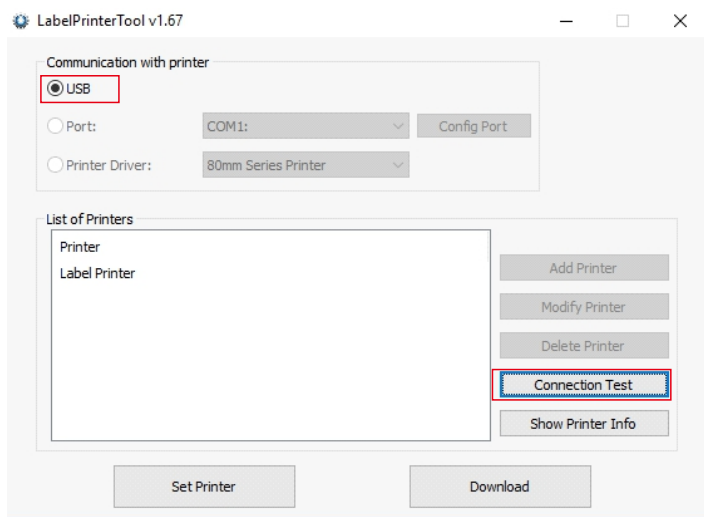
The printer must be ready before using the setup tool:

- (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:

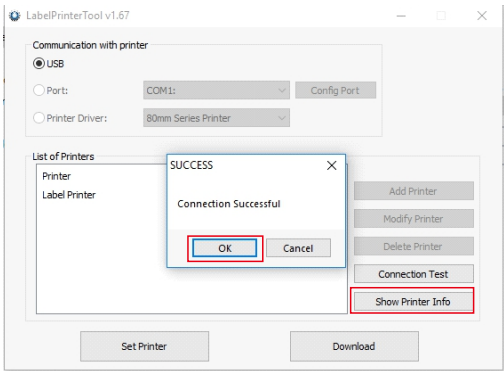
LabelPrinter  
Tool



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

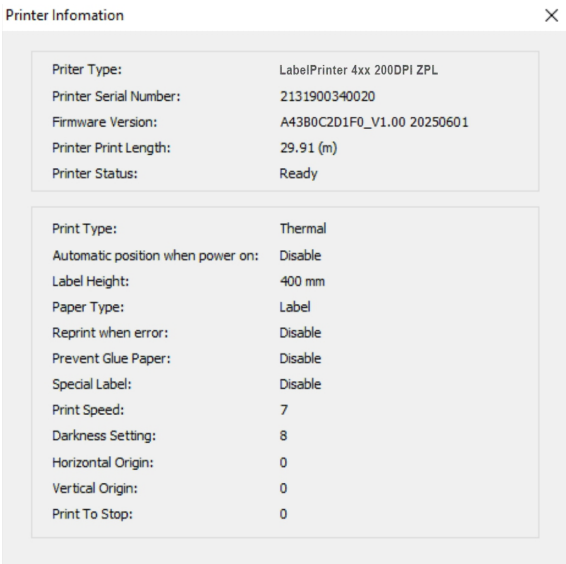
 **Note:** The tool version number is subject to the actual version, and screenshots in this manual are for reference only.


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).



