

Thermal Barcode Printer

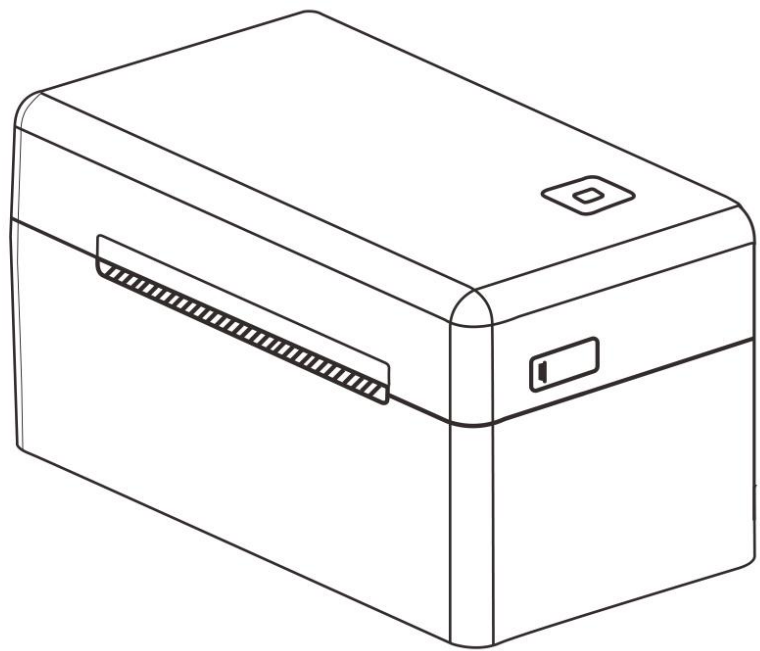
User Manual

THERMAL BARCODE PRINTER

Model : D465B

Interface : USB+Bluetooth

Bluetooth&Driver name : 4B-2054N



PROFICIENT IN COMMERCIAL POS BARCODE PRINTERS

● Please keep the user's manual in reference

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1. Tech Support

D465B-USB+Bluetooth

Thermal Barcode Series

If you encounter any issues with the product, please contact the our team in time.

Scan code to download IOS/Android “4BarCode”

Get 24/7 Assistance at



Use camera or QR scanner to scan

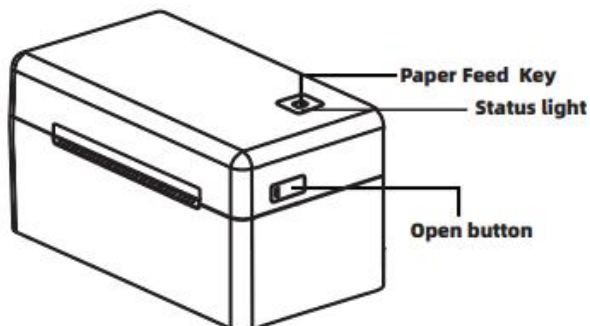
Visit: <https://bpxx.afterservice.vip>
Call: +1 (855) 965 3162 (Toll-free)
Email: bpxx@afterservice.vip



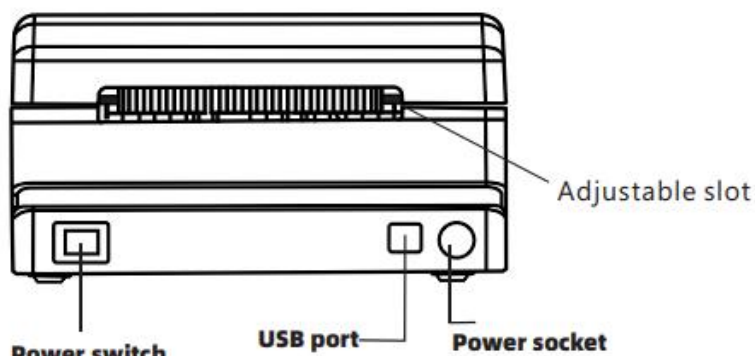
BPXX

2. Quick Installation Guide

Production View

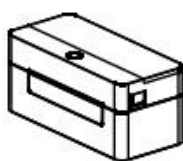


side view

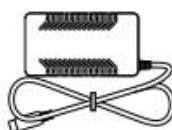


back view

Packing List



Printer*1



Adapter*1



Power cord*1



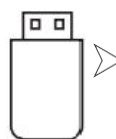
Manual*1



USB Cable*1



OTG adapter

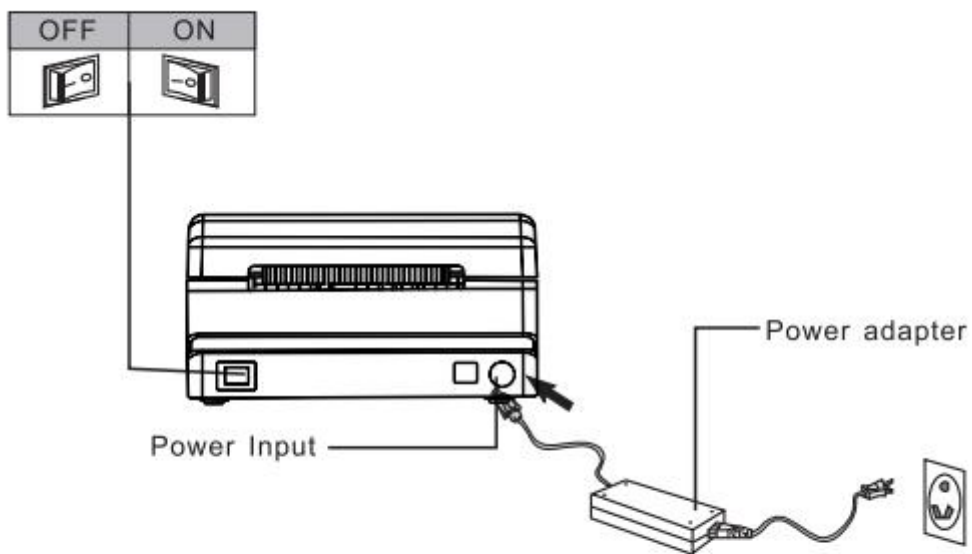


U disk

- 1.Windows/Mac Driver
- 2.Quick start guide
- 3.Video tutorial
4. Windows diagnostic tool

2.1 Printer Installation

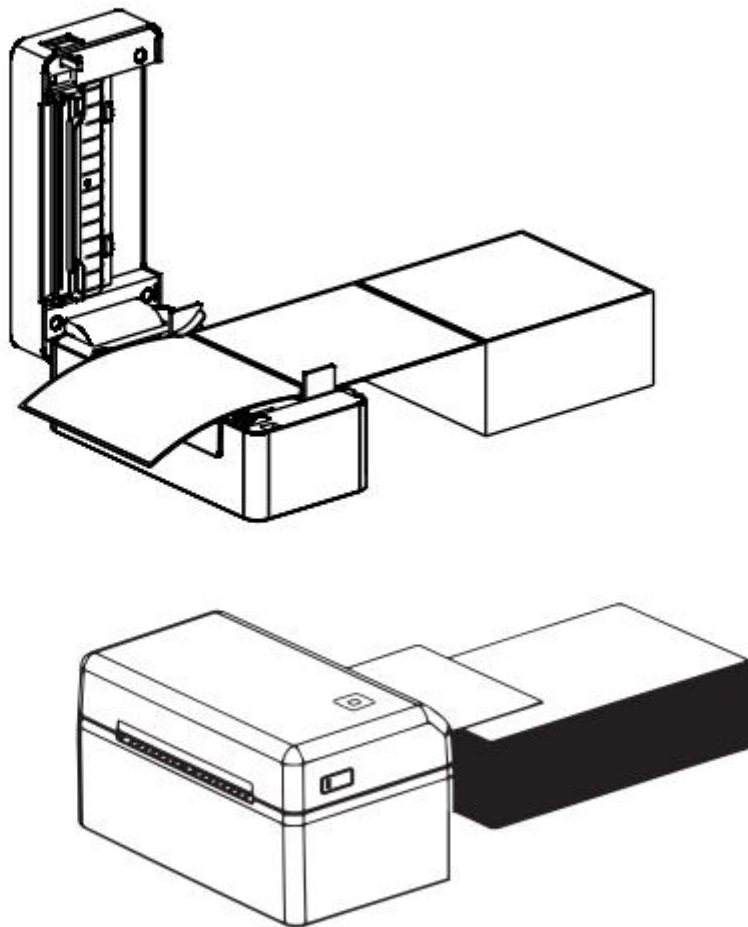
- (1) Place the printer on a steady surface and ensure that the power is turned off.
- (2) Connect one end of the USB data cable to the printer and the other end to the host computer.
- (3) Insert the power cord into both the printer and the power outlet.



Note: Please make sure to turn off the printer before connecting it to the power.

2.2 Loading the Label

- (1) Push the open button to open the cover.
- (2) Put in the folding paper.
- (3) Pull out the paper roll, guide and fasten the paper with the paper guide.
- (4) Close the cover carefully.



Note: Please make sure the cover is firmly closed.

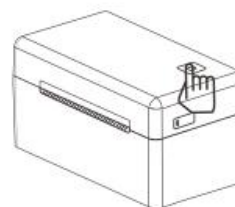
3. Button Function

Do the calibration of gap or black mark label

1. Turn the power on of the printer.
2. Hold the feed button, until you see the red light flashes 3 times then release the feed button.
3. The printer will automatically eject paper, and after the paper is successfully ejected, the machine will automatically calibrate

3.1 Print Self-Test Page

1. Install the label and close the cover tightly.
2. Turn on the printer
3. Press the FEED button and hold on for 5-6 seconds
4. Release the FEED button when printer beep twice and led blink purple.
5. Printer print the selftest page



Note: 1. Please calibrate the gap/black mark sensor when changing media.
2. Failure to securely close and lock the cover will result in poor print quality.
3. When you change the label size, please re-calibrate the label and set the label size in the driver settings.

3.2 LED Status

LED status	Explain
red blink	out of paper
red&blue blink	header overheat
blue blink	printer pause
blue light on	printer standby
red light on	cover opened

3.3 Specifications

Parameters	Values
Speed	152 mm/s
Resolution	203 DPI
Density	12
Paper width	Max 104mm (4.09") (Default 4inch)
Paper length	Max 1778mm (70") (Default 6inch)
Paper Thickness	0.06 ~ 0.20 mm
Power Adapter	24V/2.5A

3.4 Troubleshooting

Troubleshooting:

1. Printer cannot be powered on.

---> Check the power connector, and make sure that the AC socket and the power supply plug are properly connected to the printer After connection, turn on the power switch.

2. Printer blinks red

For Window System:

---> Use Windows diagnostic tool to get the status of printer firstly.

- a. If tool shows 'Head open, close the cover of printer.
- b. If tool shows 'Paper end; install new label paper; refer to the steps of label installation and reinstall it; calibrate the label.
- c. If tool shows 'Paper jam, calibrate the volume label sensor; set the correct

4. For Windows

4.1 How to install the printer USB driver on Windows?

Step 1:

Connect your printer to your computer using a USB cable and turn it on. Make sure the paper is loaded correctly and the printer indicator light is blue, indicating it is working properly.

Step 2:

Insert the USB stick that came with your printer into your computer's USB port.



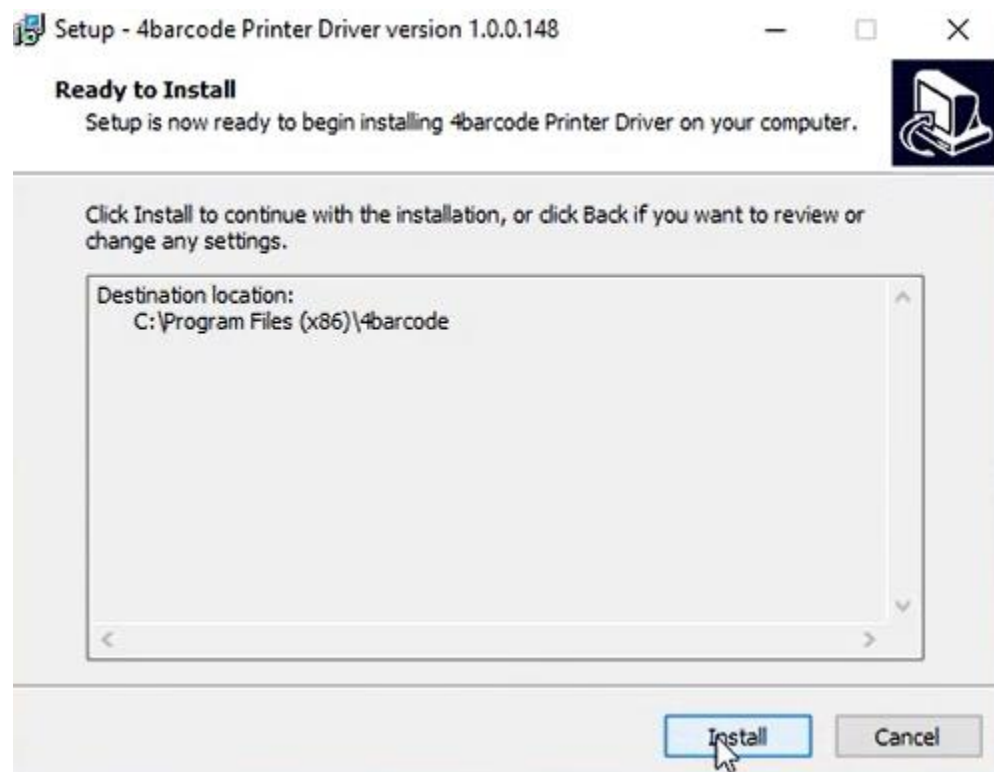
Step 3:

Navigate to the folder containing the Windows driver and double-click on 4barcode driver to begin the installation process.



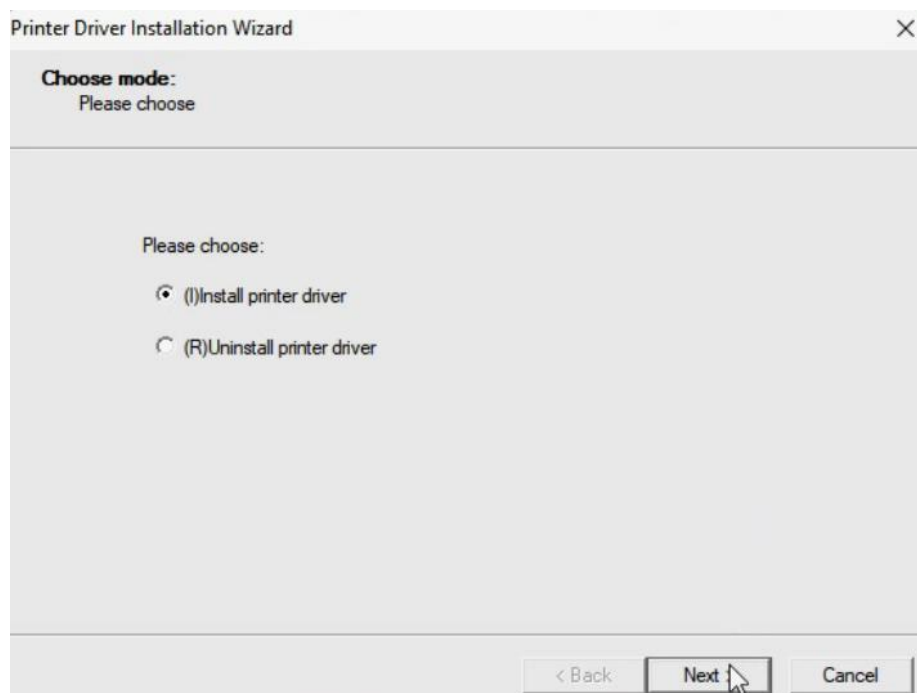
Step 4:

Click install button.



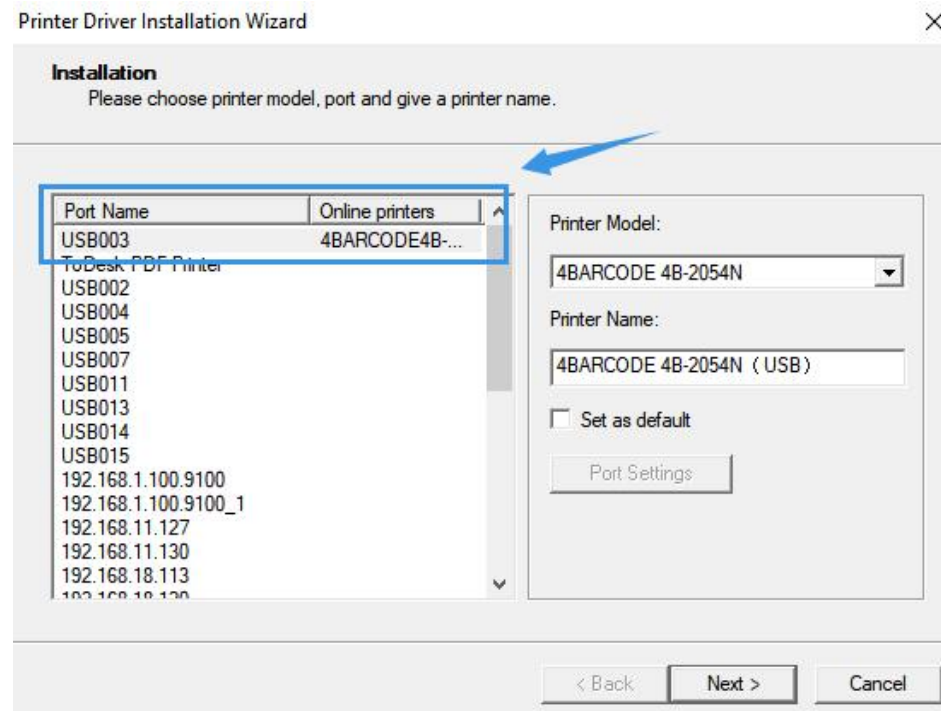
Step 5:

Click Next button.



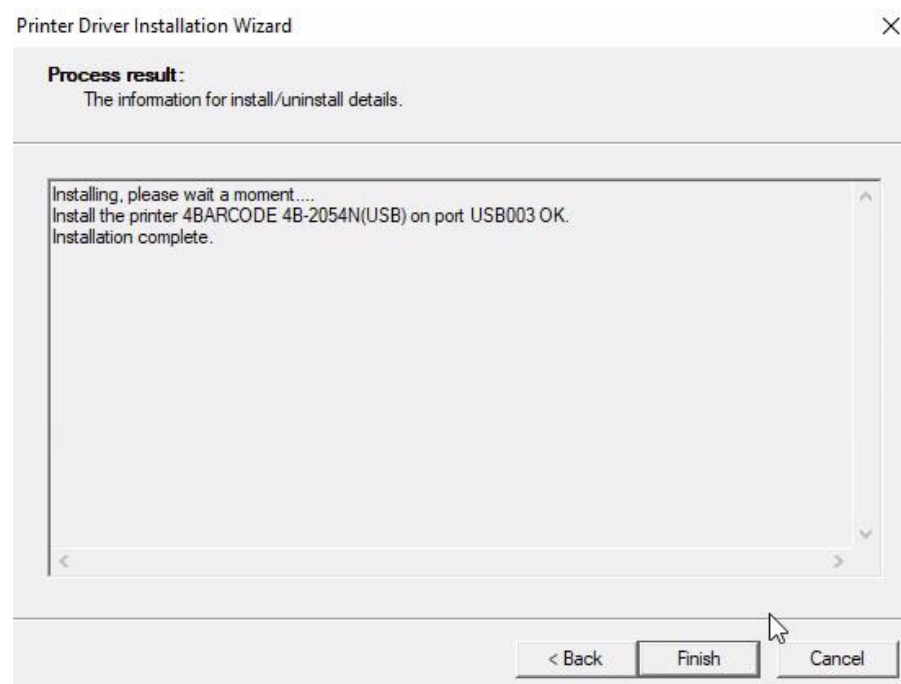
Step 6:

Once you have successfully connected your printer to your computer via USB, the driver will automatically recognize the printer model and USB port. If you encounter any issues, such as an incorrect printer name or a non-USB port, please double-check your printer connection. Once everything is confirmed, you can edit the printer name to your preference and click "Next" to continue.



Step 7:

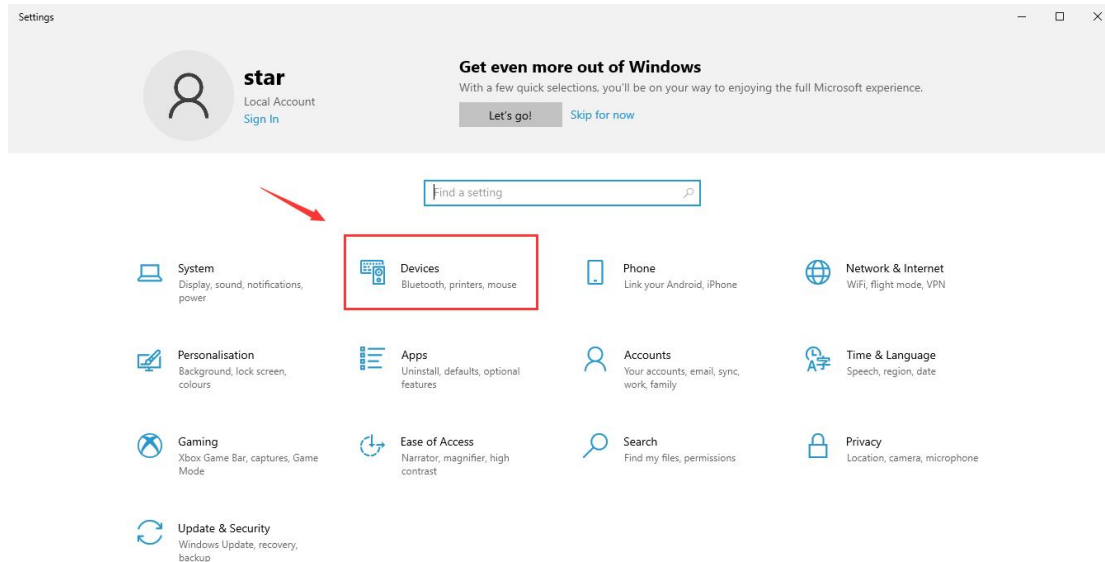
When prompted that the installation is complete, click Finish.



