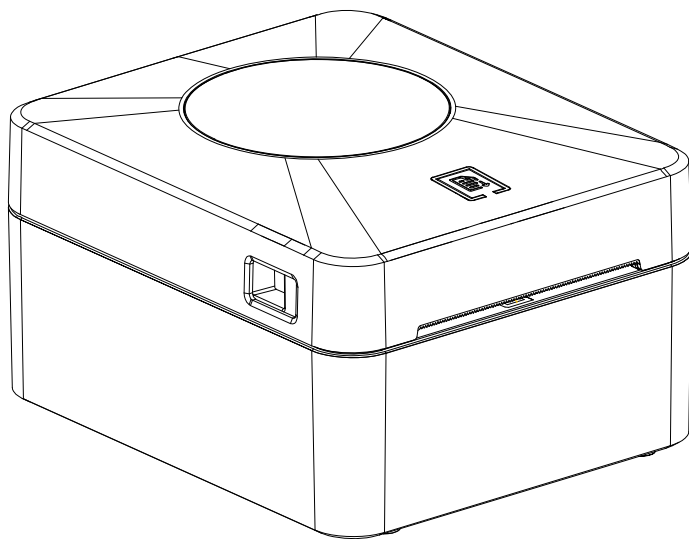


# Thermal Label Printer Instruction Manual



Printer drivers and tools download website:  
<http://www.cnfujun.com/d/39>

Safety Precautions

Table of Contents

Characteristics & Application Areas ..... 1

Specification ..... 1

Appearance ..... 2

Packing List ..... 3

Paper Roll Installation & Button Instructions ..... 5

Bluetooth Connection for Android/iOS ..... 6

USB Connection for Mac OS ..... 7

USB Connection for Windows .....16

How to Clean the Print Head.....19

Label Calibration and Exception Handling Methods..... 20

Please be sure to read this manual carefully before using the printer operation to ensure correct and safe use of the printer.

Security Warning

- ▲ Warning: We strongly recommend using the adapter provided by our company. Connecting an improper adapter may cause fire, explosion, or damage to the printer.
- ▲ Warning: Print head for the heat-generating components, just after the end of the printing process and print can not touch the print head and the surrounding parts, in order to avoid burns.

Precautions

- 1.Don't use and storage of the printer on the high temperature, high humidity and pollution.
- 2.The printer's power adapter is connected to a properly grounded outlet, avoid large motors or other power supply voltage fluctuations can cause the device to use the same socket.
- 3.Avoid water or conductive material (such as:metal)into the inside of the printer in the event,Immediately turn off the power.
- 4.The printer can not print without paper state, otherwise it will seriously damage the platen and the thermal print head.
- 5.Users are not allowed to disassemble the printer for repair or renovation.
- 6.In order to ensure the print product quality and life, we recommend using equivalent quality thermal paper.
- 7.Keep manual for future use reference.

## 1.Characteristics & Application Areas

- Can print thermal paper with a maximum width of 100mm.
- Fast printing speed and clear handwriting.
- It can intelligently adjust the temperature during printing to ensure stable operation of the machine.
- Supports paper bin bracket design.

### Application Areas

Manufacturing and warehousing industry	Specimen marking	Price tag
Post package industry	Shelf label	Jewelry label
Product labeling	Home office	Instruction label
Drug labeling	Patient identification	Medical industry

## 2.Specification

Printing method: direct line thermal printing  
Printing speed: 160mm/s (MAX)  
Printing machinery life: 50km or 100 million pulses  
Resolution: 203dpi (8dot/mm)  
Internal font library: supports 11 font sizes  
Print LOGO: Support downloading Logo and trademark printing (ESC/POS)  
Print command: TSPL command  
(optional CPCL command or ESC/POS command)  
Media sensors: Transmissive and reflective  
Communication interface: USB+Bluetooth  
Thermal paper types: continuous paper, label paper, folding paper, tag paper  
Effective printing width: 100mm (MAX 800 dots)  
Maximum available paper width: 104mm  
Available minimum paper width: 25mm  
Printing paper thickness: 0.06–0.30mm  
Power supply: DC24V/2.5A  
One-dimensional code: UPC-A / UPC-E / JAN13(EAN13) / JAN8(EAN8) / CODE39 / ITF / CODABAR/ CODE93 / CODE128  
QR code: QR CODE, PDF417

Driver: Windows/MACOS/Android/IOS

Working temperature: +0°C~50°C (no condensation allowed)