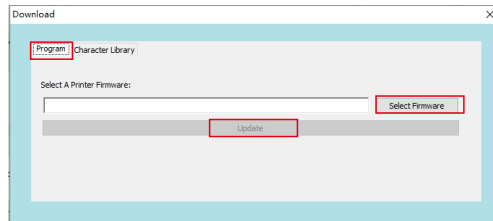
### 6.4 Displaying Printer Information

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

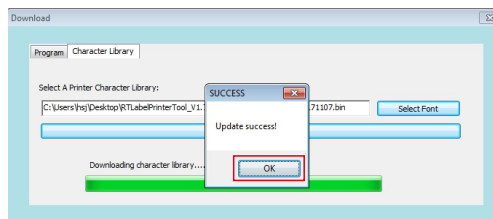
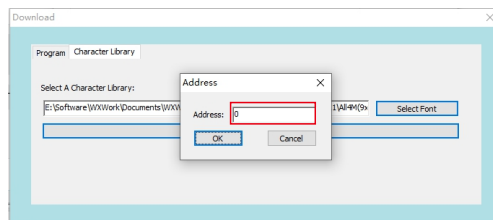
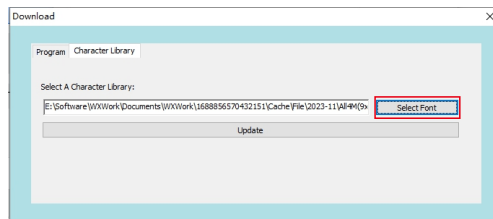


 Note: The information for each printer is different. Please refer to the actual settings.

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 open the file, and then click **"Update"**. After the interface shows that the update is successful (do not manually power off), the printer will enter the update mode (the light is off). About 5-10s later, the printer will automatically restart (the light is on). At this time, you can click **"Show printer information"** or **"Print self-test page"** to confirm whether the update is successful.



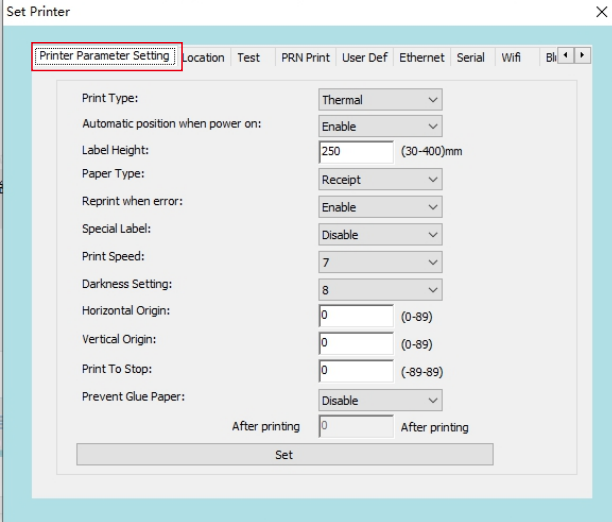
If the user wants to change the font by himself, he can select **"Character Library"**, click **"Select Font"** to select the font, and then click **"Update"**. When the interface address pops up: the default address is **"0"**, after clicking OK, the update progress will be displayed until the update is successful, and the printer will be restarted after the font library is updated.



## 6.5 Tool setup

### (1) Print setup

Click **"Set printer"** to pop up the following window, you can change the basic parameters in the print setting interface.



The screenshot shows a 'Set Printer' dialog box with a light blue border and a close button (X) in the top right corner. The 'Printer Parameter Setting' tab is selected and highlighted with a red rectangle. The dialog contains several settings for a printer, each with a label and a control element (dropdown menu or text input field).

Setting	Value
Print Type:	Thermal
Automatic position when power on:	Enable
Label Height:	250 (30-400)mm
Paper Type:	Receipt
Reprint when error:	Enable
Special Label:	Disable
Print Speed:	7
Darkness Setting:	8
Horizontal Origin:	0 (0-89)
Vertical Origin:	0 (0-89)
Print To Stop:	0 (-89-89)
Prevent Glue Paper:	Disable
After printing	0 After printing

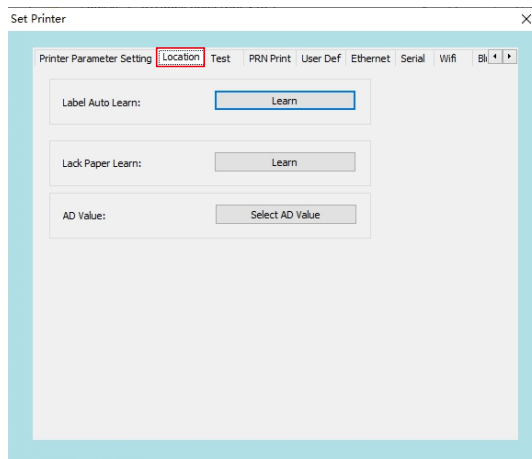
At the bottom of the dialog, there is a 'Set' button.