4.2 How to install printer bluetooth driver on Windows?

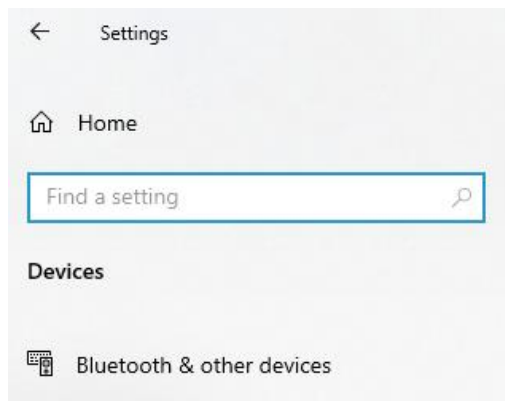
Step 1:

Go to Settings and click Devices.



Step 2:

Select Add Bluetooth.



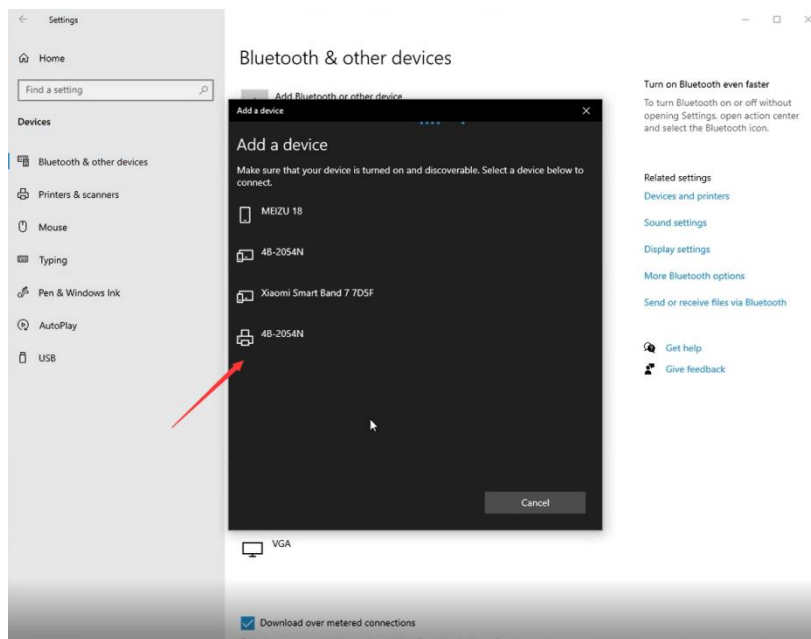
Bluetooth & other devices

+ Add Bluetooth or other device

Bluetooth
☒ On

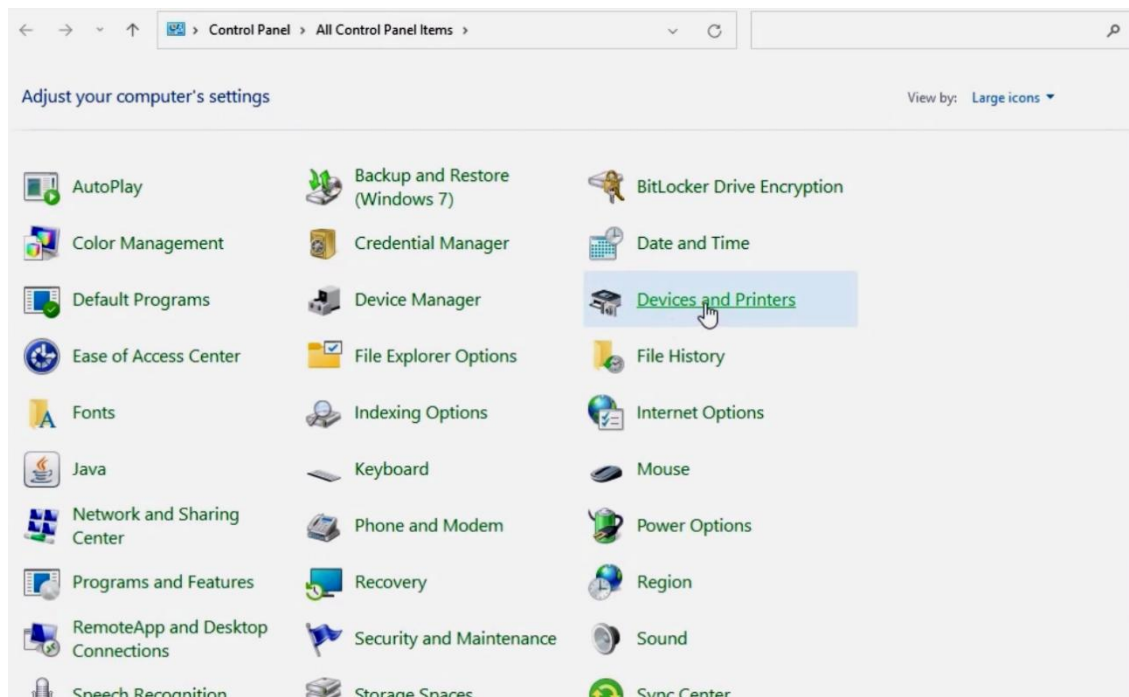
Step 3:

Connect to Bluetooth 4B-2054N printer (Note: 4B-2054N with printer logo needs to be connected.)



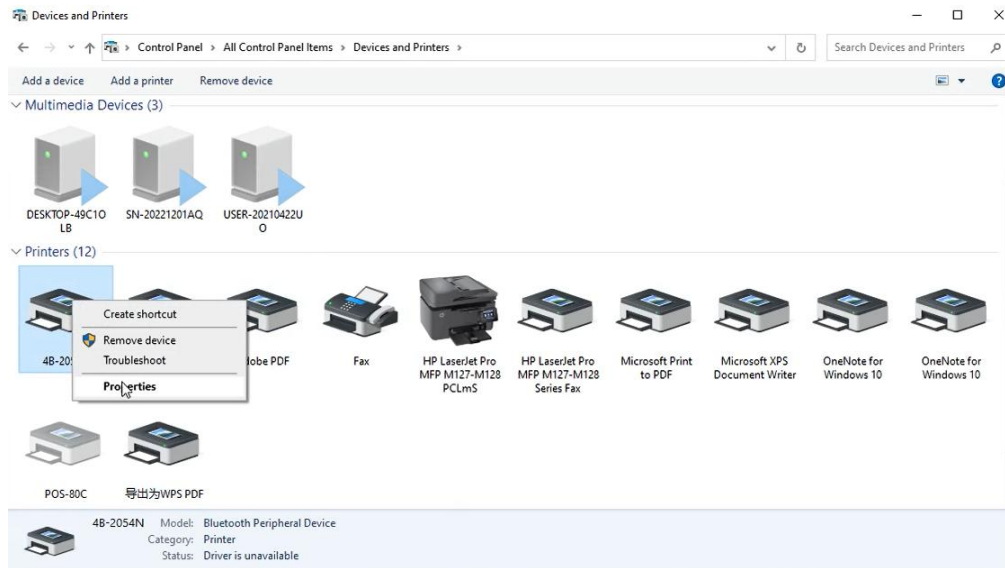
Step 4:

Go to the control panel, and then select <Devices and Printers>. If you don't see your device or printer listed here, make sure to set your View by option to Large icons in the upper right-hand corner of the screen.



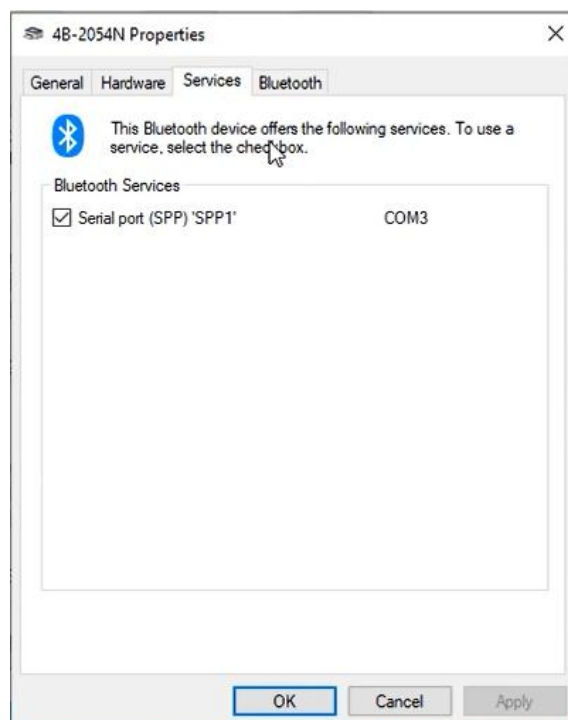
Step 5:

Choose the 4B-2054N printer to connect to, right-click on it, and select <Properties>.



Step 6:

Click on <Services> to see the port for your printer's Bluetooth connection.



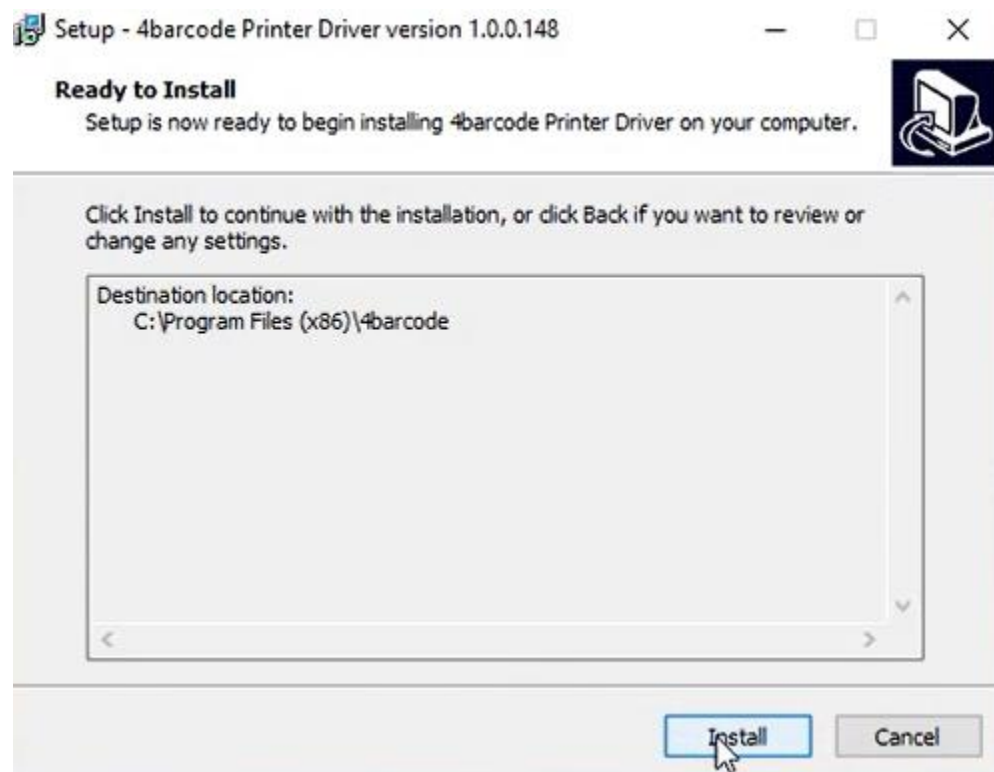
Step 7:

Double-click on 4barcode driver.exe



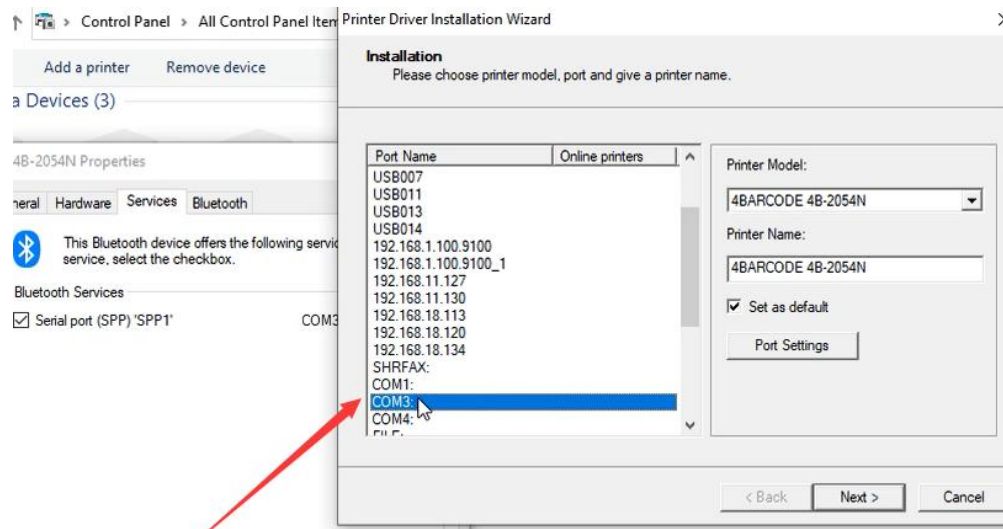
Step 8:

Click on install.



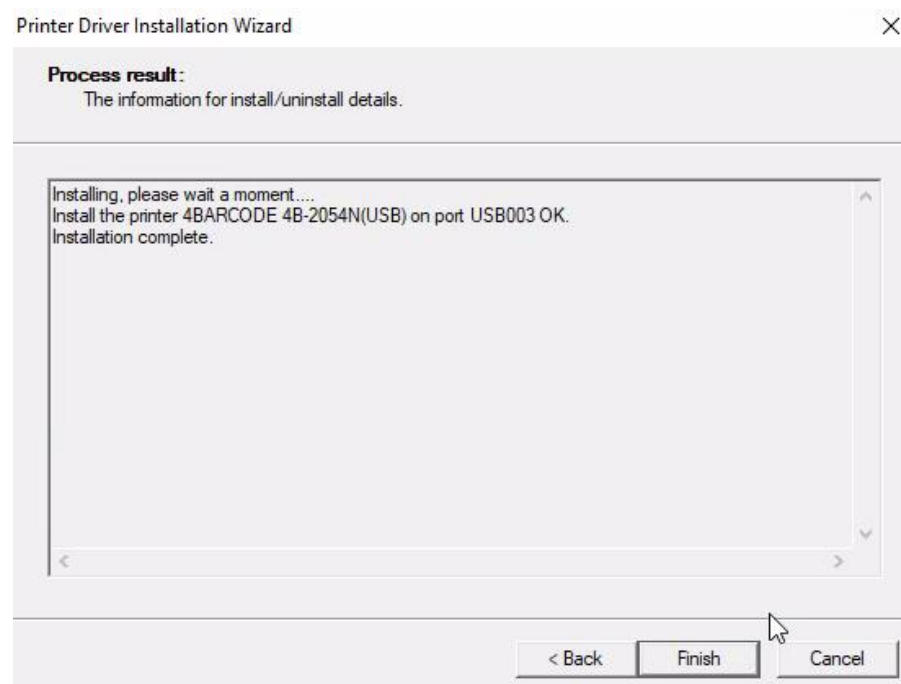
Step 9:

Select the Bluetooth port for your printer, and make sure it's the same port you found earlier. Choose the 4B-2054N printer model. Edit the printer name if desired. Click <Next> to proceed.



Step 10:

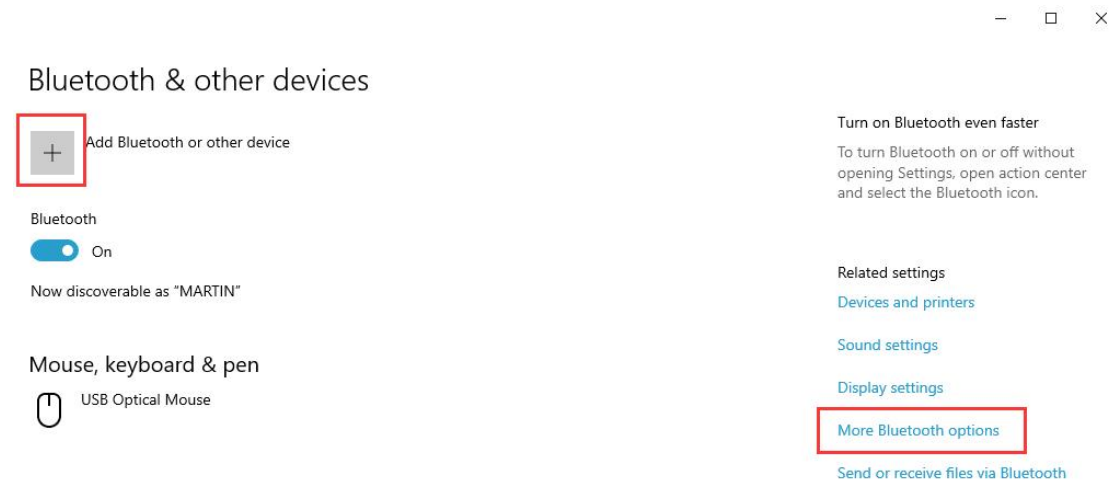
Once the installation is complete, you will be prompted to click <Finish>.



4.3 How to find bluetooth ports in Windows 11?

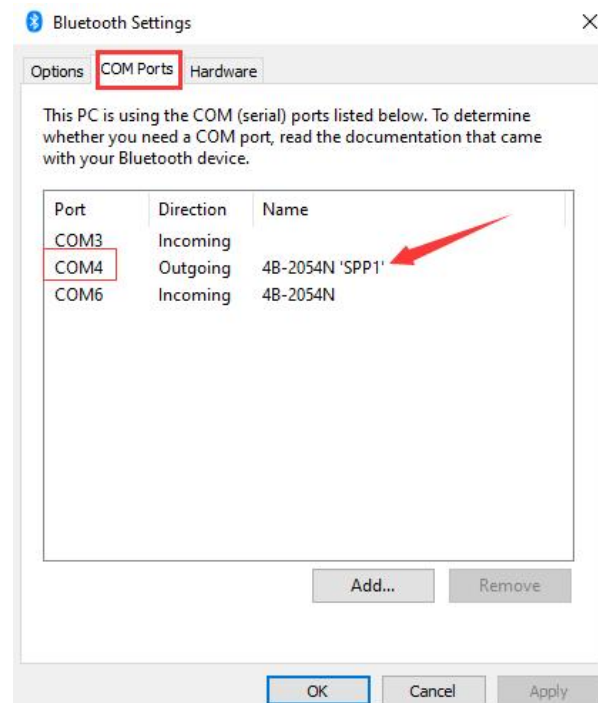
Step 1:

After connecting your device via Bluetooth, open the Settings menu. Click on <Bluetooth & other devices>. Then Click on <More Bluetooth options>.



Step 2:

You should be able to find the port for your Bluetooth connection under the <COM Ports> tab.