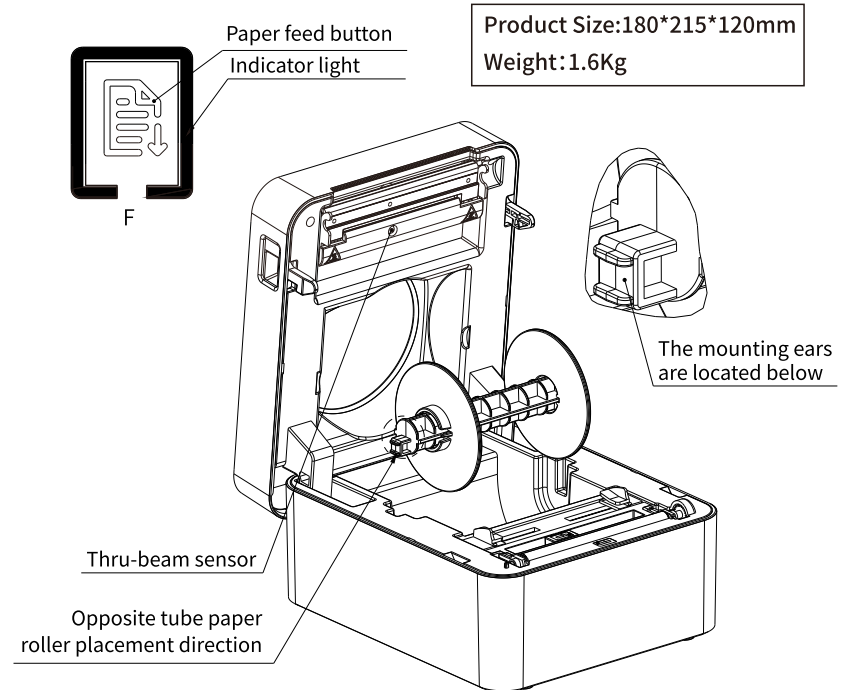
Working humidity: 20% to 85%RH (no condensation allowed)

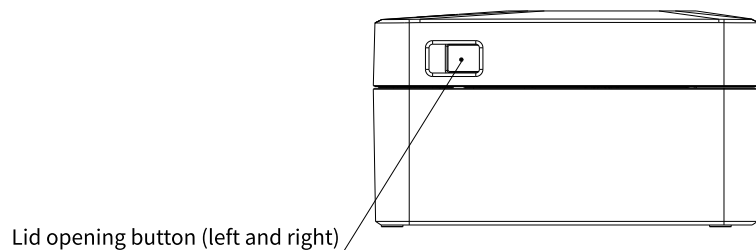
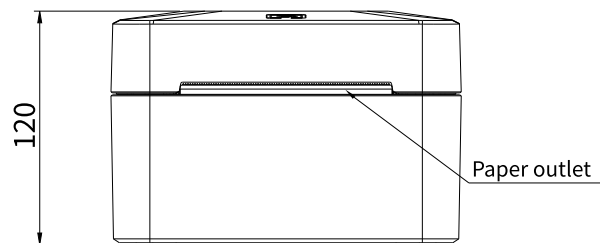
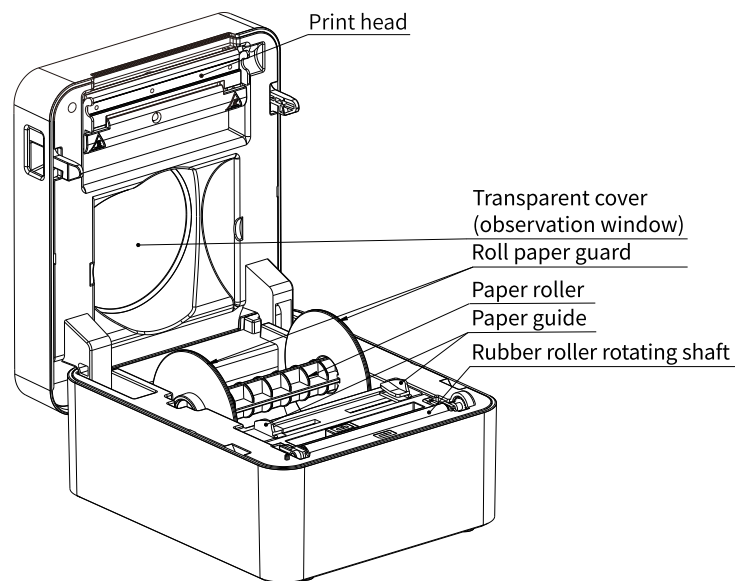
Storage temperature: -20°C to 60°C (no condensation allowed)

Storage humidity: 5% to 95%RH (no condensation allowed)