## (2) Label calibration

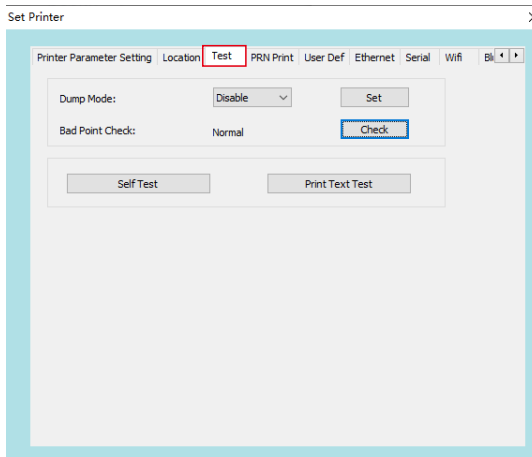
When the printer is ready, switch to the label calibration interface (as shown in the figure below) :

- **Label Auto Learn:** by learning to identify the size of the loaded paper;
- **Lack Paper learn:** It can solve the problem that when there is no paper or the learning label cannot find the seam mark, click the lack of paper learning in the case of no paper and close the cover. Finally, reload the paper for automatic label learning.



## (3) Print test

Print the test interface as shown in the figure below.



- **Dump Mode:** Default off, on the printer to print the original data sent, convenient for us to find errors.
- **Print head bad spot detection:** When the printer is ready, click **"Detect"** to check whether the print head is normal
- **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.
- **Print Text Test :** The following figure shows that 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.

Print Text Test

Please enter text you need print:

Print Text Test

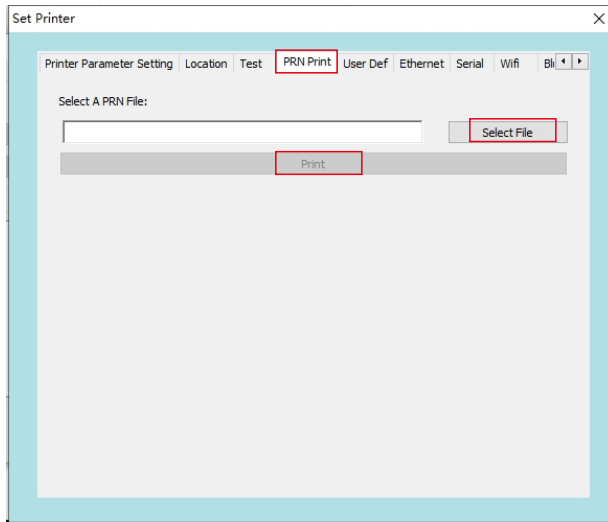
Setting the print area use label

Printable Width: 50 mm Printable Height: 30 mm

Print Exit

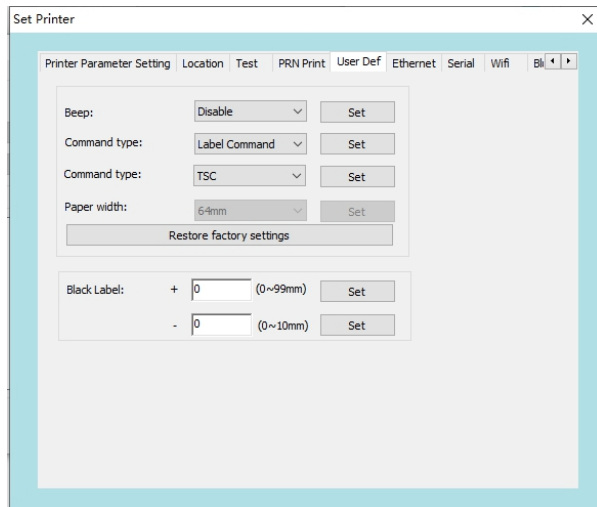
#### (4) PRN print

Click **"Select File"**, select a PRN file and click **"Print"** to print the PRN file.