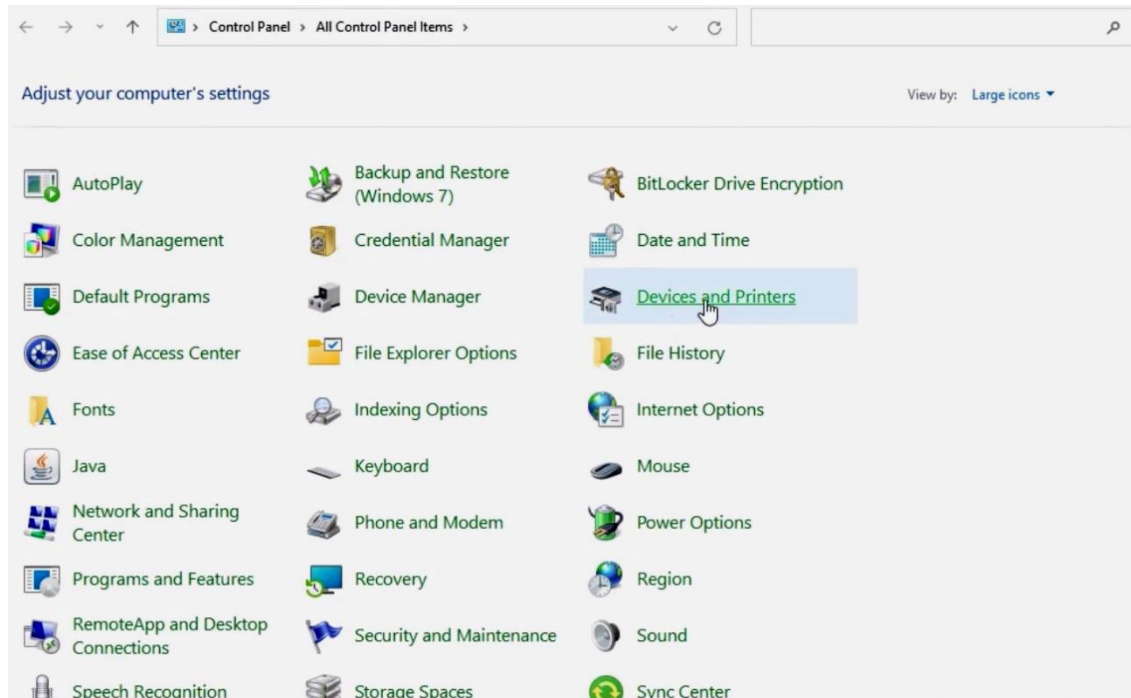


4.4 How to set the size of the paper to be printed?

Using a 4x6 label as an example

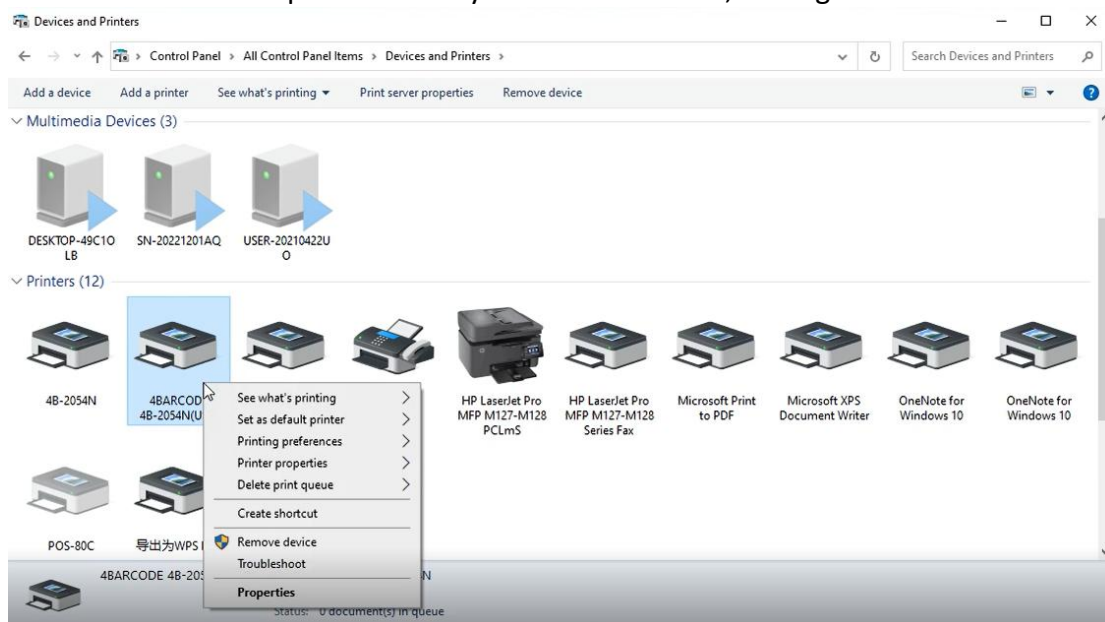
Step 1:

Go to the control panel, and select <Devices and Printers>.



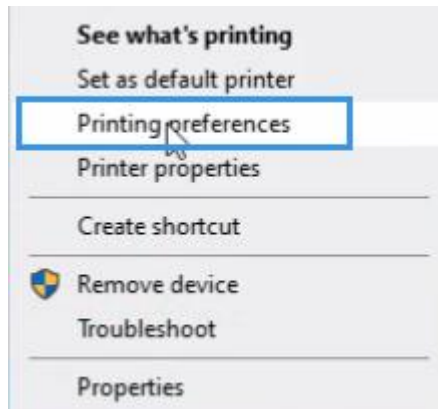
Step 2:

Find the name of the printer driver you installed earlier, and right-click on it.

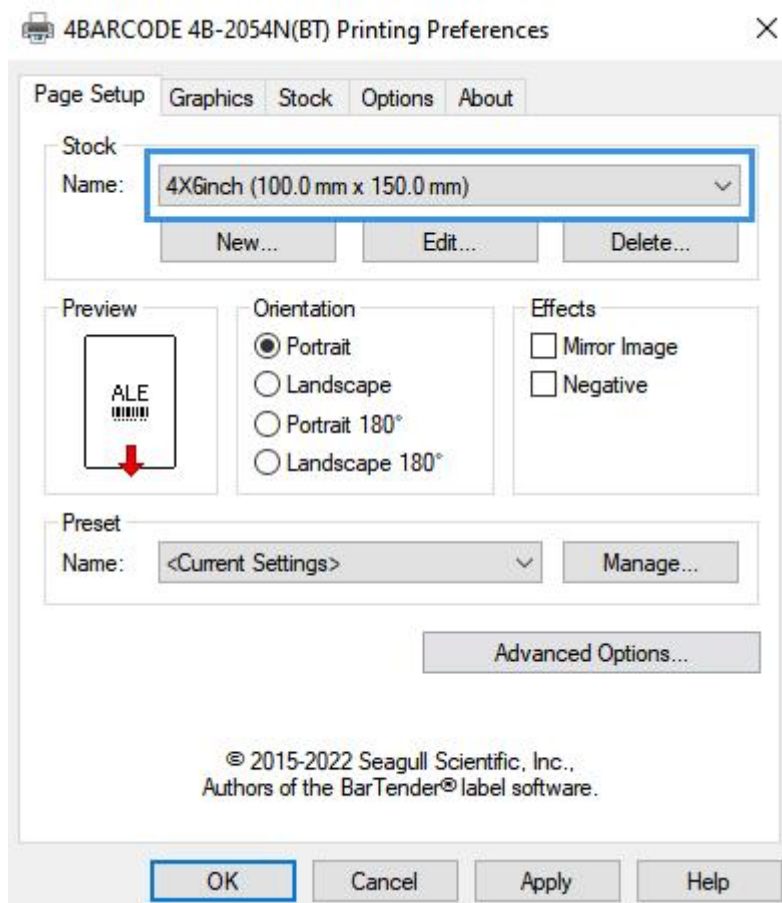


Step 3:

Select <Print preferences>.

**Step 4:**

Choose the 4x6 inch or other sizes you need, then click <Apply> and <OK>.



4.5 How to print?

Using a browser-printed file as an example

Step 1:

Prepare the printer by correcting the paper. Follow these steps: Turn on the printer, press and hold the FEED button, wait for the indicator light to flash red, and release the button.

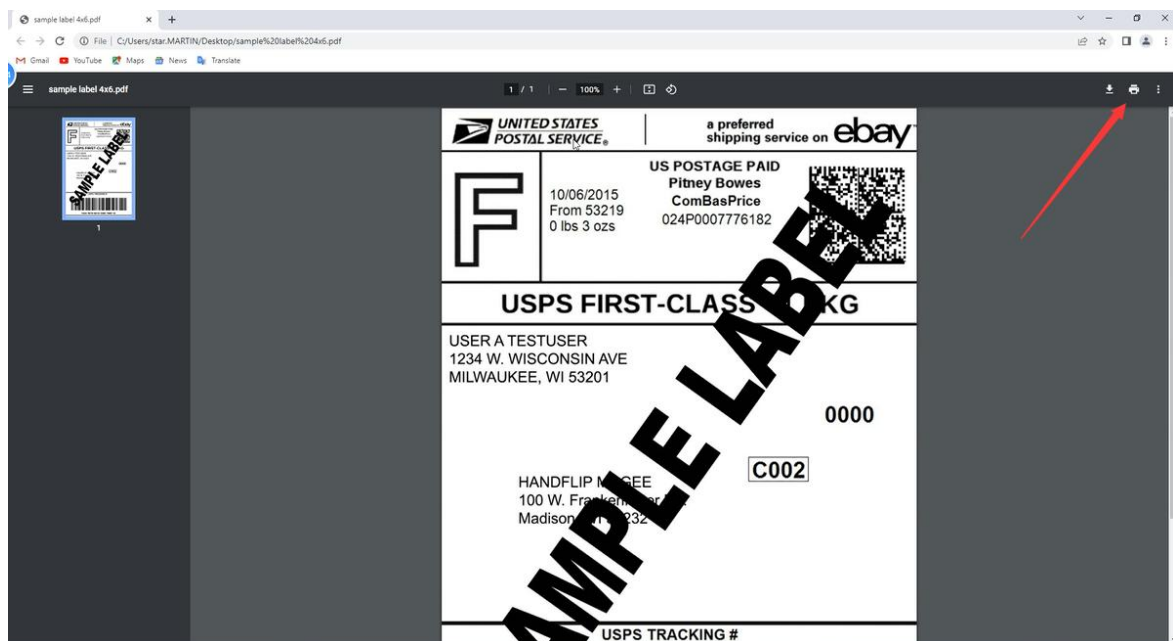
Step 2:

Open the PDF file of the (4 x 6) sample label in your browser.



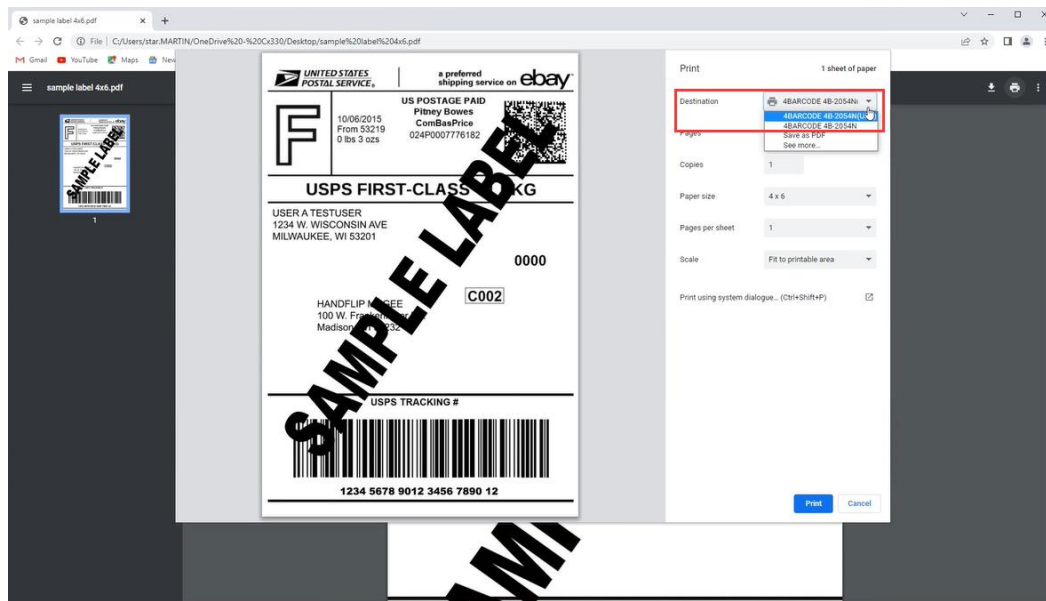
Step 3:

Click on Print button.



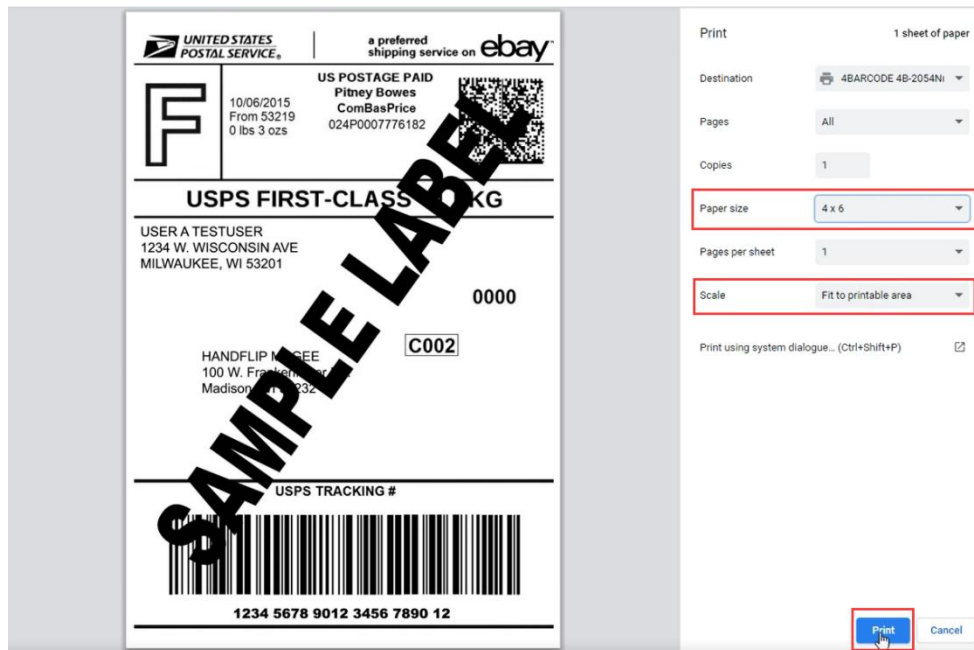
Step 4:

Select the printer and click to choose the installed printer driver.





Step 5:

Click on "Paper size" and select "4x6" as the print size. Click on "Scale" and select "Fit to printable area." Click "Print" to print the file.



Google Chrome Browser

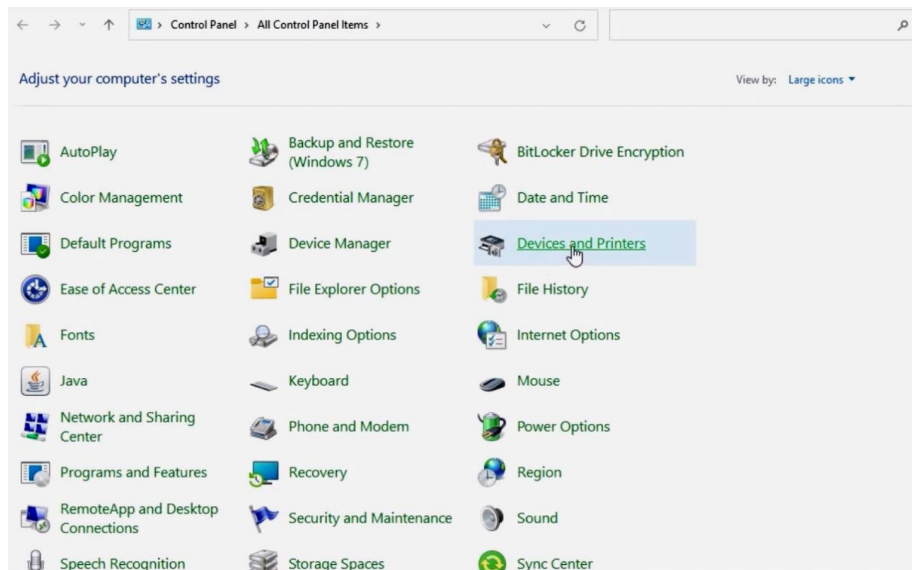
<div>Print 1 sheet of paper</div>	Destination: Select the printer driver you installed to print.
Destination  My Printer ▼	Pages: Print all pages or choose to print pages.
Pages All ▼	Copies: how many copies should be printed. Default is to print one copy.
Copies 1	Paper size: Select the size that matched the installed label. If there is none, go to driver to create label size and restart Google Chrome.
Paper size 4X6inch ▼	Pages per sheet: Determines how many pages a tab should contain.
Pages per sheet 1 ▼	Scale: To zoom in or out content on label.
Scale Fit to printable area ▼	Print using system dialog: For details, see (How to set paper size, printer mode, printing speed and density?)
Print using system dialog... (Ctrl+Shift+P) 	

4.6 How to set paper size, printer mode, printing speed and density?

Set the paper size

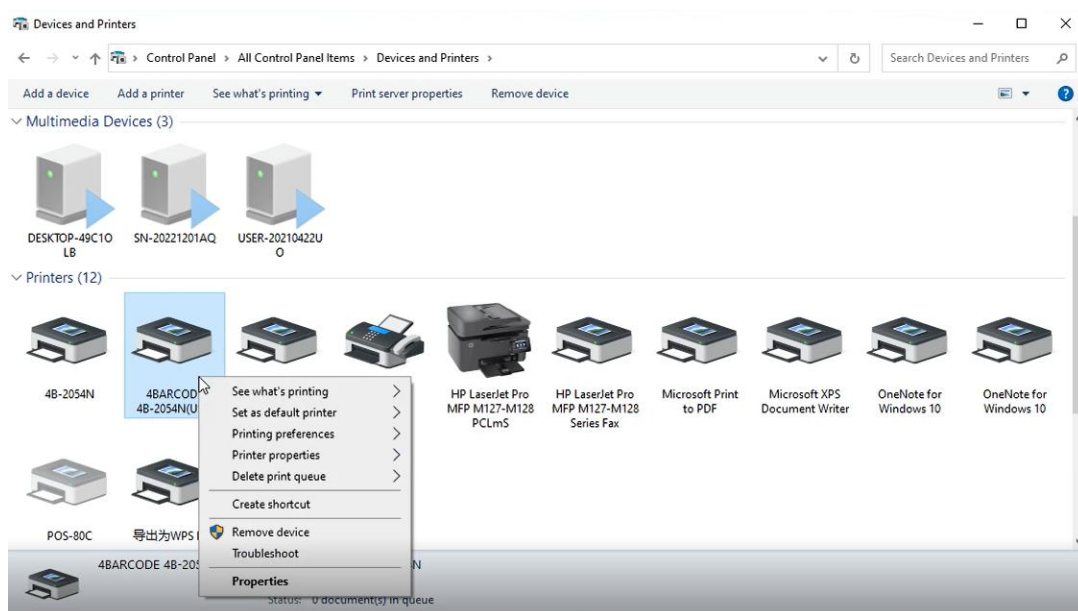
Step 1:

Open the control panel and select "Devices and Printers."



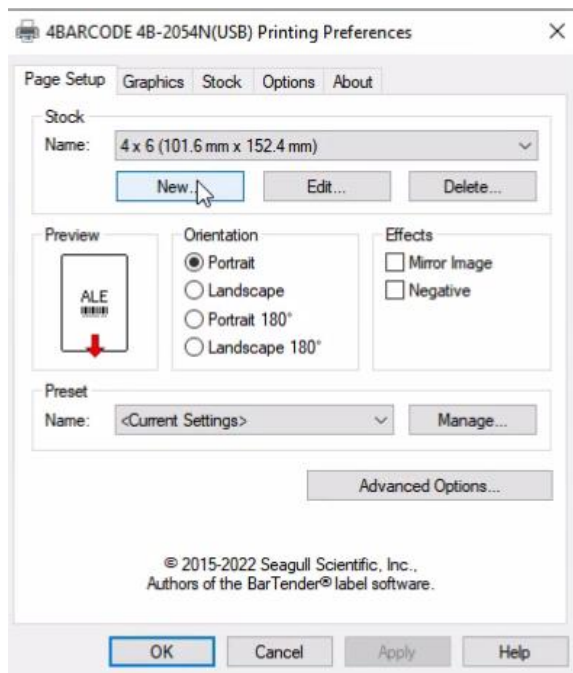
Step 2:

Find the name of the printer driver you installed earlier and right-click on it. Select "Printing preferences."



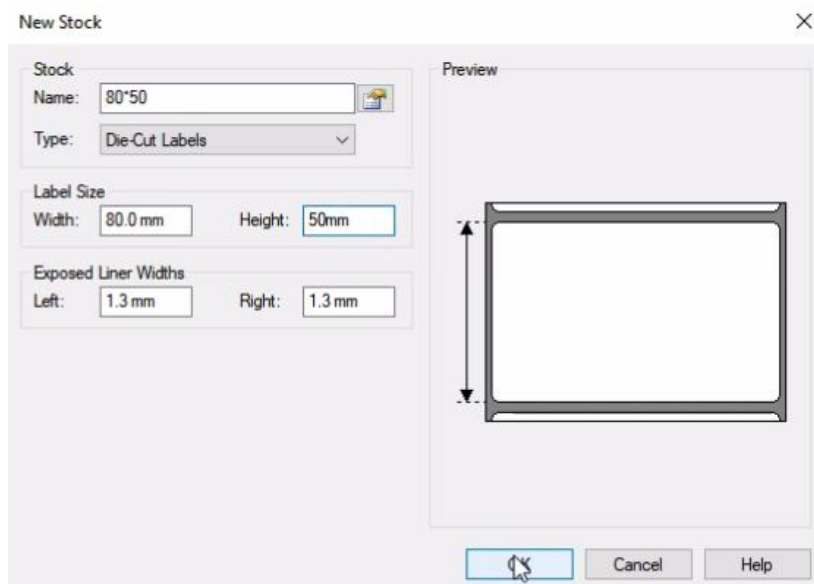
Step 3:

Click on New.



Step 4:

Set the new volume name and paper size. Click OK.



Graphics Settings

Step 1:

Click on "Graphics."

Step 2:

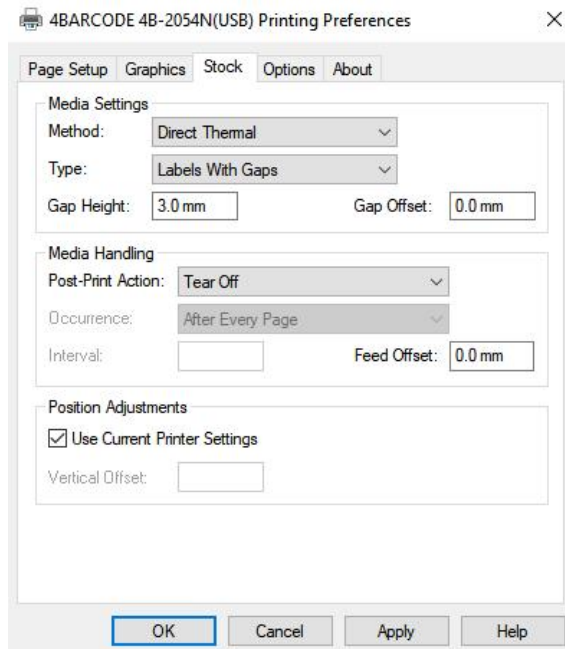
Set graphics options you need (Note: Select "None" when printing text, and select other modes for printing pictures).