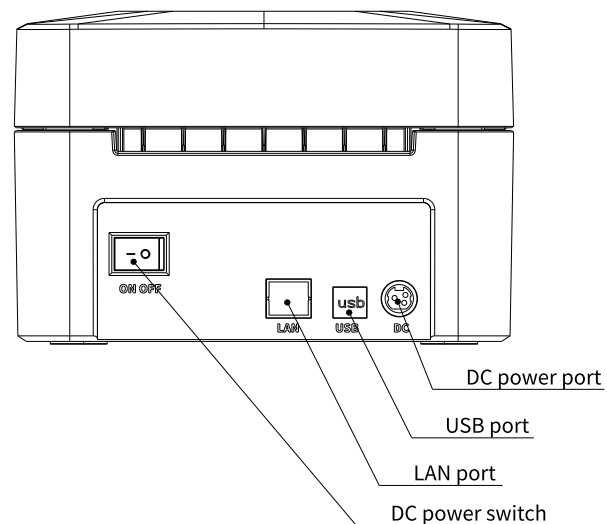
## 3.Appearance

⚠ Notice: The interfaces vary depending on customer selection.  
The interfaces shown in the figure below are for reference only.





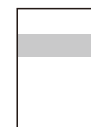
3



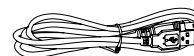
#### 4.Packing List



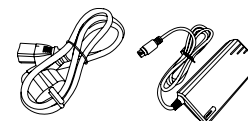
Printer



User Manual



USB Cable



Power Adapter & Cable



#### Note:

If any accessories minssing,please contact us to get support

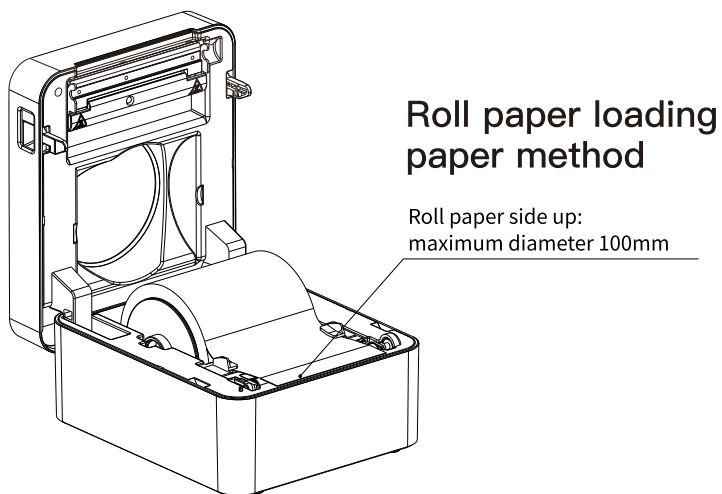
4

## 5. Paper Roll Installation & Button Instructions

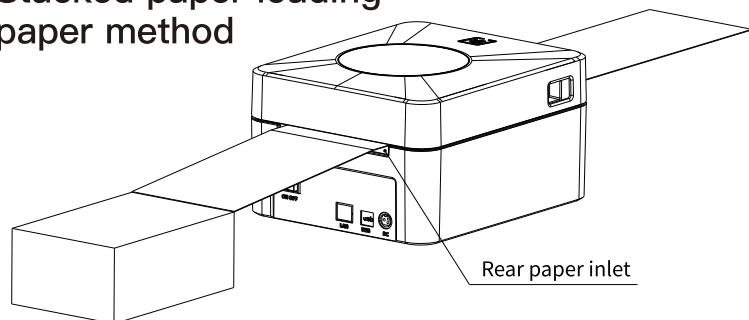
Supports printing with various paper specifications.

Thermal paper installation method is as follows:

- (1) Open the printer cover.
- (2) Thermal paper roll as shown in the following figure into the paper loading position.
- (3) Pull out the paper short to box outside, close the top cover.






### Stacked paper loading paper method



## Indicator lights Instructions :

Light Led Status	Printer Status
Lights off	Printer shuts down
Blue Light	Turn on the printer
Flashing Red Light	The printer is powered on but is out of paper or the label paper detection is abnormal

## Button Instructions :

Power switch	Printer Status
Power on & press  FEED button 1 time	1 label paper feeding
Power on & long press  FEED button 5–6s until 2 beeps	Label paper calibration and 1 label paper feeding
Power off, press and hold  FEED button, keep hold the button and turn on the printer, release the FEED button until flashing red light	Print self-test page

## 6. Bluetooth Connection for Android/iOS

Android search “Print Label” on Google Play to get the App, iOS search “Zlabel” on App Store to get the App, or scan the QR code below to download. If your mobile needs a PIN password, please enter “1234”.