#### (5) User Def

Switch to the **"User Def"** interface, as shown in the following figure, you can set **"Buzzer sound"** on and off, **"Command type"**, **"Restore factory Settings"**.



## (6) Ethernet Settings

On the Ethernet interface, you can set Ethernet parameters.

- Set the IP address of the printer to **192.168.1.87**, and set the communication port.
- Set the subnet mask of the printer to **255.255.255.0**.
- Set the gateway of the printer to **192.168.1.1**.
- Set the DHCP function of the printer. The DHCP function of the printer is disabled by default, and can be enabled if necessary. Let the printer automatically get the IP address.
- Set the MAC address and the network transmission rate.

**⚠ Note:** Before setting the URL, if the printer is connected in the following two ways: **"One"** uses **"Network port"**, **"two"** print the IP address in the driver mode, after changing the IP address, the printer's IP address has been changed. In this case, the printer is disconnected from the tool. You need to reset the IP address of the tool to connect to the printer. Other connection methods have no effect.


The screenshot shows the 'Set Printer' dialog box with the 'Ethernet' tab selected. The 'IP' radio button is selected, and the IP address is set to 192.168.1.87. The Sub Mask is 255.255.255.0, and the GateWay is 192.168.1.1. The Port is 9100. The DHCP function is set to 'Disable'. The MAC address is 00:00:00:00:00:00. A red rectangle highlights the IP, Sub Mask, GateWay, and DHCP settings.

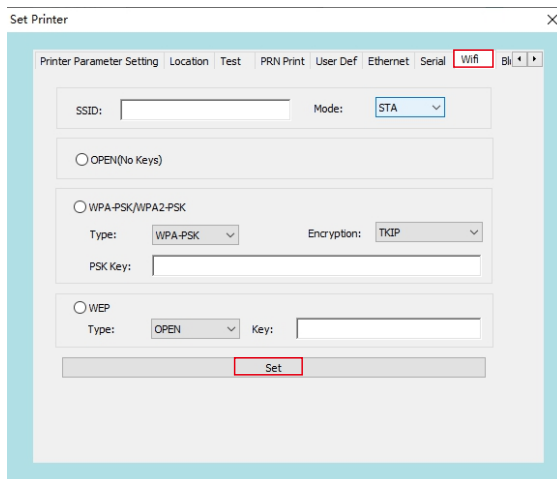
Printer Parameter Setting	Location	Test	PRN Print	User Def	Ethernet	Serial	Wifi	Bluetooth
<p><input checked="" type="radio"/> IP <input type="radio"/> DHCP</p> <p>IP: 192 . 168 . 1 . 87 Port: 9100 Set</p> <p>Sub Mask: 255 . 255 . 255 . 0</p> <p>GateWay: 192 . 168 . 1 . 1</p> <p>DHCP: Disable Set</p> <p>MAC: 00 00 00 00 00 00 Set</p>								

## (7) WiFi Settings

### Printer WiFi parameter Settings

- Open the downloaded **"LabelPrinterTool"**;
- According to this setup tool manual, first make sure to connect the printer;
- Open the setup tool and select **"WiFi Settings"**;
- Enter the SSID (the name of the wireless) to which the printer is to connect, and the corresponding mode;
- Enter the wireless encryption type, and enter the WiFi password, for example: add wireless **"rdhz"**, password encryption type is WPA-PSK, and enter the wireless password, click **"Settings"**;
- After clicking **"Set"**, the printer will print out the set wireless parameters. Please print the self-test page to check the printed wireless parameters. Compare with the router, if correct, please wait patiently, the printer will connect to the wireless network within 1 minute, if the printed none. The line parameters are different from those on the router. Please reset them and repeat the preceding steps.