How to print black mark paper or continuous?

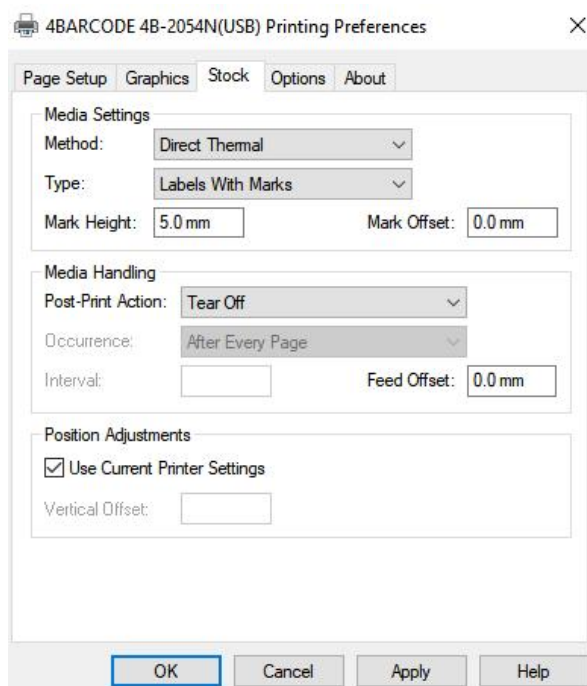
Step 1:

Click on “Stock.”



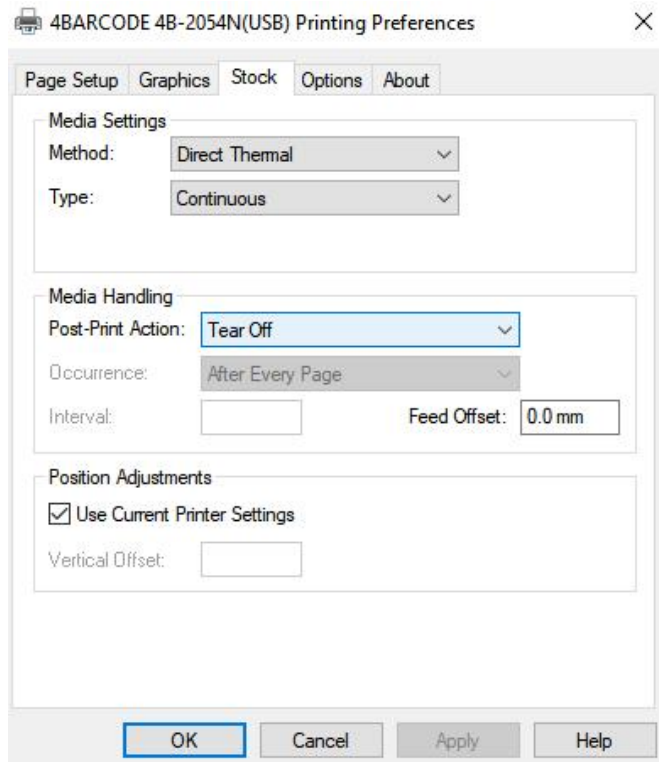
Step 2:

In the Type option, select Label With Marks and set the Mark Height to match the black mark height of your paper. The printer will switch to black mark paper mode after saving.



Step 3:

In the Type option, select Continuous. The printer will switch to continuous paper mode after saving.



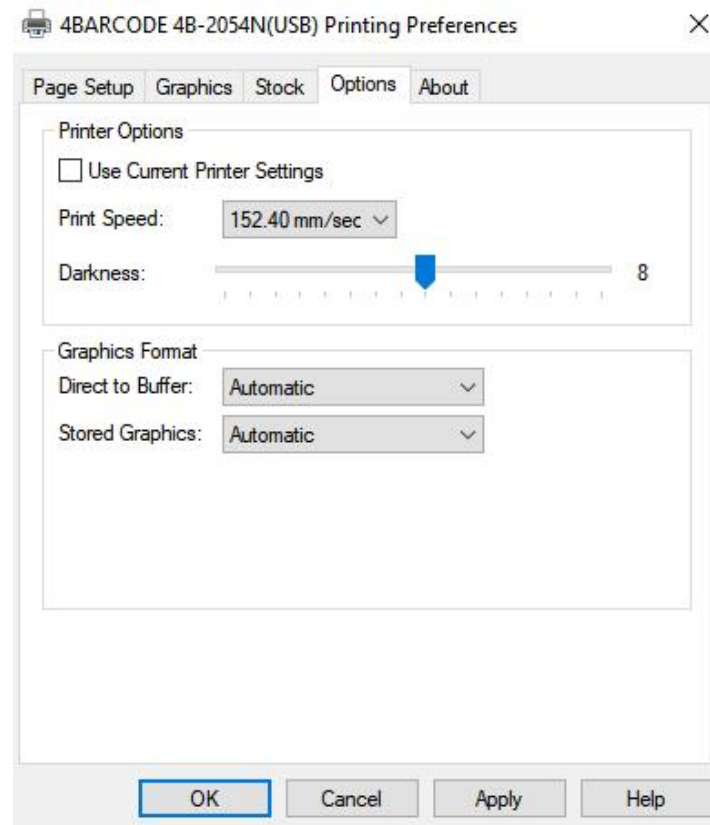
How to set the printing speed and printing density?

Step 1:

Click on “Options.”

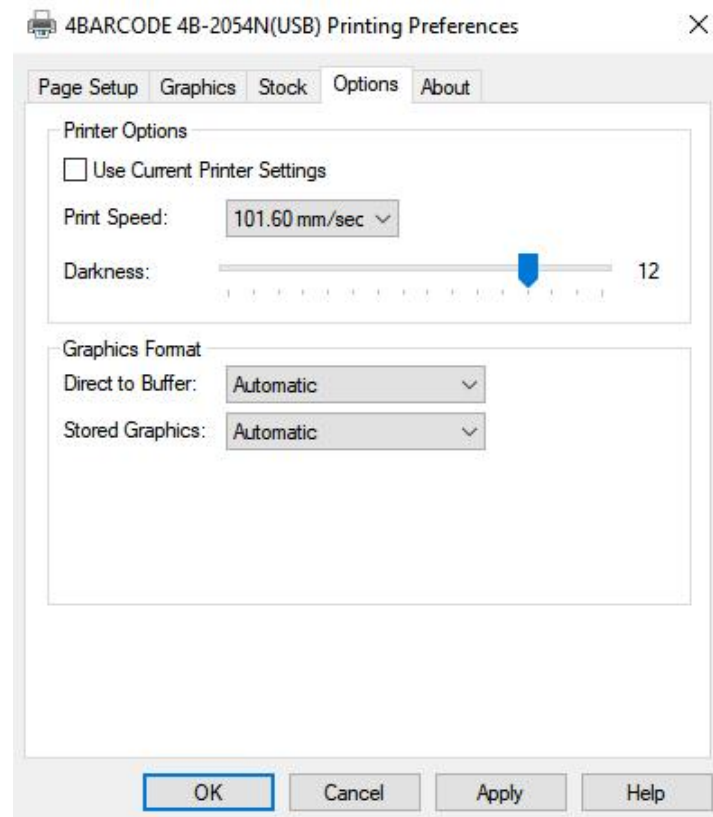
Step 2:

Uncheck Use Current Printer Settings



Step 3:

Set the speed and darkness of the printer. (Note: If the density is not set to the maximum, it may damage the printer.)

**Step 4:**

Click Apply, OK. Save Settings.

5. BarTender UltraLite

5.1 How to print custom labels using BarTender?

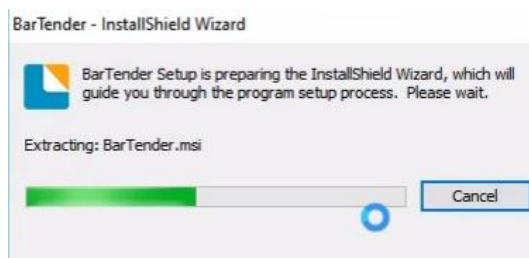
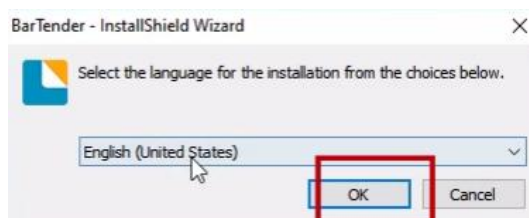
Step 1:

First, install the BarTender program.

Name	Date modified	Type	Size
Barcode edit manual.pdf	04/02/2021 14:12	Microsoft Edge P...	4,412 KB
Bartender_2016_R3_3094_UL_4Barcode.exe	17/08/2020 16:46	Application	165,066 KB

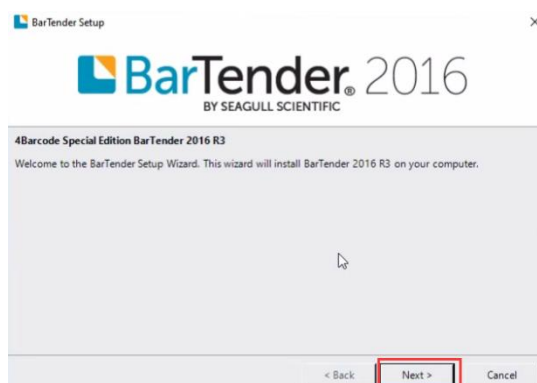
Step 2:

Select the installation language, and click OK. Wait for the loading process.



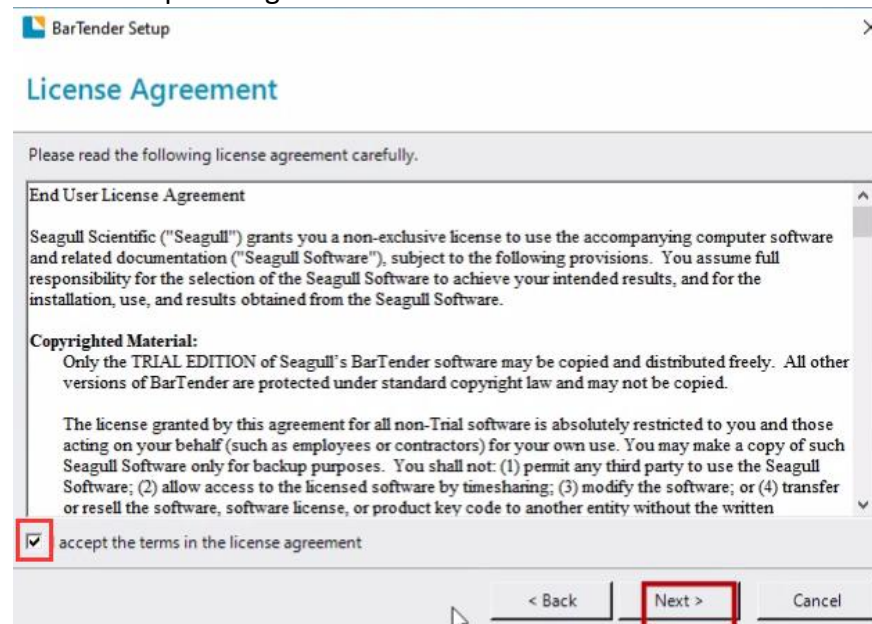
Step 3:

Click Next.



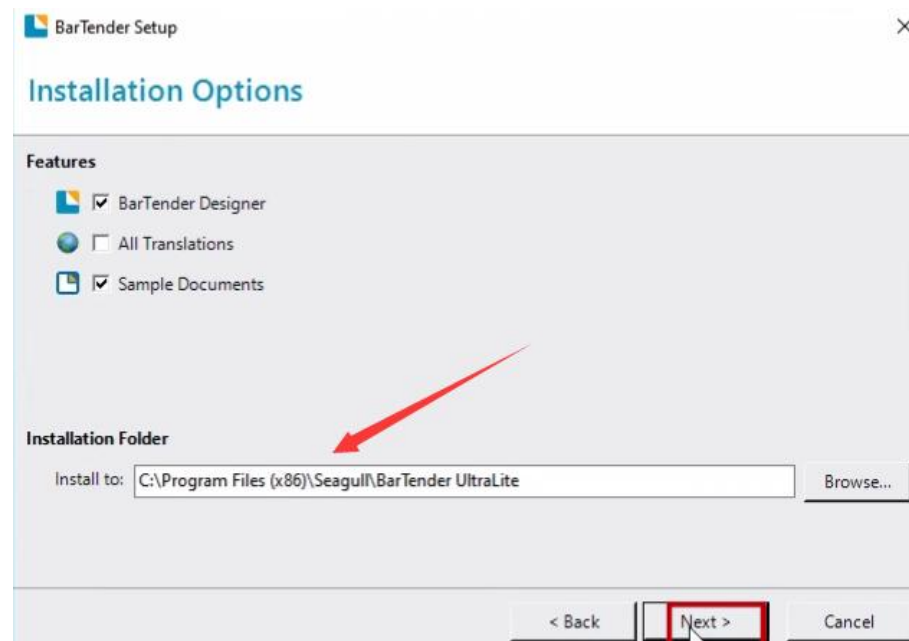
Step 4:

Tick to accept the agreement and click Next.



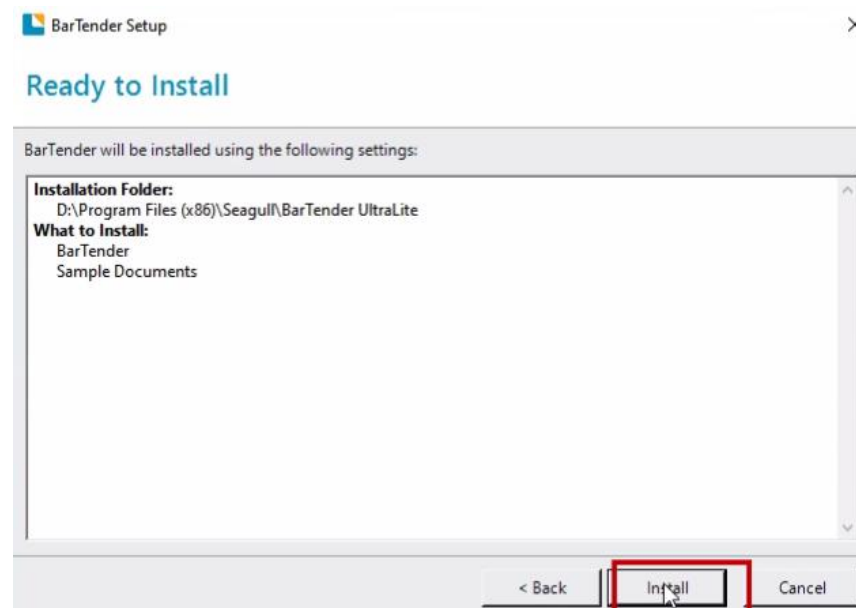
Step 5:

You can keep the default or modify the installation address. Then click Next.



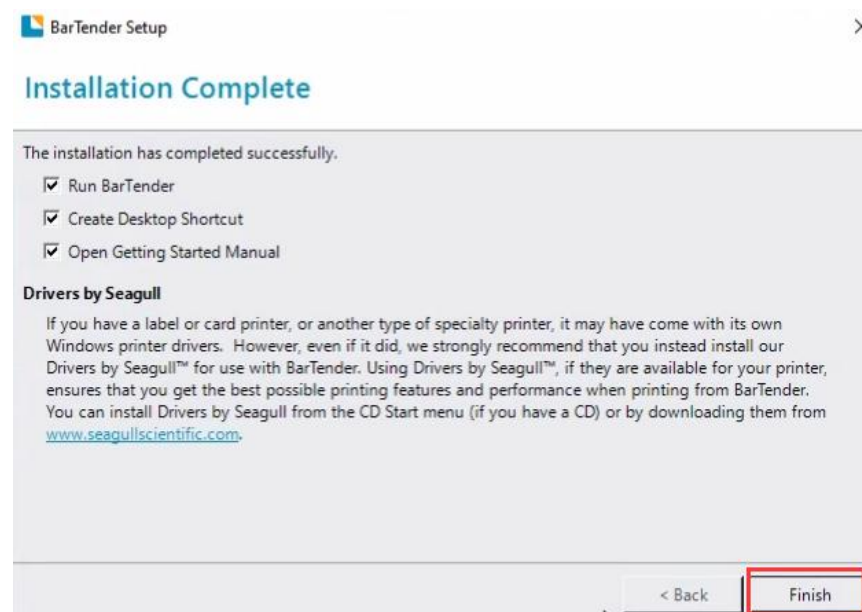
Step 6:

After confirming that the installation location is correct, click Install.



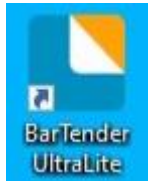
Step 7:

After the installation is complete, click Finish.



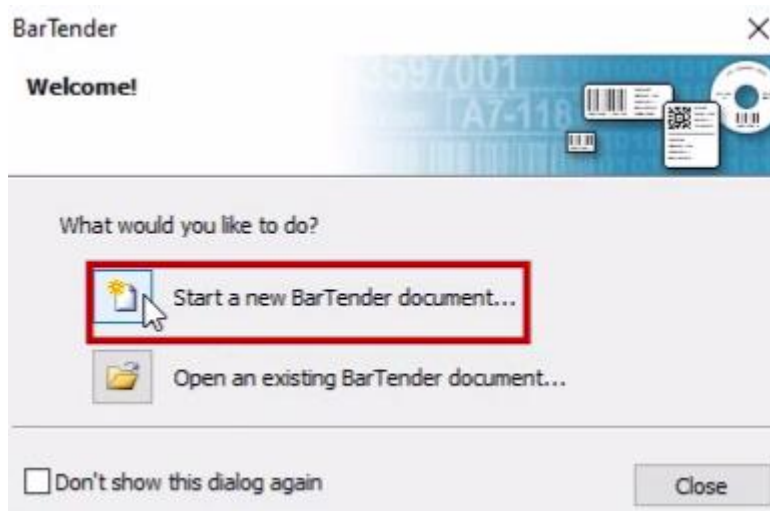
Step 8:

Double click to open BarTender UltraLite.



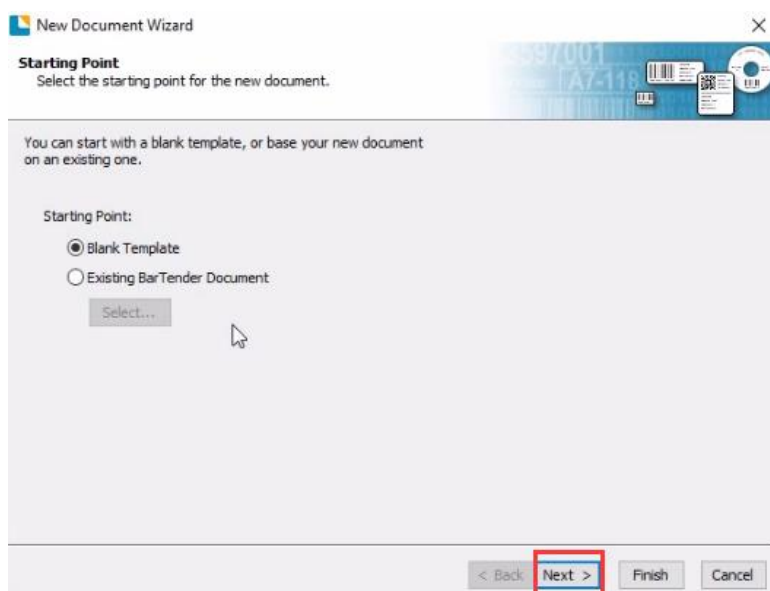
Step 9:

If you are using it for the first time, please choose to create a new label file.



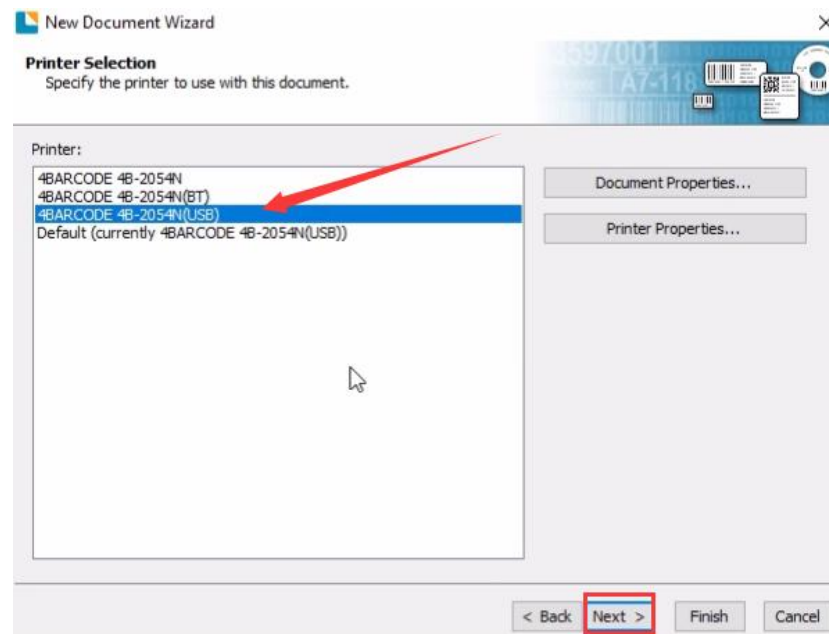
Step 10:

Click Next



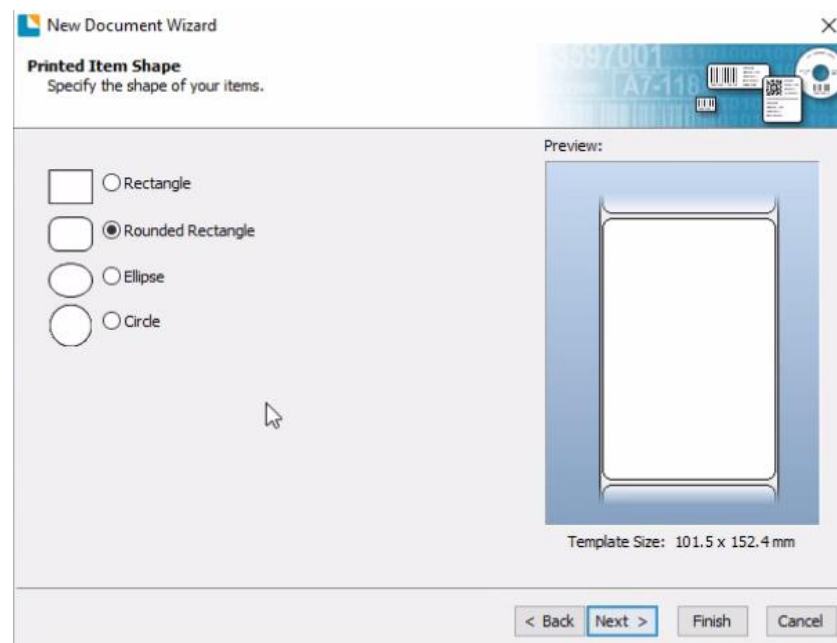
Step 11:

Select the printer driver you currently need to use.