**Print Label**  
Android editing software

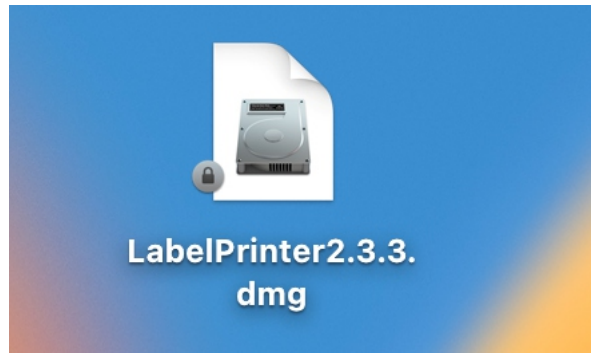


**Zlabel**  
iOS editing software

## 7.USB Connection for Mac OS

### 1.Mac Driver Installation

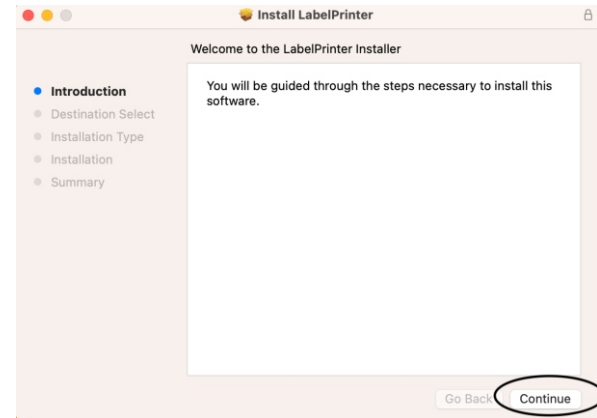
1.1 Download the Printer Driver from the website: [www.cnfujun.com/d/39](http://www.cnfujun.com/d/39) and find the file Labelprinter2.3.3.dmg and open it as shown.



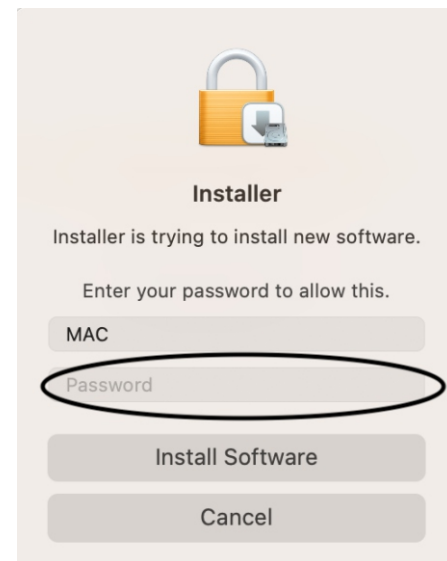
1.2 Double-click the file Labelprinter2.3.3.dmg.



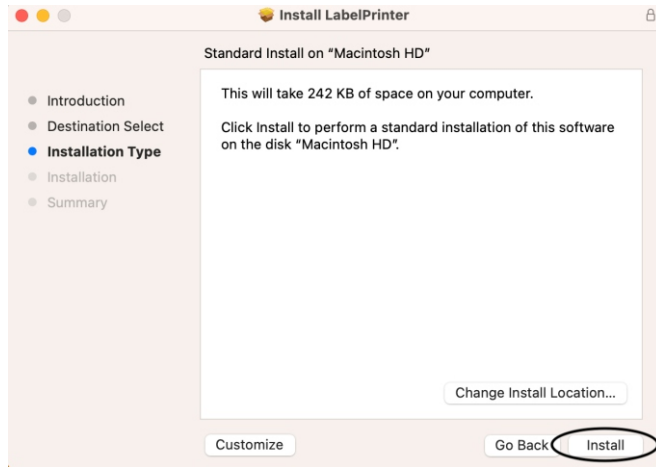
1.3 Click Continue.



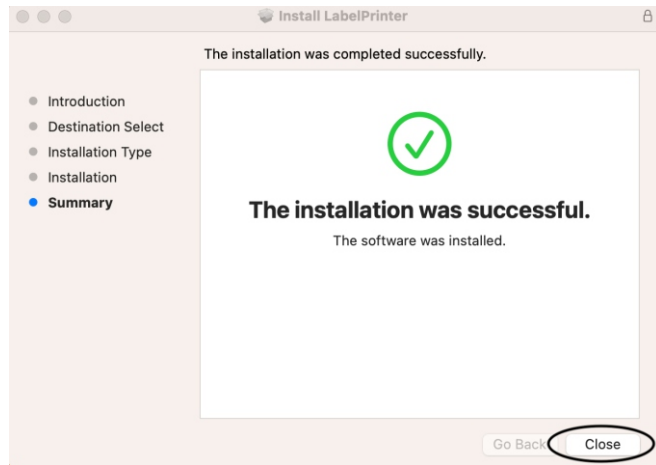
1.4 Enter the computer's local password and click Install Software.