 **Note:** The default IP address of the printer is **192.168.1.87**. If the IP address of the printer and the IP address of the wireless router are not in the same network segment, you need to set the IP address of the printer so that the IP address of the printer and the router are in the same network segment.

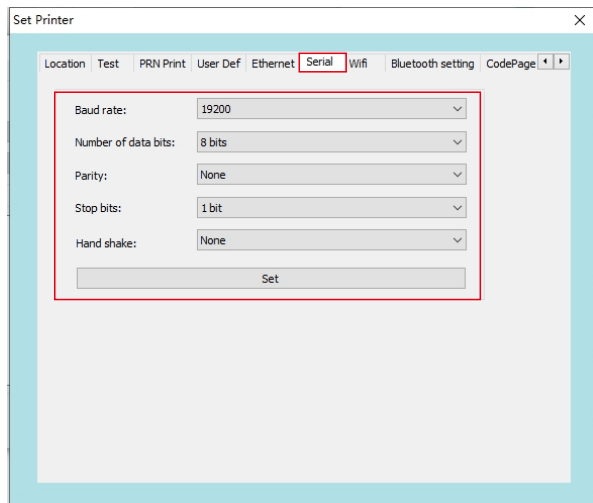


The screenshot shows the 'Set Printer' application window with the 'WiFi' tab selected. The interface includes the following elements:

- Printer Parameter Setting** | Location | Test | PRN Print | User Def | Ethernet | Serial | **Wifi** | Bl |
- SSID:** [Empty text field]
- Mode:** [STA dropdown menu]
- ☐ **OPEN(No Keys)**
- ☐ **WPA-PSK/WPA2-PSK**
  - Type:** [WPA-PSK dropdown menu]
  - Encryption:** [TKIP dropdown menu]
  - PSK Key:** [Empty text field]
- ☐ **WEP**
  - Type:** [OPEN dropdown menu]
  - Key:** [Empty text field]
- Set** button (highlighted with a red box)

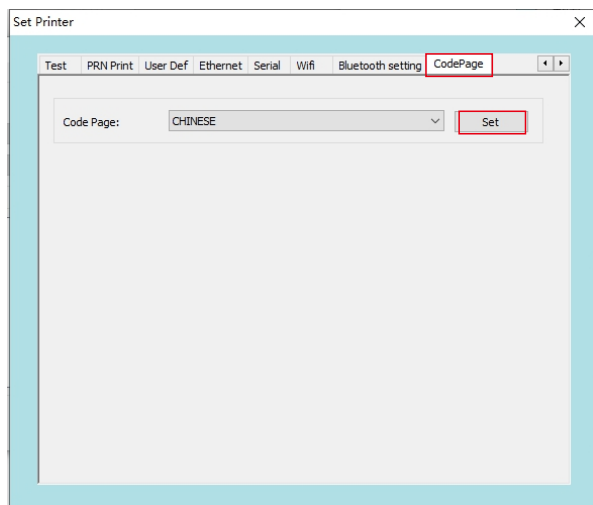
## (8) Serial port Settings

Serial port Settings screen allows you to set serial port parameters.



## (9) CodePage setting

On the **"Codepage "** setting screen, click the drop-down key to select the desired character set and click "Set".