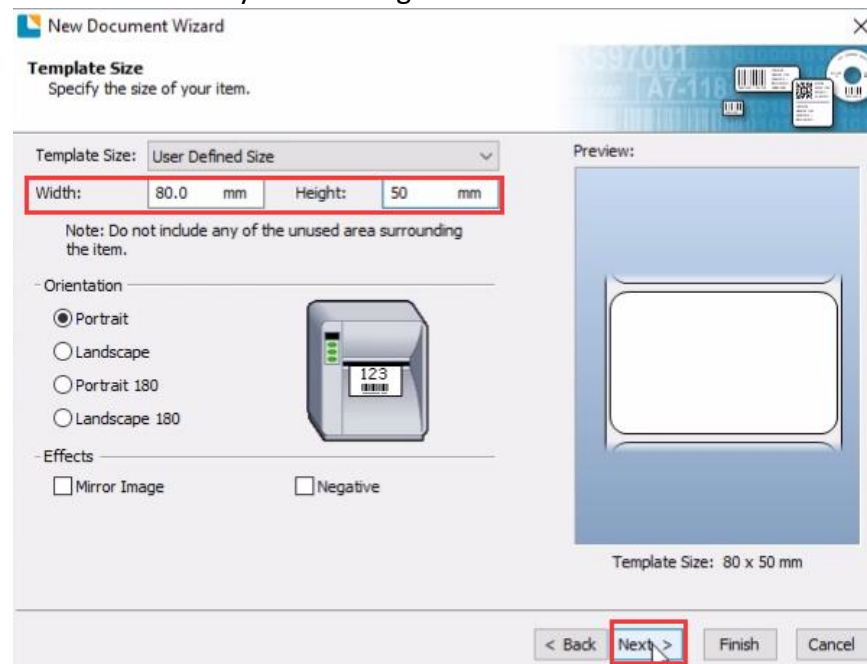
Step 12:

Choose the paper shape you use.



Step 13:

Set the label size you are using.



The 'New Document Wizard' window is shown at the 'Template Size' step. The title bar says 'New Document Wizard'. Below the title, it says 'Template Size' and 'Specify the size of your item.' The 'Template Size' dropdown is set to 'User Defined Size'. The 'Width' is 80.0 mm and the 'Height' is 50 mm, both fields are highlighted with a red box. A note says 'Note: Do not include any of the unused area surrounding the item.' Under 'Orientation', 'Portrait' is selected with a radio button. There are also options for 'Landscape', 'Portrait 180', and 'Landscape 180'. Under 'Effects', there are checkboxes for 'Mirror Image' and 'Negative', both of which are unchecked. A preview of a label with the number '123' is shown. At the bottom right, the 'Next >' button is highlighted with a red box. Other buttons include '< Back', 'Finish', and 'Cancel'.

Template Size: User Defined Size

Width: 80.0 mm Height: 50 mm

Note: Do not include any of the unused area surrounding the item.

Orientation:

- ☒ Portrait
- ☐ Landscape
- ☐ Portrait 180
- ☐ Landscape 180

Effects:

- ☐ Mirror Image
- ☐ Negative

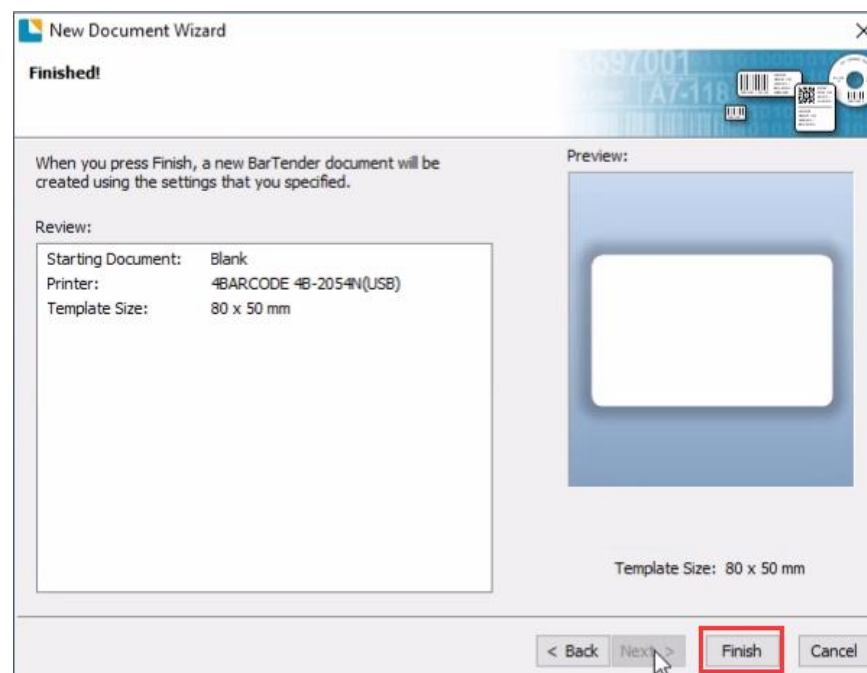
Preview:

Template Size: 80 x 50 mm

< Back Next > Finish Cancel

Step 14:

After setting the paper size, click Next or just click Finish.



The 'New Document Wizard' window is shown at the 'Finished!' step. The title bar says 'New Document Wizard'. Below the title, it says 'Finished!'. A message says 'When you press Finish, a new BarTender document will be created using the settings that you specified.' Under 'Review:', there is a list of settings: 'Starting Document: Blank', 'Printer: 4BARCODE 4B-2054N(USB)', and 'Template Size: 80 x 50 mm'. A preview of a blank label is shown. At the bottom right, the 'Finish' button is highlighted with a red box. Other buttons include '< Back', 'Next >', and 'Cancel'.

Finished!

When you press Finish, a new BarTender document will be created using the settings that you specified.

Review:

- Starting Document: Blank
- Printer: 4BARCODE 4B-2054N(USB)
- Template Size: 80 x 50 mm

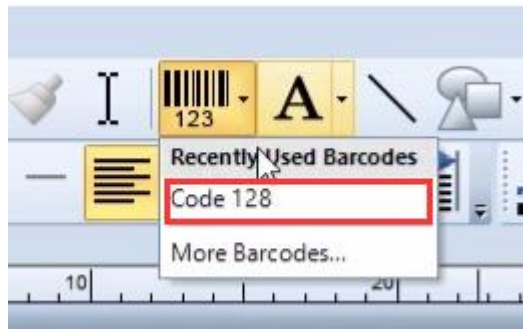
Preview:

Template Size: 80 x 50 mm

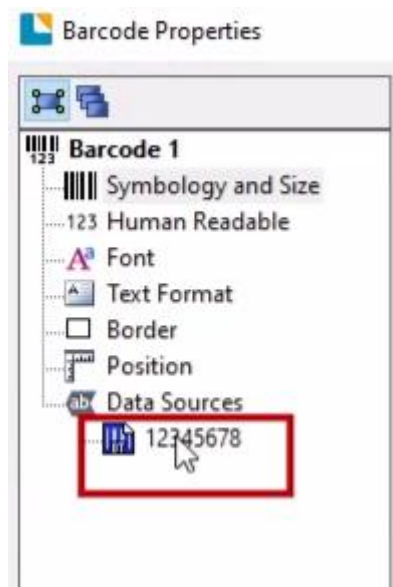
< Back Next > Finish Cancel

Step 15:

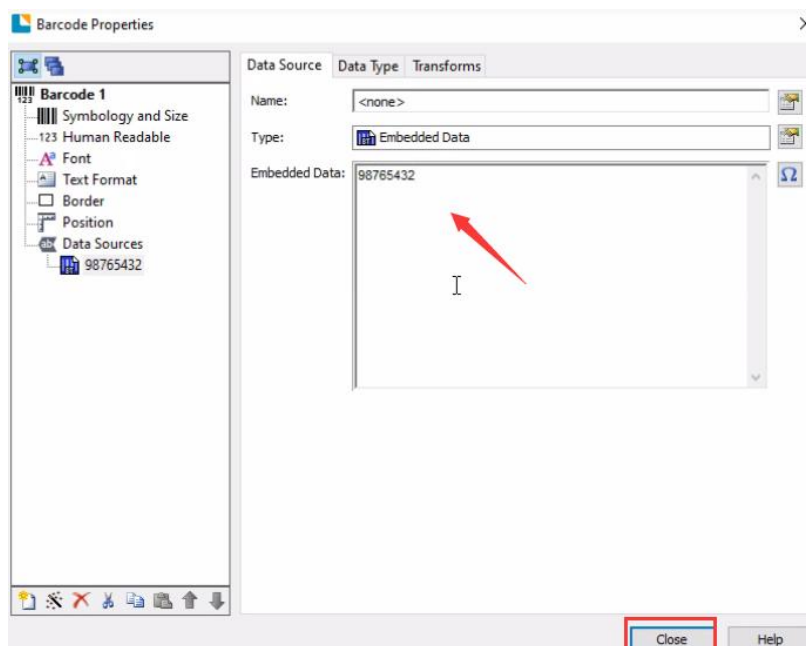
Select the barcode type you need and drag it onto the canvas.

**Step 16:**

After double-clicking the barcode, select the data source.



Step 17:
Modify data content.

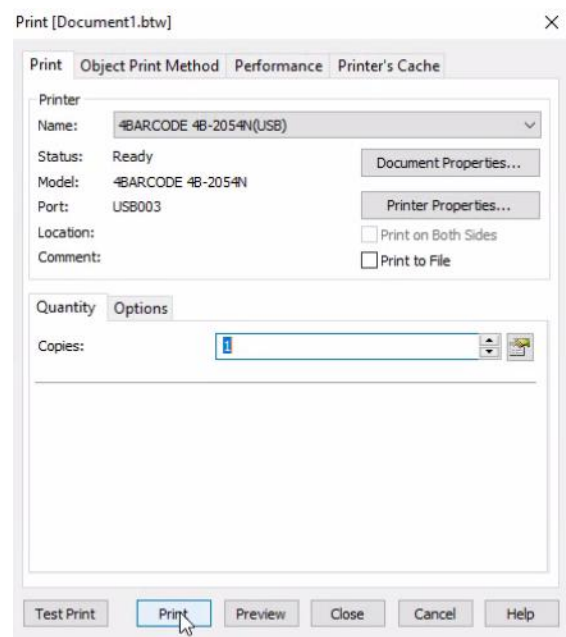
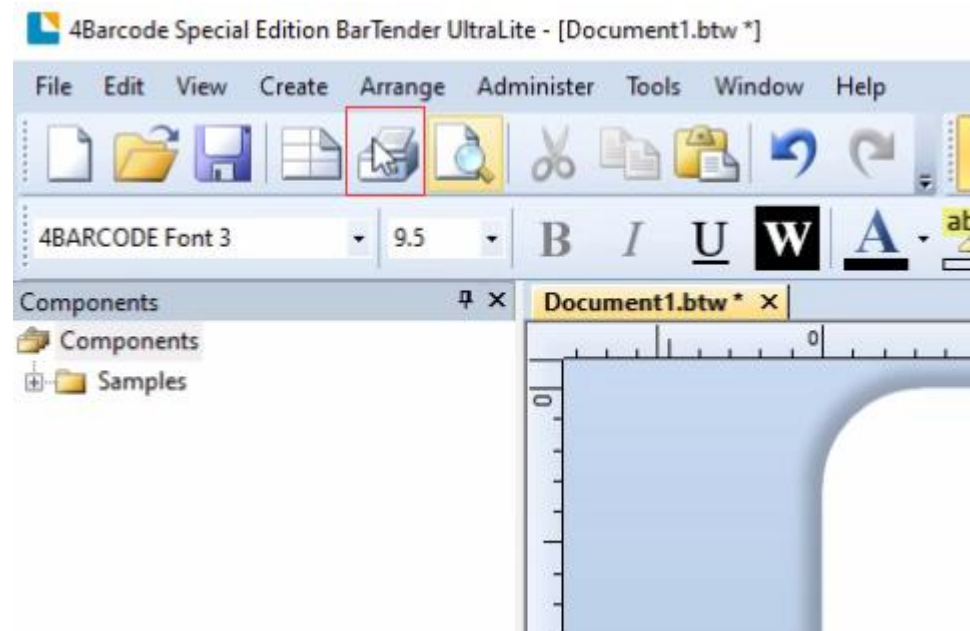


Step 18:
Adjust the position of the barcode and add the text content.

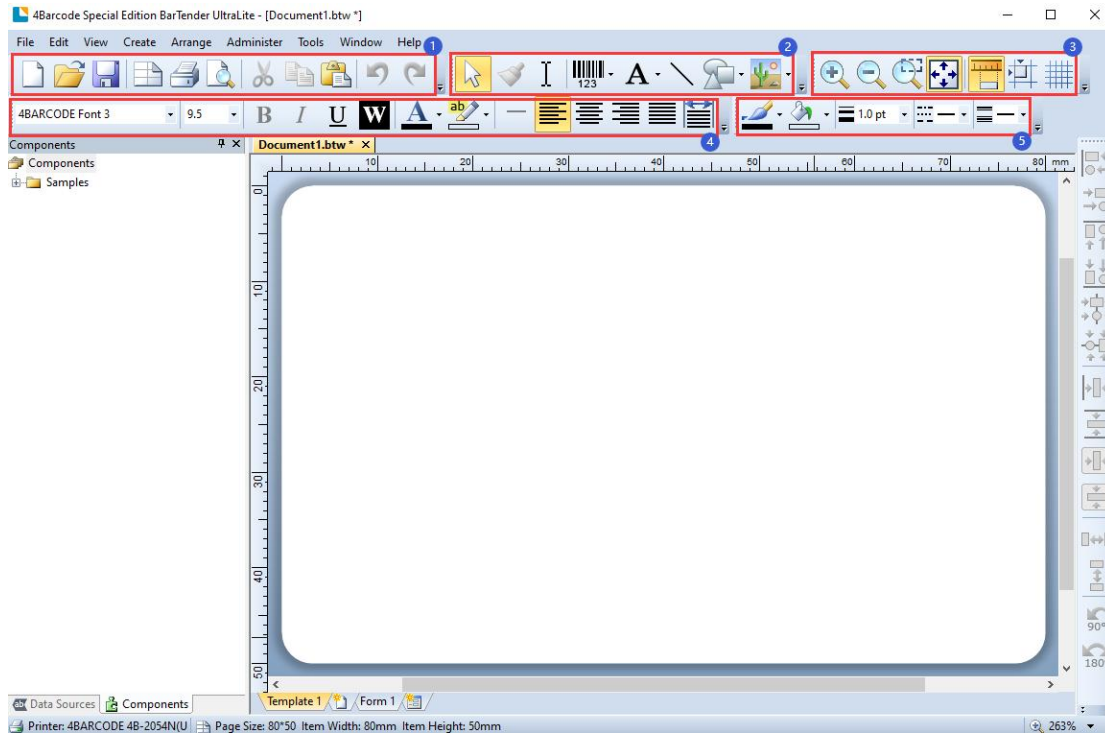


Step 19:

When you're done customizing your settings, click Print.



The general functions of BarTender UltraLite are as follows.



- 1.Common:New document,Save,print...etc.
- 2.Edit: barcode, text,choose....etc.
3. View: zoom(big or small),Centered...etc.
4. Text:Font,Size Increase, Size Reduce,Paragraph...etc.
5. Line and shape: line size,padding

6. For macOS

6.1 How to install printer driver on mac?

Step 1:

Connect your printer to your computer using a USB cable and turn it on. Make sure the paper is loaded correctly and the printer indicator light is blue, indicating it is working properly.

Step 2:

If a message appears asking if you want to allow the connected device to access your Mac, click "Allow".



Step 3:

Insert the USB stick that came with your printer into your Mac.



Step 4:

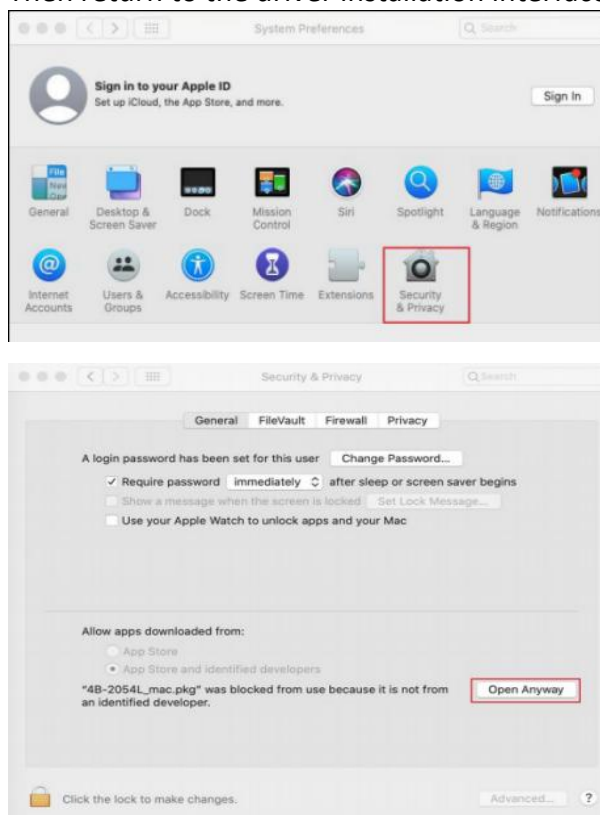
Double-click the driver package file.



If the following security warning appears,

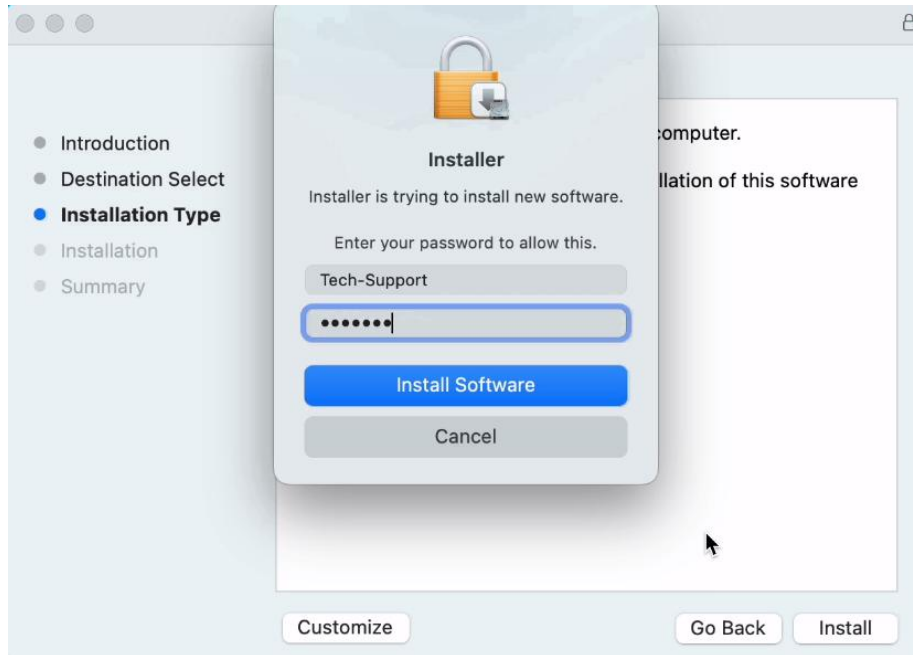


go to "System Preferences", click "Security & Privacy", and click "Open Anyway". Then return to the driver installation interface to continue.