1.5 Click Install.

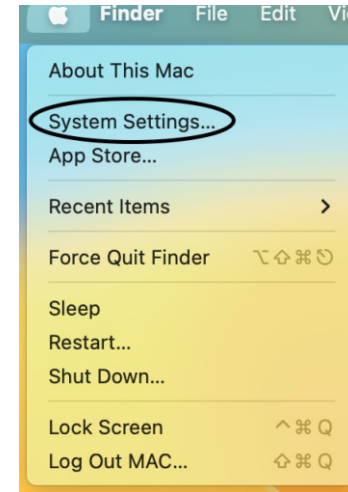


1.6 Click Close to install successfully.

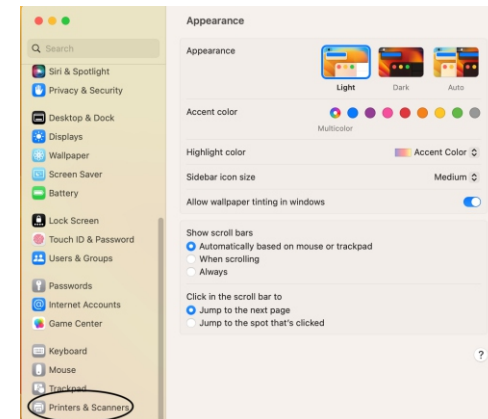


## 2. Add Printer to Your MacBook

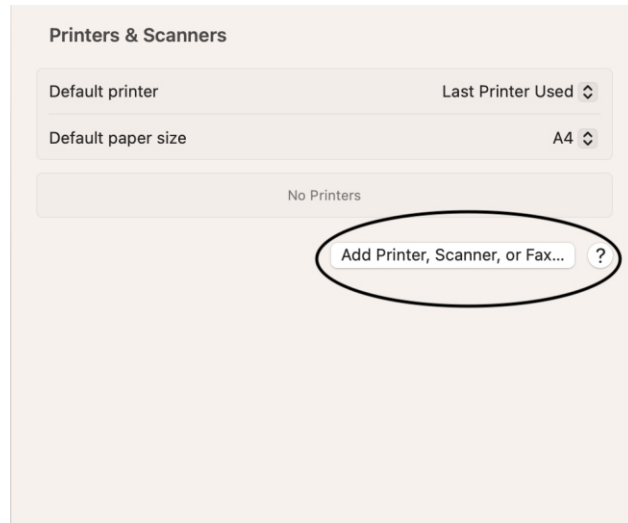
2.1 Click the Apple icon in the upper left corner, click System Settings... as shown in the figure.



2.2 Click on Printers&Scanners.



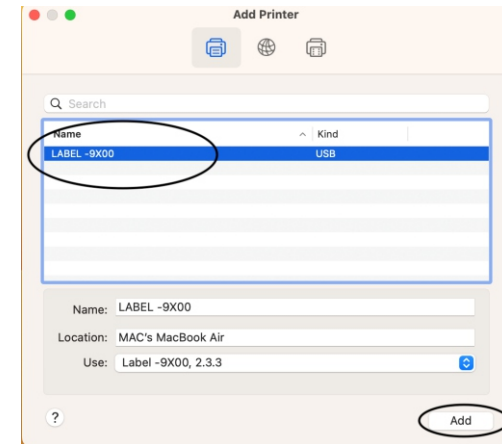
2.3 Click Add Printer, Scanner, or Fax... to add the printer driver.



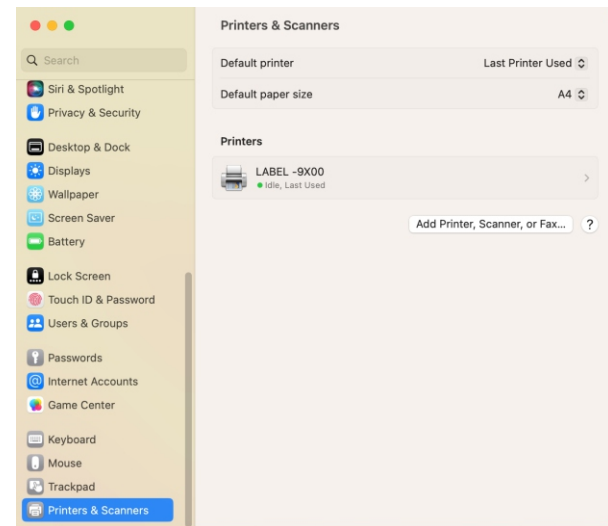
2.4 How to add a printer on MAC (M1 system)click “+” to add a new printer.



2.5 Click LABEL-9X00 in the box to automatically identify and add it, then click Add to complete the addition as shown below.