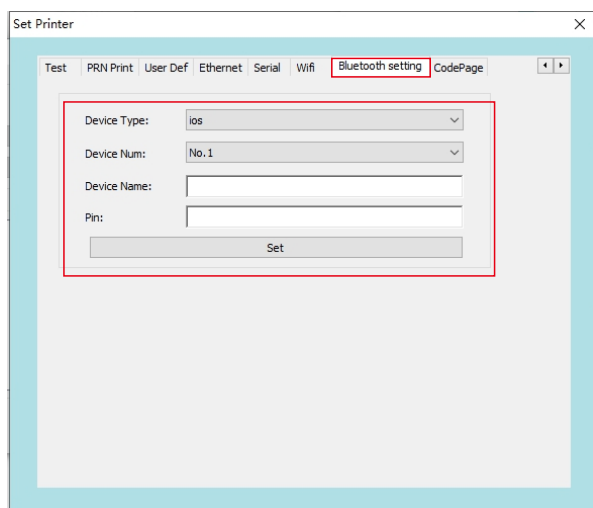


## (10) Bluetooth Settings

If the printer has Bluetooth function, you can set the parameters of Bluetooth.

- First press and hold the printer's [ paper key ], then turn on the machine, and print out the printer's self-test page. From the self-test page, find the printer's Bluetooth pairing name and password;
- If necessary, you can modify the Bluetooth pairing name and password, this time to use the "label printer tool" in the "Bluetooth Settings" function, as shown in the following figure;
- Enter the "Device Name" and "Pin" of the printer Bluetooth to be modified, and click "Settings". After the printer is restarted, the Settings are changed successfully.(The device type needs to select Android or IOS system, if it is IOS system Pin needs to be set to 6 characters, if it is Android system Pin set to 4 characters);Open the main device and search for external Bluetooth devices;
- Find the Bluetooth printer you just modified, enter the corresponding password, and complete the pairing. The printer must be turned on when pairing.

**⚠ Note:** When pairing, do not turn on multiple printers at the same time, otherwise you may not be able to determine which printer is successfully paired.

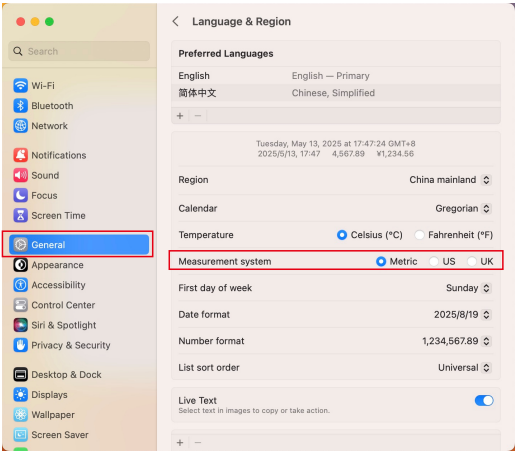


**⚠ Note:** For the interface settings in the printer setup tool, please refer to the interfaces supported by the printer. The manual only provides an introduction to the full functionality of the setup tool.

# VII. Mac: Printer Setup Tool User Guide

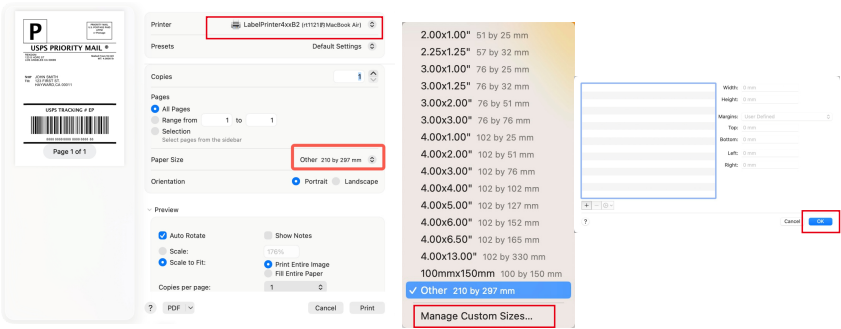
## 7.1 Unit Settings

Unit Switching --> "General" --> "Measurement system".