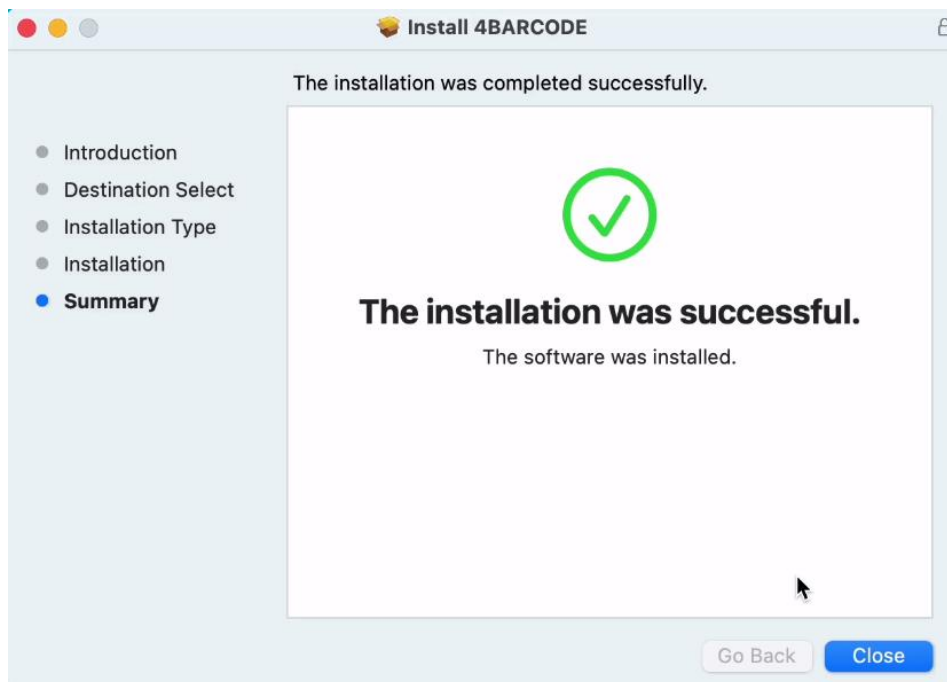
Step 5:

Enter your Mac's password, and click "Install Software".



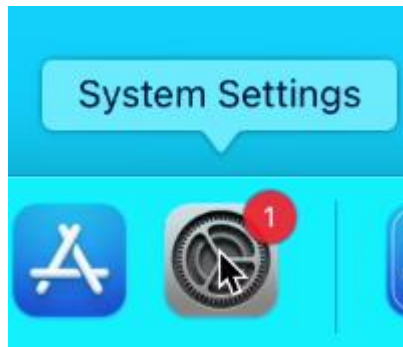
Step 6:

Wait for the driver to finish installing.



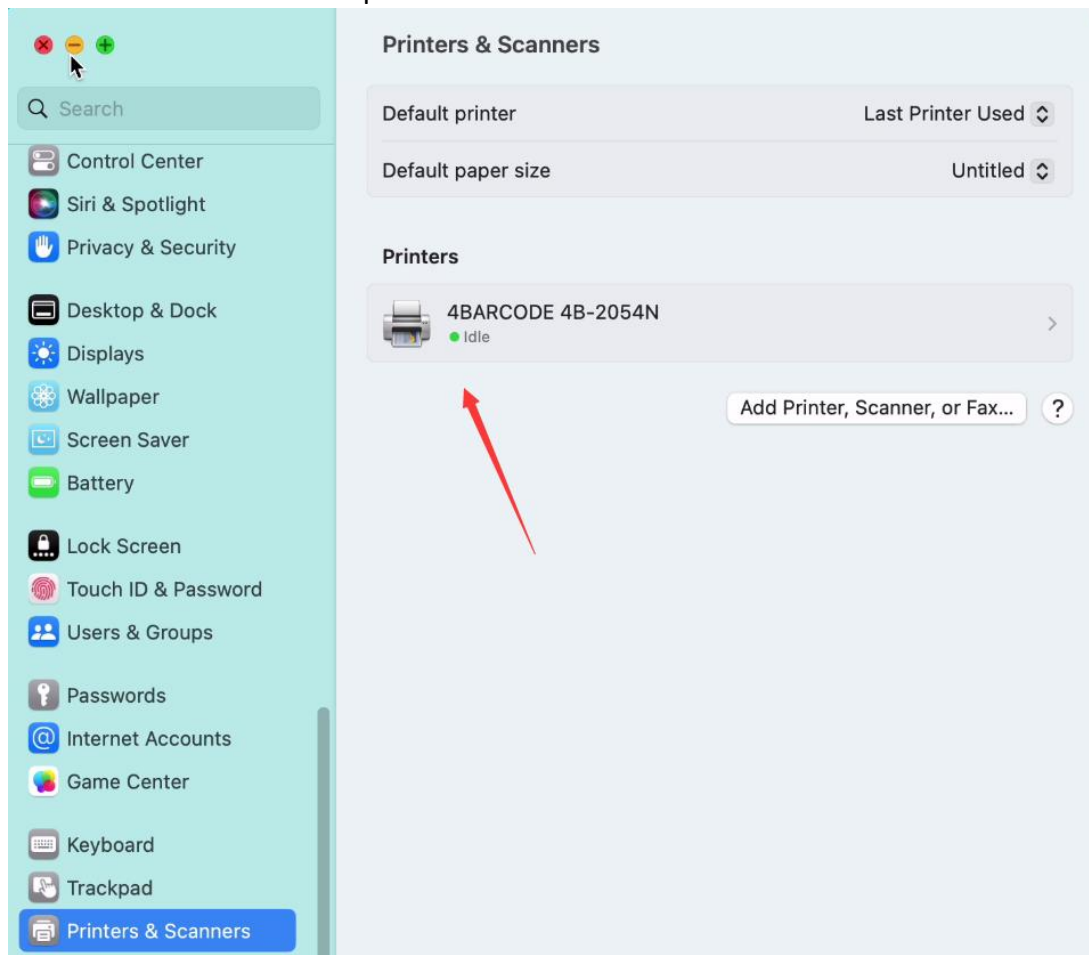
Step 7:

Enter your System Settings.



Step 8:

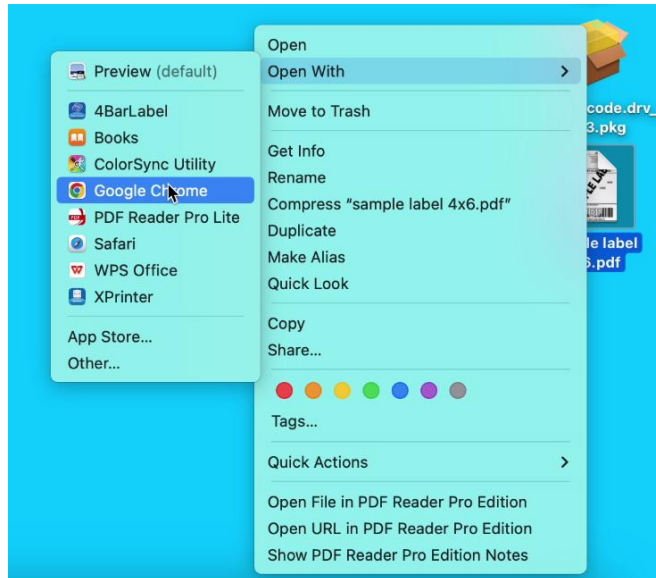
Find "Printers & Scanners". If the driver is successfully installed, the printer will display the status. If the displayed status is offline, you need to check whether the USB cable and the OTG adapter cable are normal.



6.2 How to print the standard label on mac?

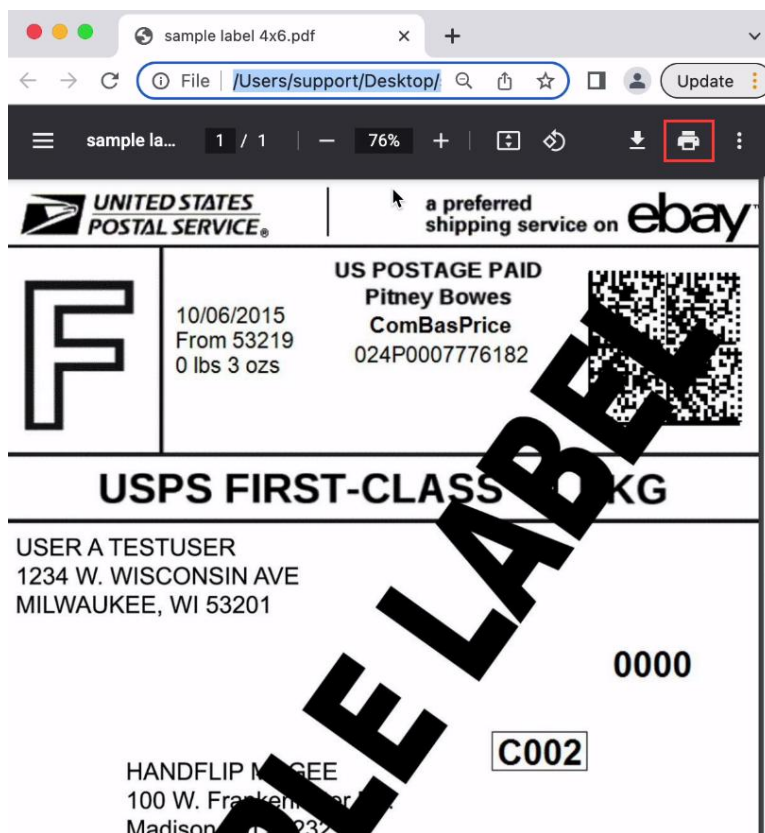
Step 1:

Open the file with Google Chrome.



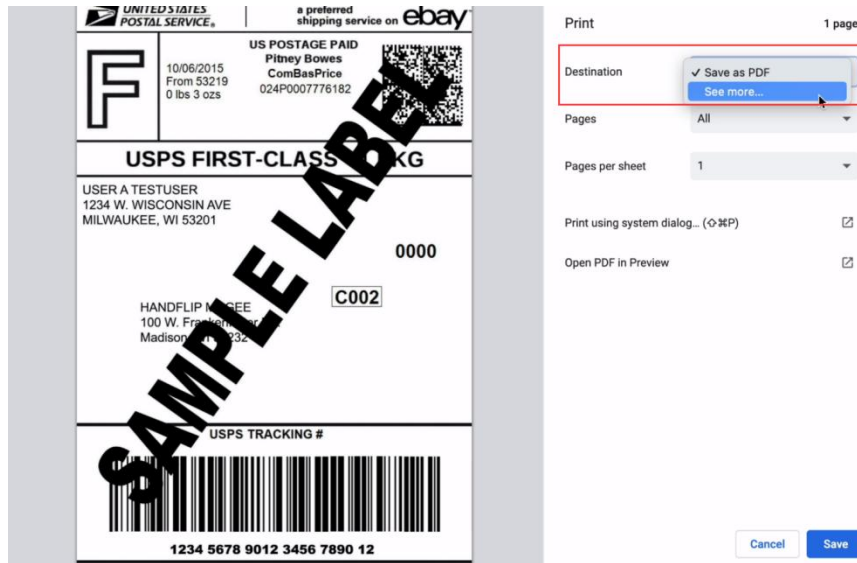
Step 2:

Click Print.



Step 3:

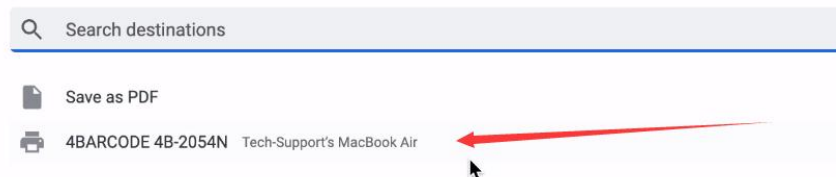
Click “See more” in Destination.



Step 4:

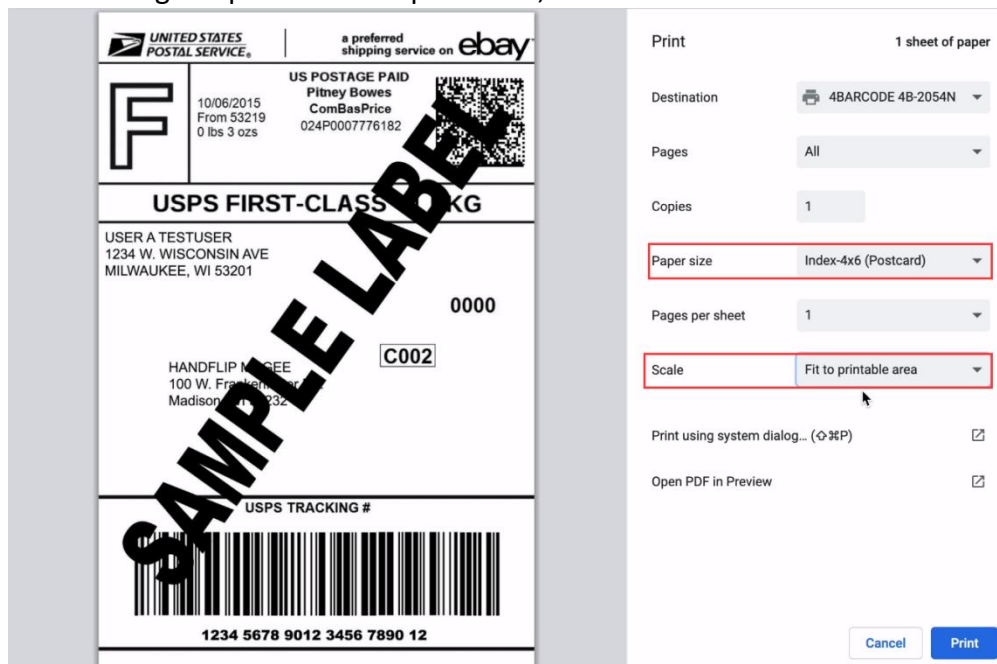
Find the installed printer driver.

Select a destination

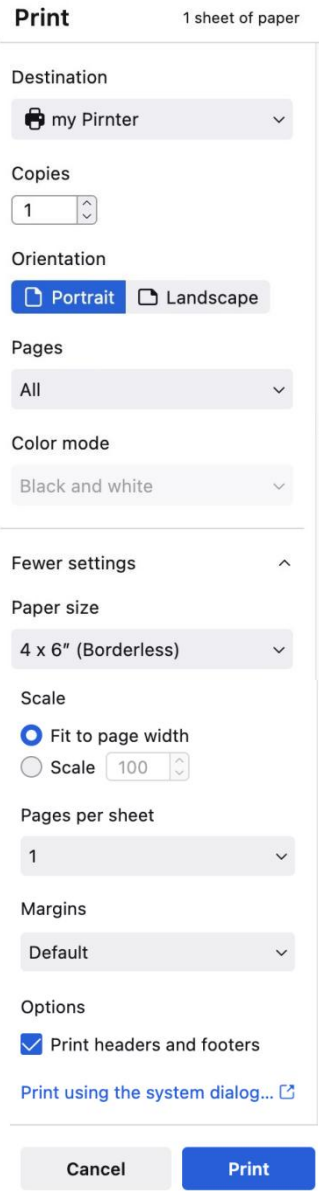


Step 5:

After setting the print size and print area, click “Print”.



Firefox Browser

 <p>Print 1 sheet of paper</p> <p>Destination my Pirnter</p> <p>Copies 1</p> <p>Orientation Portrait Landscape</p> <p>Pages All</p> <p>Color mode Black and white</p> <p>Fewer settings</p> <p>Paper size 4 x 6" (Borderless)</p> <p>Scale <input checked="" type="radio"/> Fit to page width <input type="radio"/> Scale 100</p> <p>Pages per sheet 1</p> <p>Margins Default</p> <p>Options <input checked="" type="checkbox"/> Print headers and footers</p> <p>Print using the system dialog...</p> <p>Cancel Print</p>	<p>Destination: Select the printer driver you installed to print.</p> <p>Copies: how many copies should be printed. Default is to print one copy.</p> <p>Orientation: Portrait: Present image as width greater than high. Landscape: Present image as width smaller than high.</p> <p>Pages: Print all pages or choose to print pages.</p> <p>Paper size: Select the size that matched the installed label. If there is none, go to driver to create label size and restart Google Chrome.</p> <p>Scale: To zoom in or out content on label.</p> <p>Pages per sheet: Determines how many pages a tab should contain.</p> <p>Margins: Just keep the default settings.</p> <p>Options: Please cancel the "Print headers and footers" option, irrelevant information may be printed at the top and bottom of the page. Print Background: Select whether to print the website background.</p> <p>Print using system dialog: For details, see (How to set paper size, printer mode, printing speed and density?)</p>
---	---

6.3 How to set paper size, printer mode, printing speed and density?

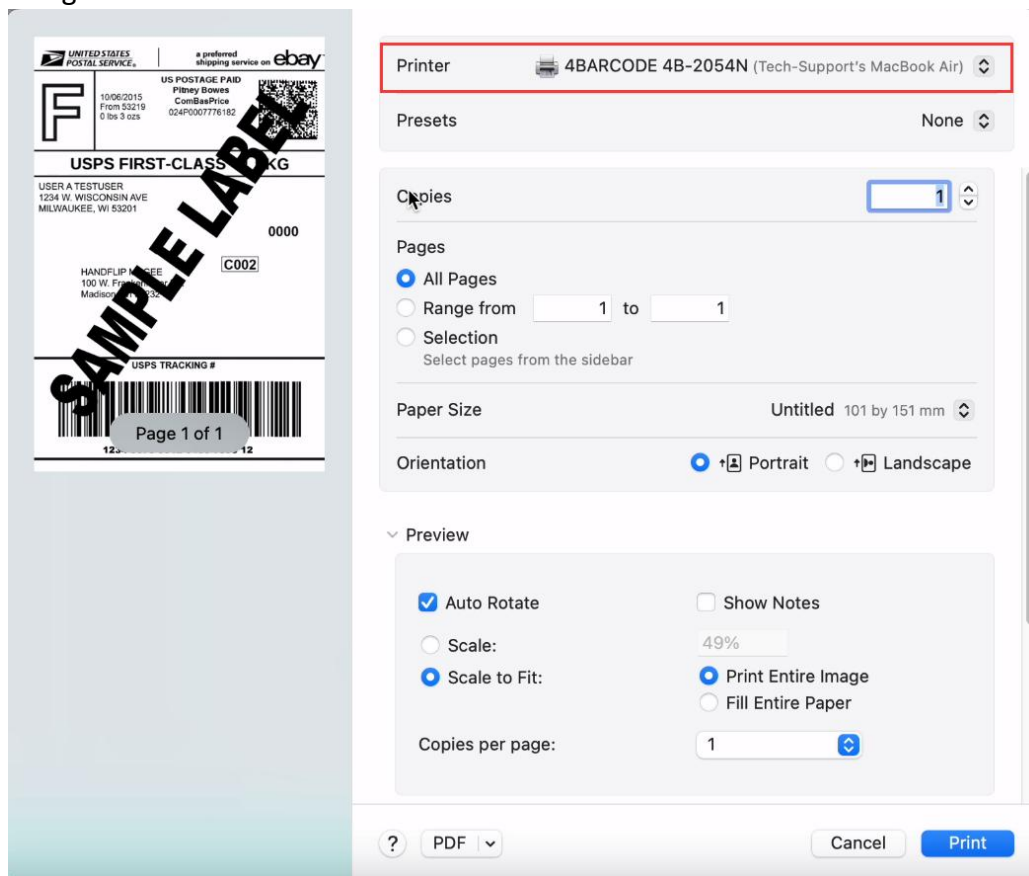
Step 1:

Open the file. Press and hold command+P on the keyboard to call out the print settings panel.



Step 2:

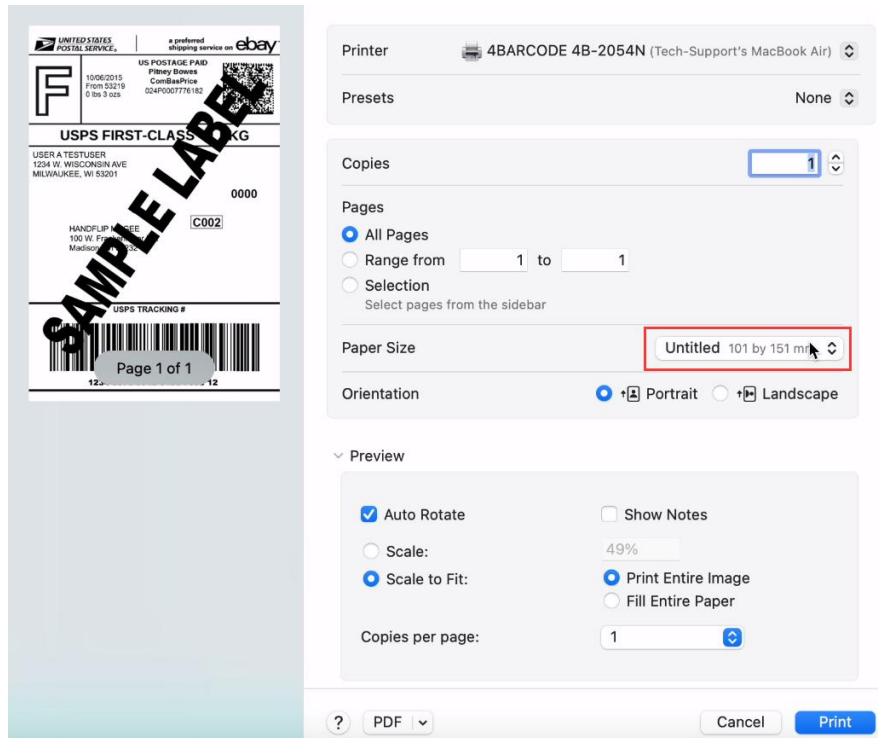
Please check the Printer. If it is different, please select the printer you are currently using.



Set the print size

Step 1:

Click on Paper Size.



Step 2:

Use a size from the list, or select Manage custom sizes.



Step 3:

Click the plus icon, and you can add custom size. Enter the height and width of the paper to be printed.

100*150
3*2
50*25
50x70mm
79*50
recipet-80mm
Untitled
Untitled 1
Untitled 2
Untitled 3
Untitled 4
Untitled 5

Width: 80 mm
Height: 60

Margins: User Defined
Top: 0 mm
Bottom: 0 mm
Left: 0 mm
Right: 0 mm

Cancel OK

Set black mark paper and continuous paper mode

Step 1:

Click on “Printer Options” and enter “Printer Features”.