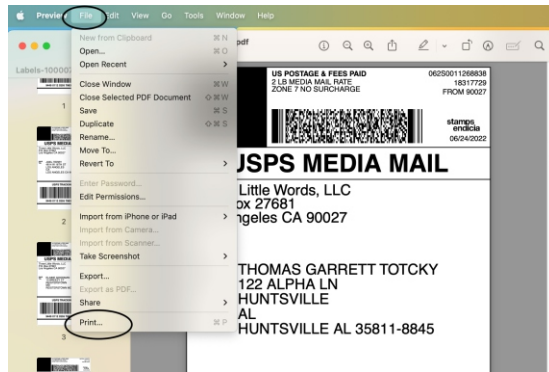
2.6 Complete.



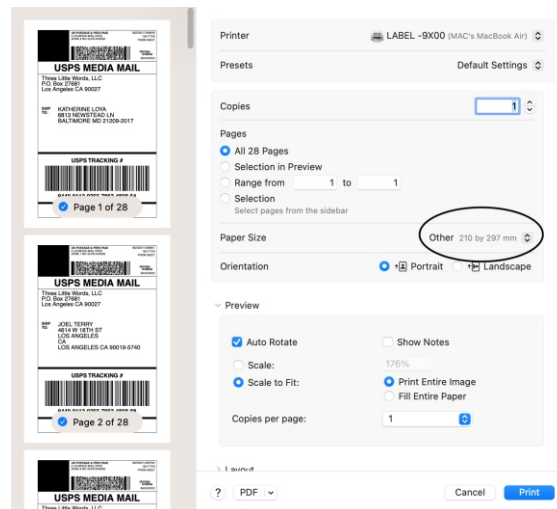


### 3.Print on Mac

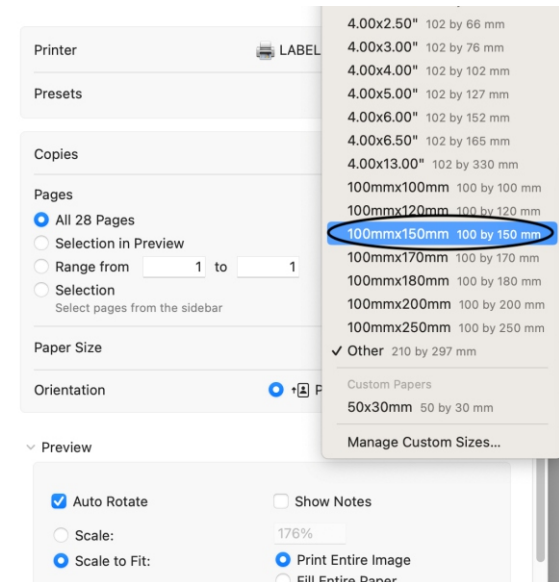
3.1 Open the PDF file that needs to be printed, click File–Print... as shown in the figure.



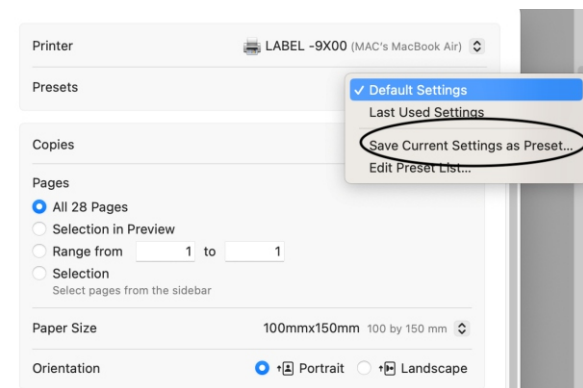
3.2 Click Other to select the correct printing size as shown below.



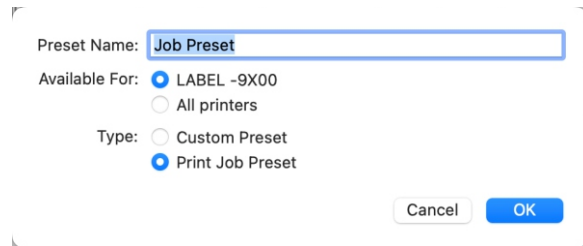
3.3 Select size 100mmX150mm 100by150mm.



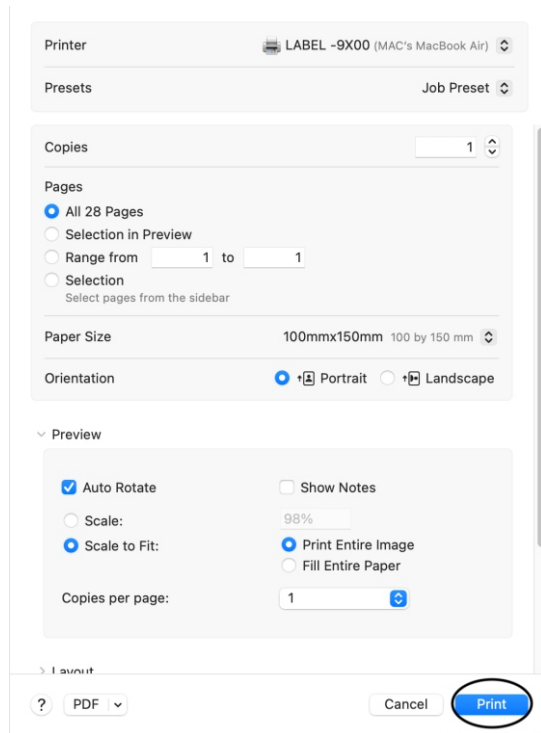
3.4 After selecting the size, click Default Settings–Save Current Settings as Preset.... as shown below.