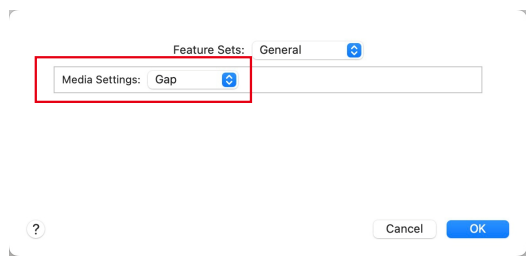
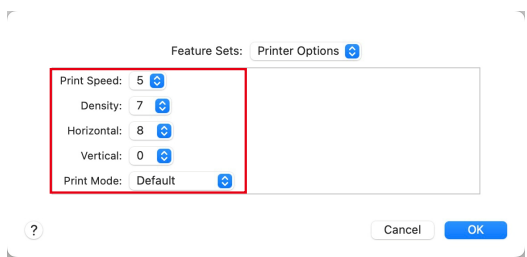
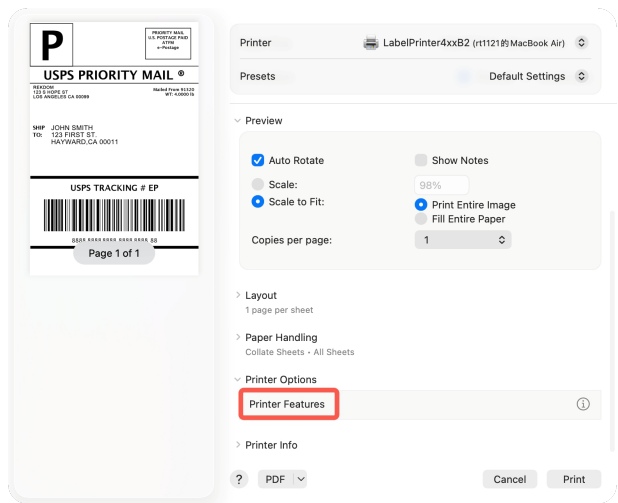
## 7.2 Paper Size Settings

Open the sample label to print, select "LabelPrinter4xxB2", and choose the paper size you want to print. For other sizes not listed, click paper size --> select "Manage Custom Sizes..." --> click "+" to add a new size. If you want to add a 100x64mm size, enter 100 for the width and 64 for the height. Double-click "Untitled" to rename it to 100x64mm > click "OK".





Select **"Printer Options"** --> click the drop-down icon --> click **"Printer Features"** --> here you can adjust the print speed, density and media settings.



## VIII. Daily cleaning and maintenance

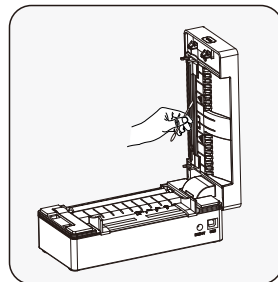
### 8.1 Clean print head

The print head should be cleaned when one of the following occurs in the printer:

- (1) The printing is fuzzy and unclear
- (2) A vertical column of the printed page is not clear
- (3) Large paper noise
- (4) Print hair black, carbon accumulation serious

Print head cleaning steps are as follows:

- (1) Turn off the power of the printer, open the cover, if there is paper, remove the paper;
- (2) If you have just finished printing, wait for the print head to cool completely;
- (3) Wipe the dust and stains on the surface of the print head with a soft cotton cloth dipped in alcohol;
- (4) Wait until the alcohol is completely volatilized, close the upper cover, and re-test the printing machine.

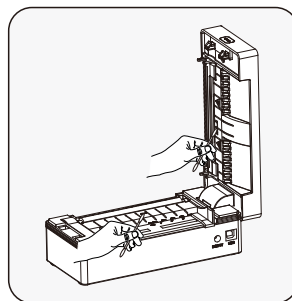


Clean print head schematic

### 8.2 Cleaning sensor

When the printer has one of the following conditions, the paper sensor should be cleaned:

- (1) Paper identification error
- (2) Paper positioning is not allowed
- (3) Lack of paper does not alarm
- (4) Lack of paper
- (5) skip white paper, walk more paper
- (6) can not learn paper correctly
- (7) The paper is offset



Clean sensor diagram

Clean the sensor as follows:

- (1) Turn off the power of the printer, open the cover, if there is paper, remove the paper;
- (2) Wipe the dust and stains on the sensor surface with a soft cotton cloth dipped in neutral alcohol, as shown in the picture on the right;
- (3) Wait until the alcohol is completely volatilized, close the upper cover, and re-test the machine.