Printer: 4BARCODE 4B-2054N (Tech-Support's MacBook Air)
Presets: None

Preview

☒ Auto Rotate ☐ Show Notes
☐ Scale: 27%
☒ Scale to Fit: ☒ Print Entire Image
☐ Fill Entire Paper
Copies per page: 1

> Layout
1 page per sheet

> Paper Handling
Collate Sheets, All Sheets

> Printer Options
Printer Features

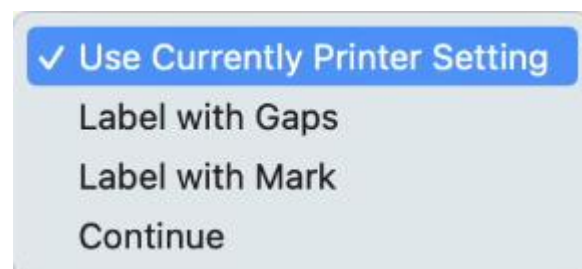
> Printer Info

Cancel Print

Step 2:

Select options according to the type of paper used.

The screenshot shows a 'Media Setting' dialog box. At the top, 'Feature Sets:' is set to 'Media Setting'. Below, there are several settings: 'Method:' is 'Use Currently Printer Setting', 'Type:' is 'Use Currently Printer Setting' (highlighted with a red box), 'GapsHeight:' is '0.118 in', 'Post-Print Action:' is 'Tear Off', and 'Occurrence:' is 'After Every Page'. At the bottom, there are 'Cancel' and 'OK' buttons.



Step 3:

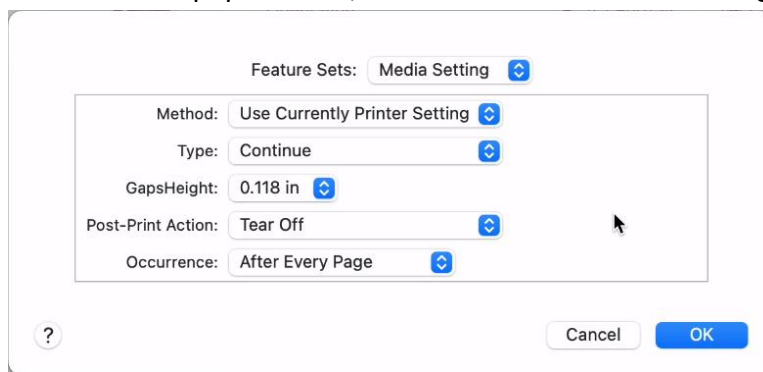
In Gap Paper mode, select the actual gap height of the paper.

The screenshot shows the 'Media Setting' dialog box. 'Feature Sets:' is 'Media Setting'. 'Method:' is 'Use Currently Printer Setting'. 'Type:' is 'Label with Gaps'. 'GapsHeight:' is '0.118 in' (highlighted with a red box). 'Post-Print Action:' is 'Tear Off'. 'Occurrence:' is 'After Every Page'. 'Cancel' and 'OK' buttons are at the bottom.

In black mark paper mode, select the actual black mark height of the paper.

The screenshot shows the 'Media Setting' dialog box. 'Feature Sets:' is 'Media Setting'. 'Method:' is 'Use Currently Printer Setting'. 'Type:' is 'Label with Mark'. 'GapsHeight:' is '0.118 in' (highlighted with a red box). 'Post-Print Action:' is 'Tear Off'. 'Occurrence:' is 'After Every Page'. 'Cancel' and 'OK' buttons are at the bottom.

In continuous paper mode, there is no need to set the height.

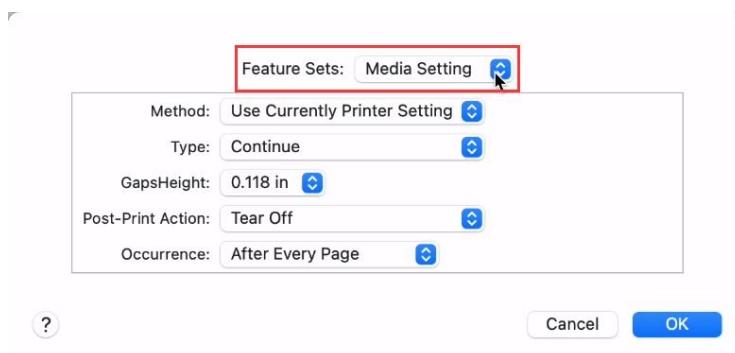


A screenshot of a software dialog box titled "Media Setting". It contains several dropdown menus: "Method" set to "Use Currently Printer Setting", "Type" set to "Continue", "GapsHeight" set to "0.118 in", "Post-Print Action" set to "Tear Off", and "Occurrence" set to "After Every Page". At the bottom, there are "Cancel" and "OK" buttons. A question mark icon is in the bottom left corner.

Set the printing speed and density?

Step 1:

Click on "Feature Sets" and select "Printer Options".



A screenshot of the same "Media Setting" dialog box. A red rectangle highlights the "Feature Sets" dropdown menu, which is currently set to "Media Setting". A mouse cursor is pointing at the dropdown arrow. The other settings and buttons remain the same.



Step 2:

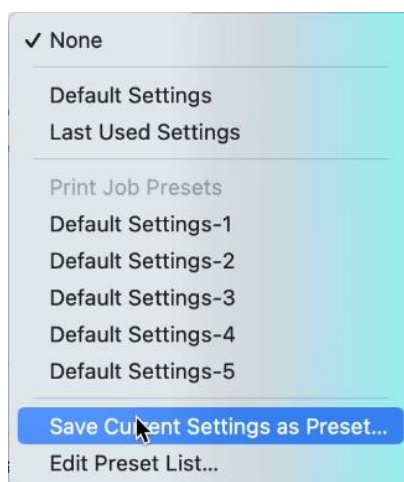
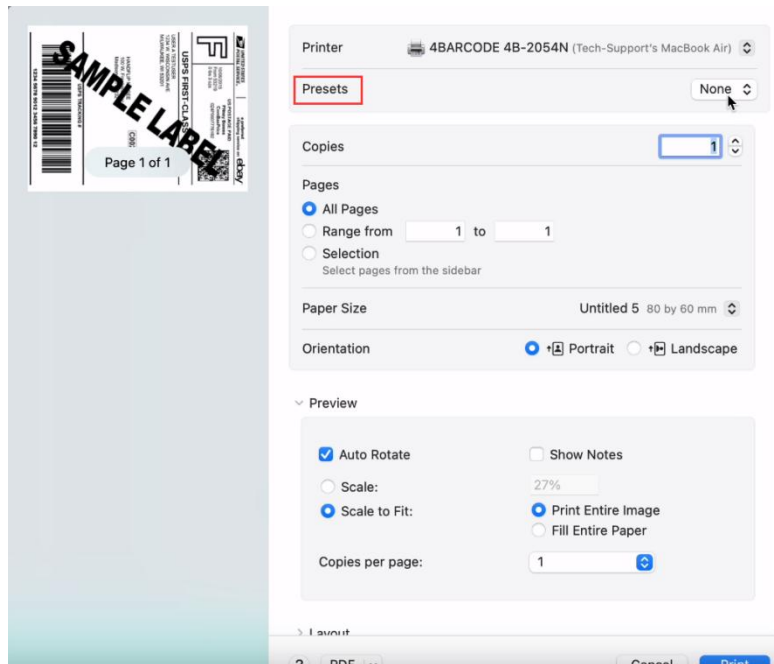
Select the printer speed and density you need. (Note: If the density is not set to the maximum, it may damage the printer.)



A screenshot of a software dialog box titled "Printer Options". It contains two dropdown menus: "Print Speed" set to "101.6 mm/sec" and "Darkness" set to "12". At the bottom, there are "Cancel" and "OK" buttons. A question mark icon is in the bottom left corner.

Save settings

Click “Presets”. Select “Save Current Setting as Preset”. Enter Preset Name. Click OK.



Preset Name:

Available For: ☒ 4BARCODE 4B-2054N
☐ All printers

Type: ☐ Custom Preset
☒ Print Job Preset

7. For Linux

7.1 How to install printer driver on linux?

Step 1:

Connect your printer to your computer using a USB cable and turn it on. Make sure the paper is loaded correctly and the printer indicator light is blue, indicating it is working properly.

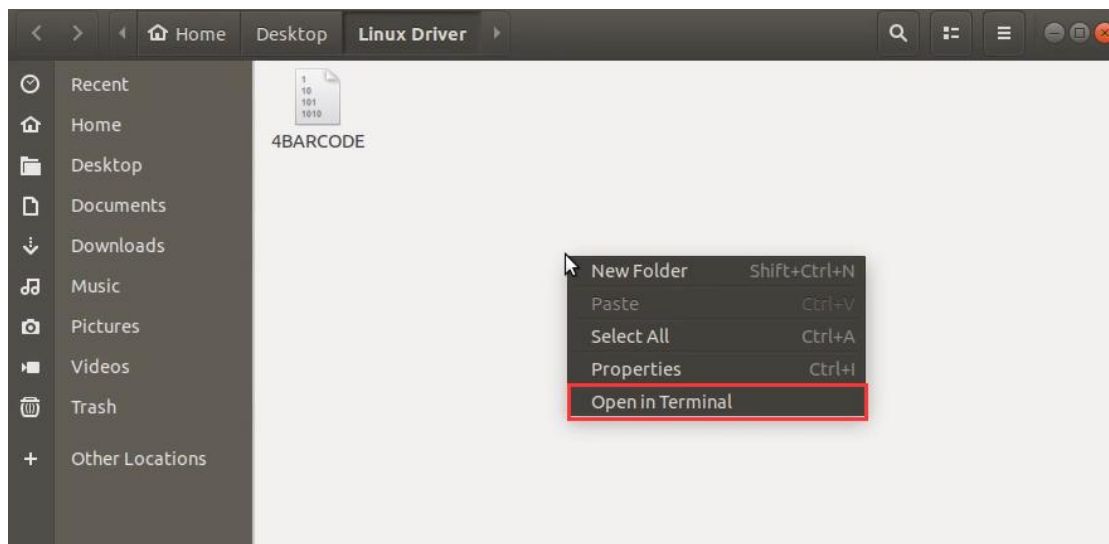
Step 2:

Insert the USB stick that came with your printer into your device.



Step 3:

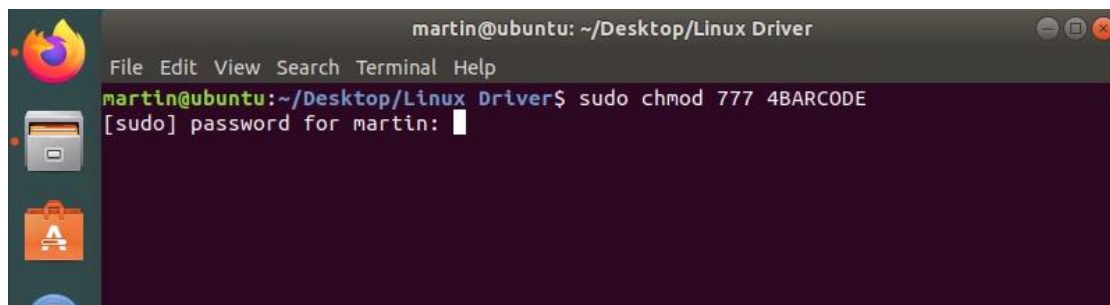
Right click “Open in Terminal”.



Step 4:

First enter `sudo chmod 777 4BARCODE`

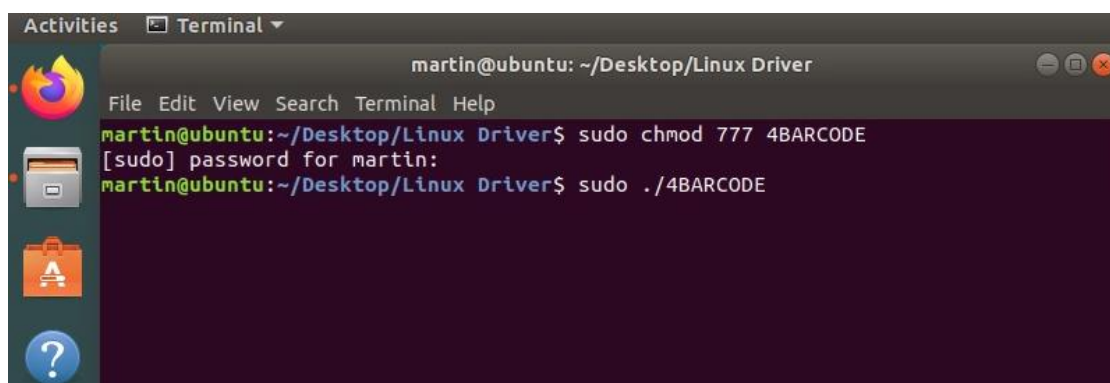
Then enter the password.

A terminal window titled 'martin@ubuntu: ~/Desktop/Linux Driver'. The prompt is 'martin@ubuntu:~/Desktop/Linux Driver\$'. The command 'sudo chmod 777 4BARCODE' has been entered. The prompt has changed to '[sudo] password for martin:' with a cursor waiting for input.

```
martin@ubuntu: ~/Desktop/Linux Driver
File Edit View Search Terminal Help
martin@ubuntu:~/Desktop/Linux Driver$ sudo chmod 777 4BARCODE
[sudo] password for martin:
```

Step 5:

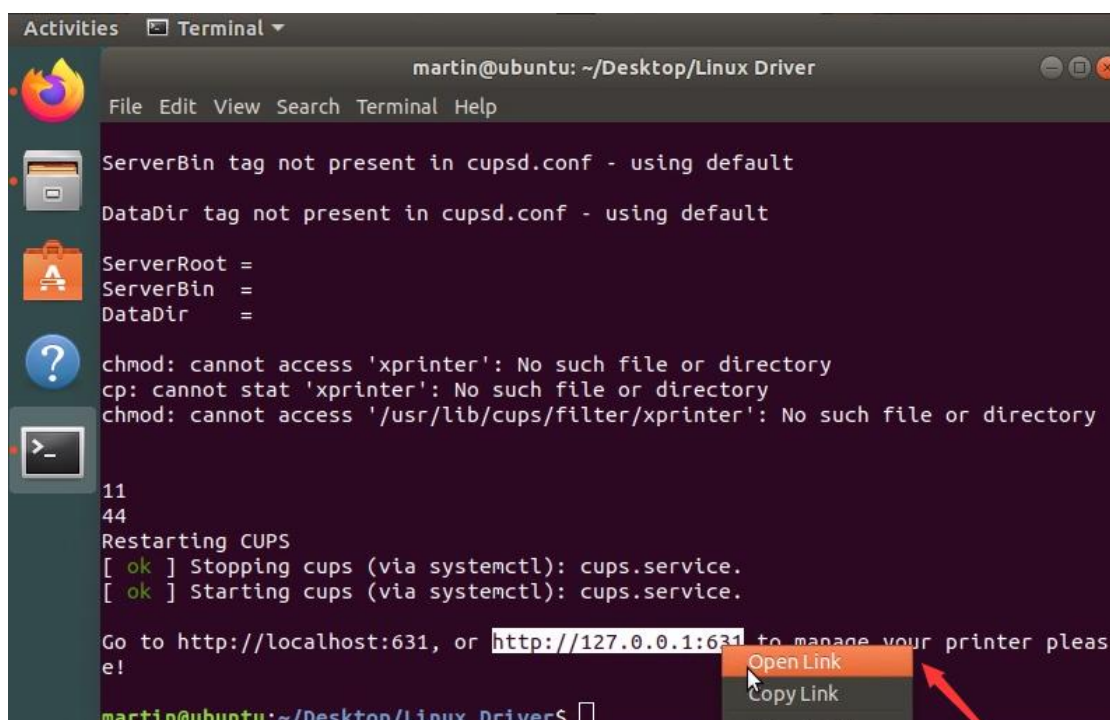
Enter `sudo ./4BARCODE`

A terminal window titled 'martin@ubuntu: ~/Desktop/Linux Driver'. It shows the previous command and its execution. The new command 'sudo ./4BARCODE' has been entered.

```
martin@ubuntu:~/Desktop/Linux Driver$ sudo chmod 777 4BARCODE
[sudo] password for martin:
martin@ubuntu:~/Desktop/Linux Driver$ sudo ./4BARCODE
```

Step 6:

Copy or Open this link and enter the website.

A terminal window titled 'martin@ubuntu: ~/Desktop/Linux Driver'. It shows the output of the 'sudo ./4BARCODE' command. The output includes configuration details for CUPS and a URL to manage the printer. A red arrow points to the 'Open Link' button in a context menu that appears over the URL.

```
ServerBin tag not present in cupsd.conf - using default
DataDir tag not present in cupsd.conf - using default

ServerRoot =
ServerBin =
DataDir =

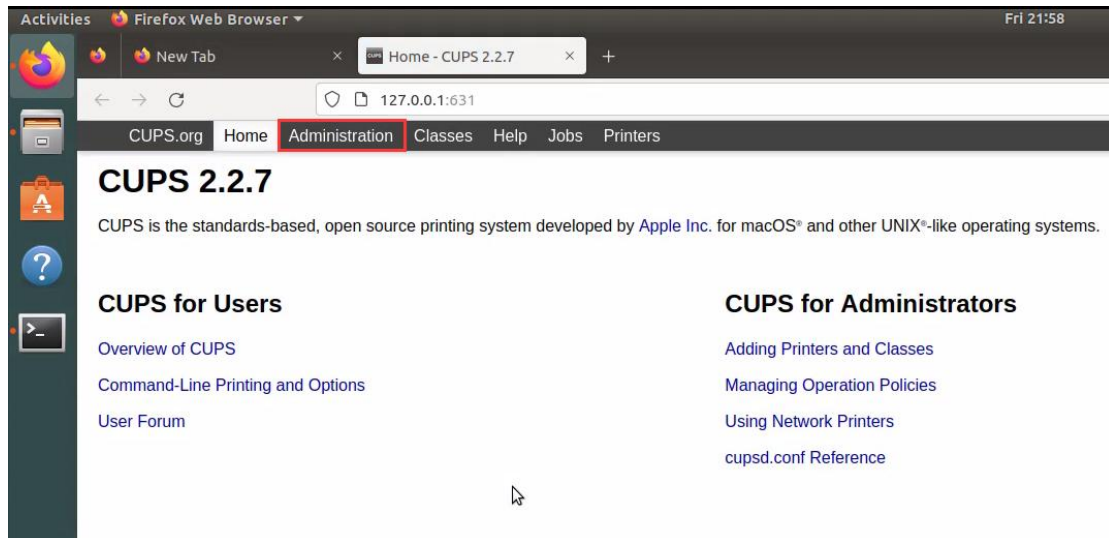
chmod: cannot access 'xprinter': No such file or directory
cp: cannot stat 'xprinter': No such file or directory
chmod: cannot access '/usr/lib/cups/filter/xprinter': No such file or directory

11
44
Restarting CUPS
[ ok ] Stopping cups (via systemctl): cups.service.
[ ok ] Starting cups (via systemctl): cups.service.

Go to http://localhost:631, or http://127.0.0.1:631 to manage your printer please!
martin@ubuntu:~/Desktop/Linux Driver$
```

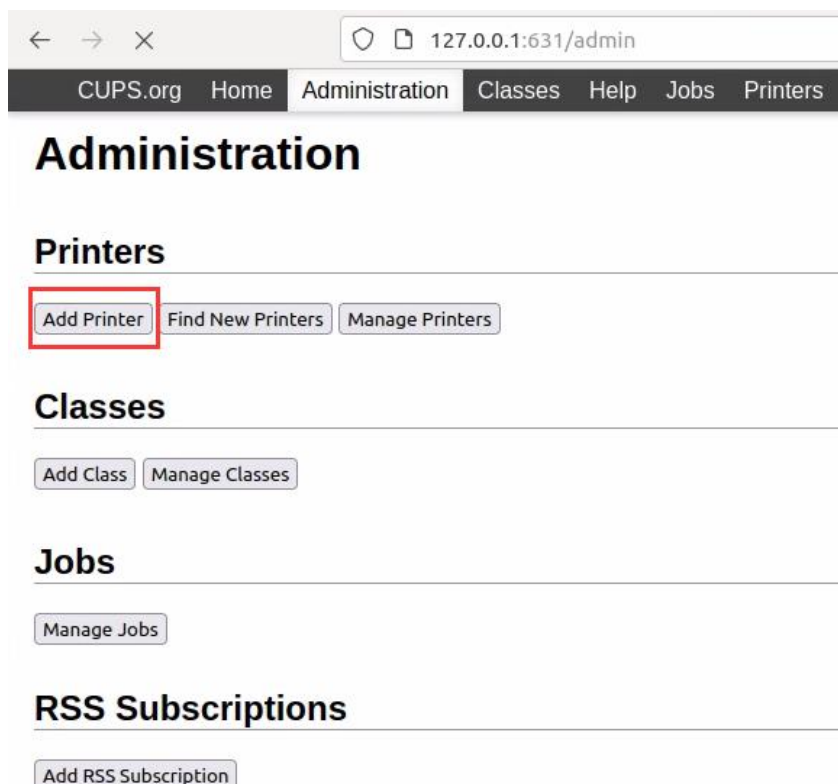
Step 7:

Click on "Administration".