3.5 Enter the name you want to save and click OK.



3.6 Finally click Print as shown in the lower right corner of the figure.



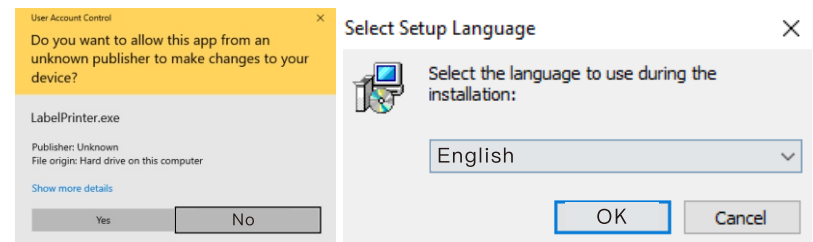
## 8.USB Connection for Windows

### 1.Windows Driver Installation

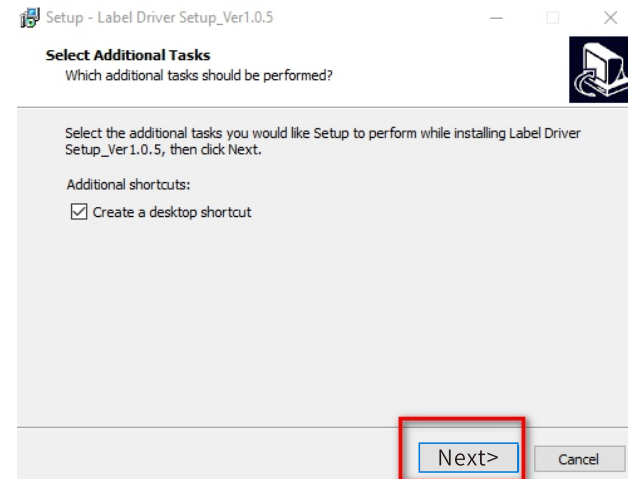
Find “Label Printer Driver”, open this folder and click the corresponding operating system driver to install it.

Driver download website: [www.cnfujun.com/d/39](http://www.cnfujun.com/d/39)

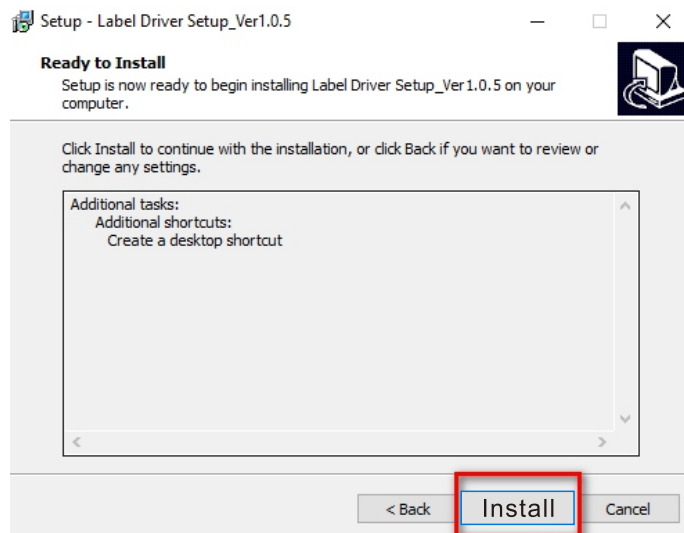
1.1 The label printer is installed manually, as shown in the figure below:



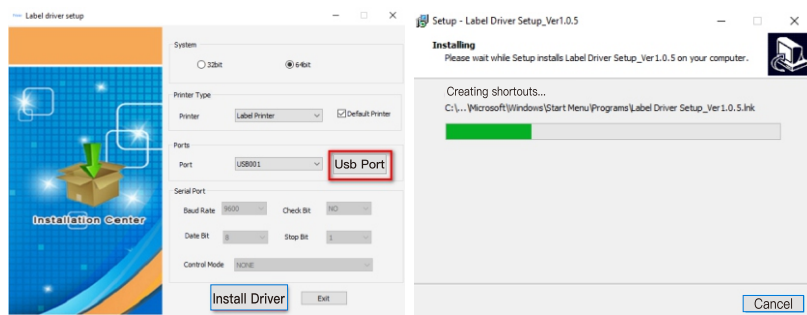
1.2 After “OK”, select “Next”, as shown below:



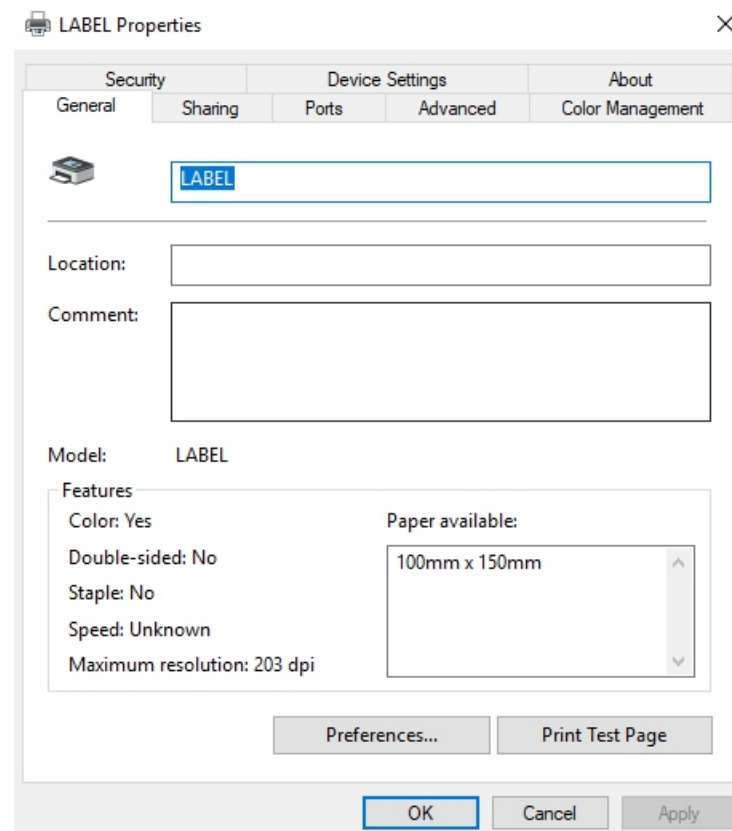
1.3 Click “Install”, as shown below:



1.4 If the interface is a USB printer, click “USB Port Detection” to automatically identify the USB port and click “Install Driver”. For other interfaces, click “Install Driver” directly.



1.5 After the label printer driver is successfully installed, the printer properties interface will automatically pop up as shown below:



1.6 Click “Print Test Page”, if the printer prints a normal page, then it indicates that the job is successful. Note: If the printer prompts “Print Error”, please return to the “Port” option and select USB0002, or USB003, or USB001.

## 9.How to Clean the Print Head

### Printer Cleaning:

When the printer encounters one of the following conditions, the print head should be cleaned:

- ① The printing is not clear.
- ② A vertical column of the printed page is not clear.
- ③ Paper feeding noise is loud.
- ④ There is too much carbon deposit on the print head.

The print head cleaning steps are as follows:

1. Turn off the power of the printer, open the upper cover, and remove the paper if there is any.
2. If you have just finished printing, wait for the print head to cool down completely.
3. Use a soft cotton cloth dipped in absolute ethanol (should be wrung out) to wipe away dust and stains on the surface of the thermal sensor of the print head.
4. Wait for the absolute ethanol to evaporate completely, then close the upper cover and try printing again.

### Notice:

1. Make sure the power is turned off during routine maintenance of the printer.
2. Do not touch the surface of the print head with your hands or metal objects, and do not use tweezers and other tools to scratch the surface of the print head, printing roller and sensor. Organic solvents such as gasoline and acetone must not be used.

## 10.Label Calibration and Exception Handling Methods

### 1. Label Calibration Method:

For the paper is skipped or continuous printing and never stop, the printer should be do the calibration, the method are as follows : Put the paper into the printer and power on the printer, when the power light is on, press and hold the “FEED” button for 5–6 seconds, till to the led light flashes and the buzzer beeps , then release the FEED button. After that, restart the printer and take a test.

Note: The calibration operation may result in different calibration values due to different paper specifications. The calibration operation can be done according to different cases.

### 2. If the following cases occur after calibration:

(1) With paper, but the printer reports error :

When this happens, take away the paper and power off the printer first , and then power on the printer, once the red light flashes then long press the “FEED” button immediately, release it when the red light flashes again and the buzzer beeps, after that, wait 2 seconds, then restart the printer and test it again.

(2) Without paper, but the printer don't report error :

When this happens, take away the paper, power on the printer and press and hold the “FEED” button for 5–6 seconds, till to the red light flashes and the buzzer beeps in two times, then release the button, after that, restart the printer and have a test.