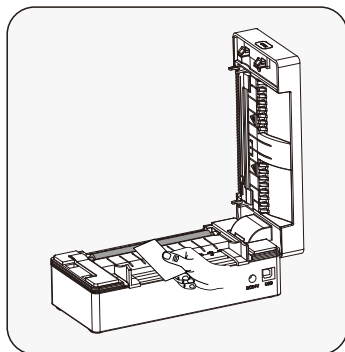
## 8.3 Clean the printer roller

When the printer appears one of the following conditions, the printer roller should be cleaned:

- (1) The printing is fuzzy and unclear
- (2) A vertical column of the printed page is not clear
- (3) Large paper noise
- (4) Print hair black, carbon accumulation serious

Printer roller cleaning steps are as follows:

- (1) Turn off the power of the printer and open the top cover;
- (2) Wipe the dust and stains on the surface of the printer roller with a soft cotton cloth dipped in neutral alcohol;
- (3) After the alcohol is completely volatilized, close the top cover.



Cleaning printer roller diagram

### Note:

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

## IX. Troubleshooting

The following table is a list of common problems common to the average operator and how to solve them. If you have followed the easy way to troubleshoot the situation and the printer is still not functioning properly, please contact the customer service department of the manufacturer you purchased for more assistance.

Fault phenomenon	Fault cause	Solution
The power indicator is off	a. The AC power socket plug and the power supply plug are not properly connected to the printer socket.	a. Check the power connector and ensure that the AC power socket and power supply plug are properly connected to the printer. b. Turn on [Power switch].
Unable to print	a. The communication cable is not properly connected to the printer PC host. b. The communication interface Settings are incorrect. c. The printer status is incorrect.	a. Reconnect the communication cable. b. Refer to the P10 printer indicator information in this manual. Verify that the printer is in standby state The indicator is steady on.
The print is incomplete	a. The paper is not centered, and the left and right are offset.	a. Adjust paper position. b. Set the correct label size.
Misalignment	a. Label learning is not performed. b. Seam mark detects the position deviation of the optocoupler component. c. The mode is incorrect.	a. Learn labels. b. Open the cover to check whether the seam mark detection component is offset. Black label paper: Move the seam mark detection component according to the position of the black label, so that the detection optocoupler can detect the black label. Label paper/Continuous paper: The detection optocoupler must be in the paper range. c. Use the Settings tool to open the printer information. Verify that the paper type is the same as the paper loaded in the printer, which can be changed by the Settings tool.
The print is not good	a. The paper is not installed correctly. b. The printing concentration/speed is set improperly. c. The print head/roller has dust or adhesive accumulation. d. Print head is damaged.	a. Reinstall the paper. b. Use the Settings tool or re-adjust on the software Printer printing concentration and printing speed. Set the tool adjustment concentration to coarse adjustment and the drive adjustment concentration to fine adjustment. c. Clean print heads/rollers (refer to manual 8.1 Cleaning print Heads /8.2 Cleaning Sensors /8.3 Cleaning print rollers. d. Use the setting tool to detect the bad point of the head piece. If the print head is damaged, please contact customer service.

## **X. FCC WARNING**

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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 A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Note: The Grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. Such modifications could void the user's authority to operate the equipment.

The device has been evaluated to meet general RF exposure requirement. To maintain compliance with FCC's RF exposure guidelines, the distance must be at least 20 cm between the radiator and your body, and fully supported by the operating and installation located or operating in conjunction with any other antenna or transmitter.