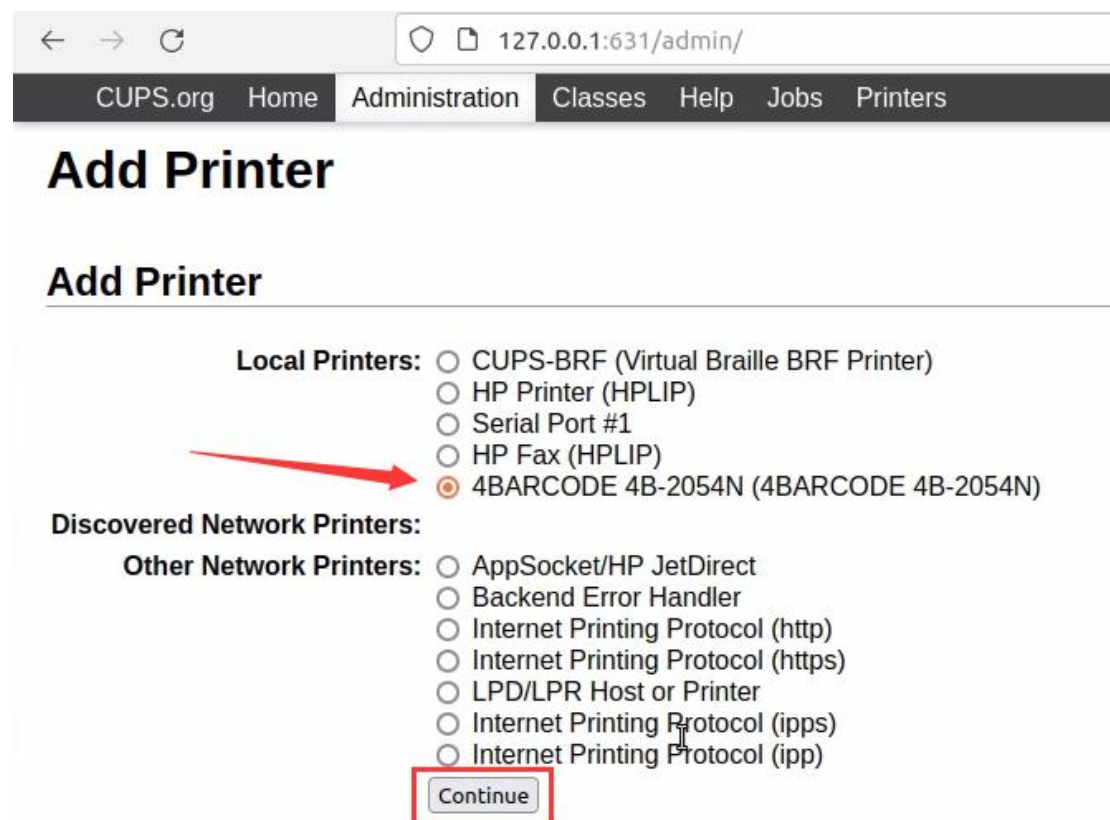
Step 8:

Click on "Add Printer".



Step 9:

If your printer is successfully connected to your computer via USB, please choose the 4BARCODE 4B-2054N interface. If there is no such interface, please check the connection of the USB cable.



← → ↻ 127.0.0.1:631/admin/

CUPS.org Home Administration Classes Help Jobs Printers

Add Printer

Add Printer

Local Printers:

- ☐ CUPS-BRF (Virtual Braille BRF Printer)
- ☐ HP Printer (HPLIP)
- ☐ Serial Port #1
- ☐ HP Fax (HPLIP)
- ☒ 4BARCODE 4B-2054N (4BARCODE 4B-2054N)

Discovered Network Printers:

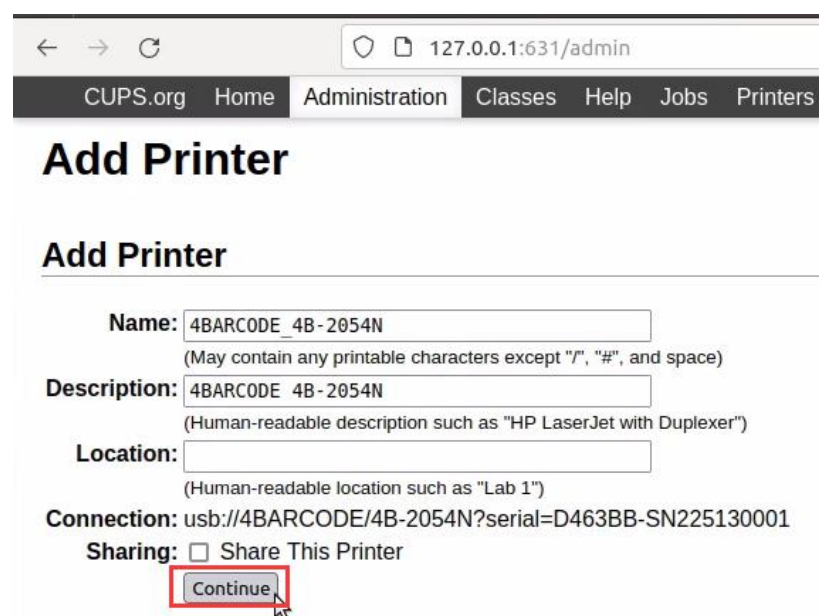
Other Network Printers:

- ☐ AppSocket/HP JetDirect
- ☐ Backend Error Handler
- ☐ Internet Printing Protocol (http)
- ☐ Internet Printing Protocol (https)
- ☐ LPD/LPR Host or Printer
- ☐ Internet Printing Protocol (ipp)
- ☐ Internet Printing Protocol (ipps)

Continue

Step 10:

After entering a name for the driver, click on “Continue”.



← → ↻ 127.0.0.1:631/admin

CUPS.org Home Administration Classes Help Jobs Printers

Add Printer

Add Printer

Name: 4BARCODE_4B-2054N
(May contain any printable characters except "/", "#", and space)

Description: 4BARCODE 4B-2054N
(Human-readable description such as "HP LaserJet with Duplexer")

Location:
(Human-readable location such as "Lab 1")

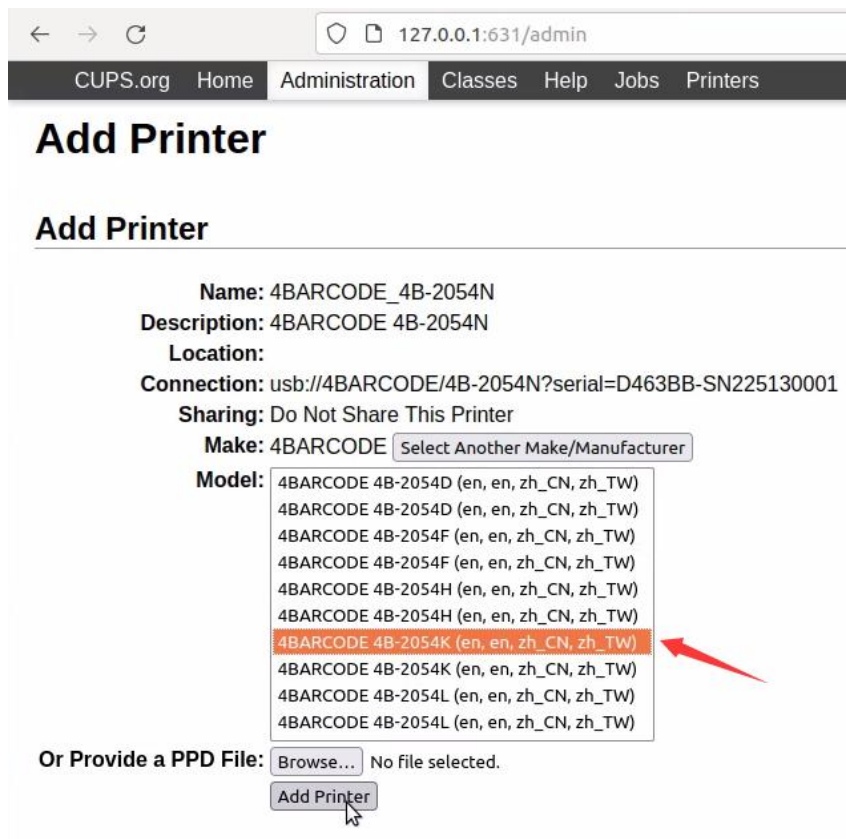
Connection: usb://4BARCODE/4B-2054N?serial=D463BB-SN225130001

Sharing: ☐ Share This Printer

Continue

Step 11:

Here you can choose the model 4BARCODE 4B-2054K. Click Add Printer.



← → ↻ 127.0.0.1:631/admin

CUPS.org Home Administration Classes Help Jobs Printers

Add Printer

Add Printer

Name: 4BARCODE_4B-2054N
Description: 4BARCODE 4B-2054N
Location:
Connection: usb://4BARCODE/4B-2054N?serial=D463BB-SN225130001
Sharing: Do Not Share This Printer
Make: 4BARCODE Select Another Make/Manufacturer
Model: 4BARCODE 4B-2054D (en, en, zh_CN, zh_TW)
4BARCODE 4B-2054D (en, en, zh_CN, zh_TW)
4BARCODE 4B-2054F (en, en, zh_CN, zh_TW)
4BARCODE 4B-2054F (en, en, zh_CN, zh_TW)
4BARCODE 4B-2054H (en, en, zh_CN, zh_TW)
4BARCODE 4B-2054H (en, en, zh_CN, zh_TW)
4BARCODE 4B-2054K (en, en, zh_CN, zh_TW)
4BARCODE 4B-2054K (en, en, zh_CN, zh_TW)
4BARCODE 4B-2054L (en, en, zh_CN, zh_TW)
4BARCODE 4B-2054L (en, en, zh_CN, zh_TW)

Or Provide a PPD File: Browse... No file selected.

Add Printer

7.2 How to set printing parameters?

Step 1:

In the following drive settings, select individual parameters to adjust.



CUPS.org Home Administration Classes Help Jobs Printers

Set Printer Options

Set Default Options for 4BARCODE_4B-2054N

[General](#) [Media Setting](#) [Effects](#) [Printer Options](#) [Graphics Format](#) [Options Installed](#) [Banners](#) [Policies](#)

General

Page Size: 2 x 4 (2.00 in x 4.00 in) ▾

Resolution: 203 dpi x 203 dpi ▾

Collate: ☒ Yes ☐ No

Set Default Options

Step 2:

Select “4x6” as the Page Size.

General

Page Size: 2 x 4 (2.00 in x 4.00 in) ▼

Resolution: Custom

Collate: 2 x 4 (2.00 in x 4.00 in)
4 x 4 (4.00 in x 4.00 in)
4 x 6 (4.00 in x 6.00 in)

Set Default

Step 3:

Open “Media Setting”. Select Type. Make sure you set the correct paper gap height.

Media Setting

Method: Use Currently Printer Setting ▼

Type: Label with Gaps ▼

GapsHeight: 0.118 in ▼

Post-Print Action: Tear Off ▼

Occurrence: After Every Page ▼

Set Default Options

Step 4:

Open Printer Options to set the speed and print density.

(Note: If the density is not set to the maximum, it may damage the printer.)

Printer Options

Print Speed: Use Currently Printer Setting ▼

Darkness: 7 ▼

Set Default Options

Other settings remain default or you can modify according to your needs.

[General](#) [Media Setting](#) [Effects](#) [Printer Options](#) [Graphics Format](#) [Options Installed](#) [Banners](#) [Policies](#)

Effects

Origin position Image: System default Up ▾

Mirror Image: ☐ Yes ☒ No

Negative Image: ☐ Yes ☒ No

Set Default Options

Banners

Starting Banner: none ▾

Ending Banner: none ▾

Set Default Options

Step 5:

Click on “Set Default Option” to save the modified parameters.

General

Page Size: 4 x 6 (4.00 in x 6.00 in) ▾

Resolution: 203 dpi x 203 dpi ▾

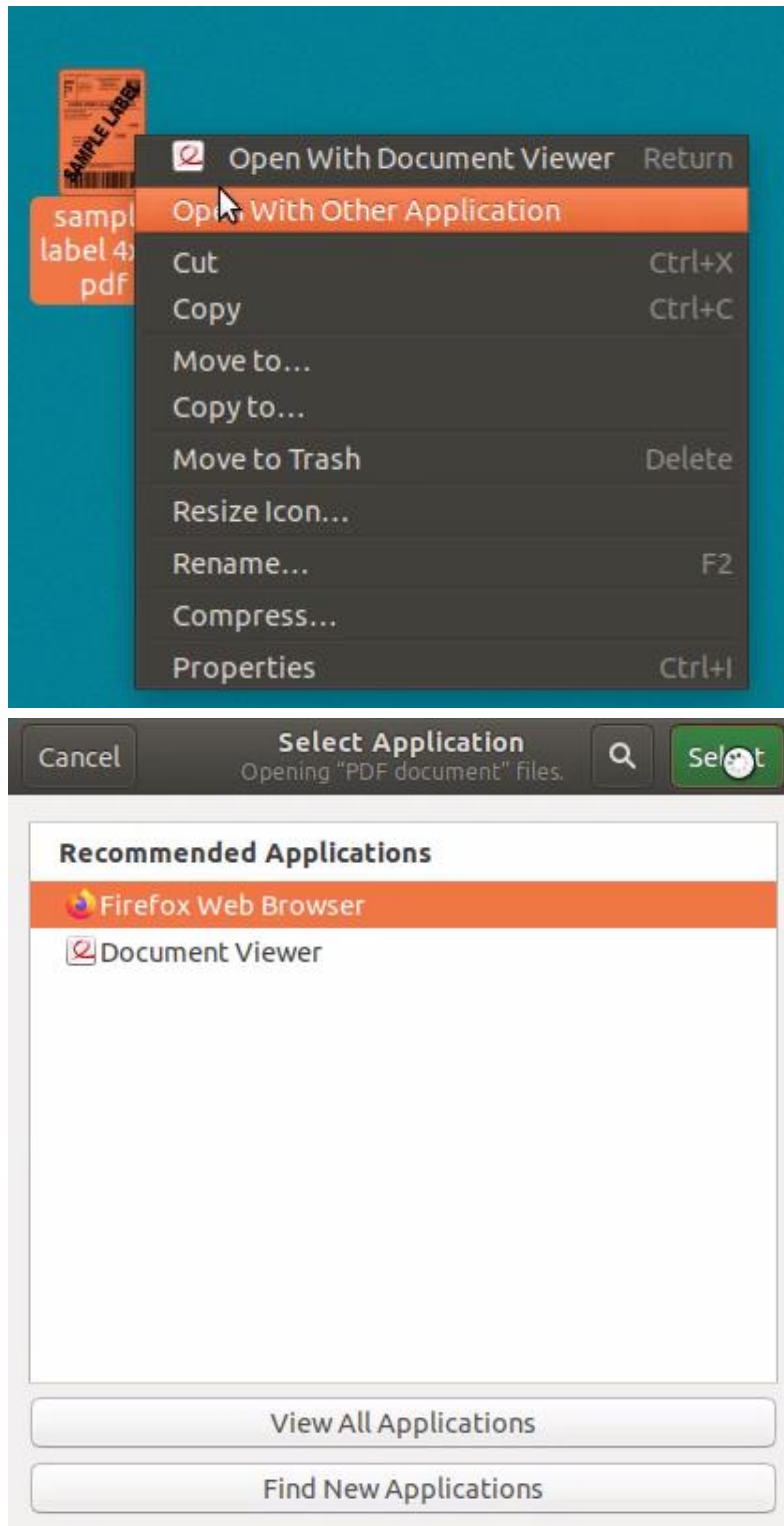
Collate: ☒ Yes ☐ No

Set Default Options

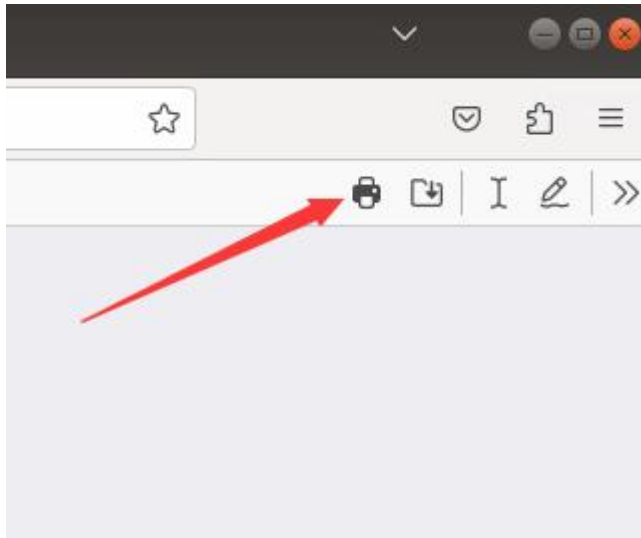
7.3 How to print the standard label?

Step 1:

Open the print test file through the browser.



Step 2:
Click Print



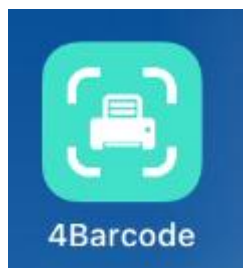
Step 3:
After selecting the installed printer, setting the print size and other parameters, click Print.



8. For iOS

8.1 How to import files from browser to APP and print?

Firstly, you should search for “4Barcode” in the Apple Store and download it.



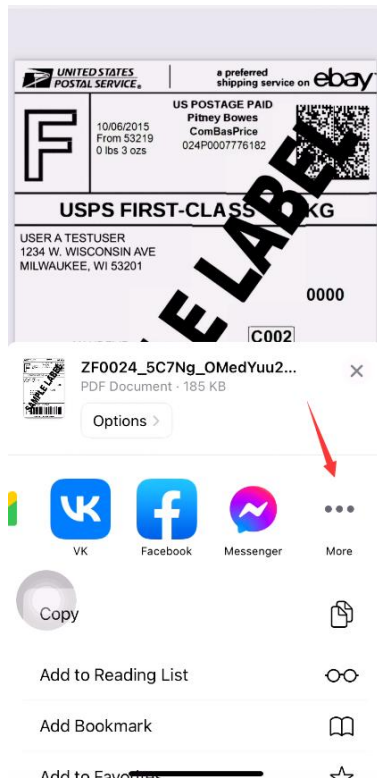
Step 1:

Open the file and click to share.



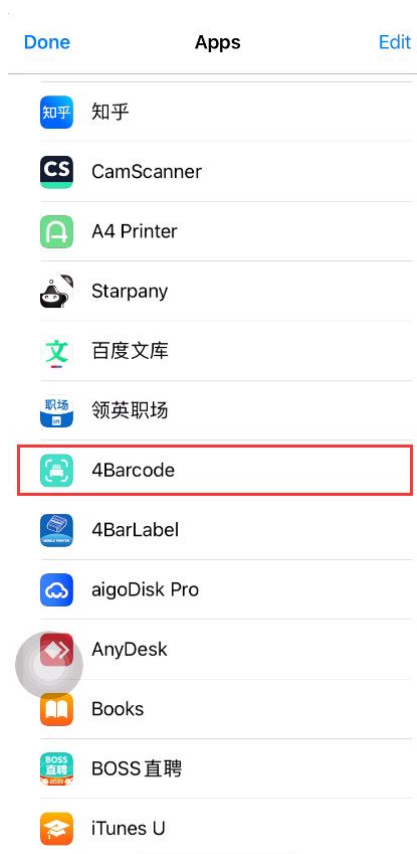
Step 2:

Click More.



Step 3:

Select 4Barcode



Step 4:

Select 4*6 express sheet or other sizes you need, and click settings.

<

PDF Print



设置纸张尺寸

4*4 inch express sheet

4*6 inch express sheet

4*8 inch express sheet

 Customize

Preview

101.6mm

152.4mm



<

1 / 1

>



Print

<

Print Setup

Label Height: 152.4

Paper Direction

↓ A

 ↓ > ↓ < ↓ A

More settings

Click to collapse ^

Page Type

Gap

Cont

Black

Gap length

2.00

—

+

Machine Type

Label

Receipt


Print Mode


TSC command

ZPL command

Preview

101.6mm

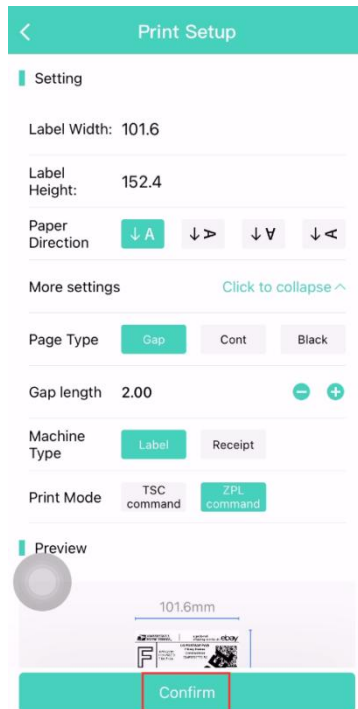
152.4mm



Confirm

Step 5:

Set the printing orientation, paper mode, etc. according to your needs.
(Note: If you choose the ZPL command mode, the response speed of task transmission will be faster.)



The 'Print Setup' screen has a teal header with a back arrow and the title 'Print Setup'. Below is a 'Setting' section with 'Label Width: 101.6' and 'Label Height: 152.4'. The 'Paper Direction' section shows four icons: a teal one with 'A' and a downward arrow, and three grey ones with different arrow combinations. Below is a 'More settings' section with a 'Click to collapse ^' link. The 'Page Type' section has three buttons: 'Gap' (teal), 'Cont', and 'Black'. The 'Gap length' is set to '2.00' with minus and plus icons. The 'Machine Type' section has 'Label' (teal) and 'Receipt' buttons. The 'Print Mode' section has 'TSC command' and 'ZPL command' (teal) buttons. A 'Preview' section shows a label with dimensions '101.6mm' and '152.4mm'. At the bottom is a teal 'Confirm' button with a red border.

Step 6:

Click Print

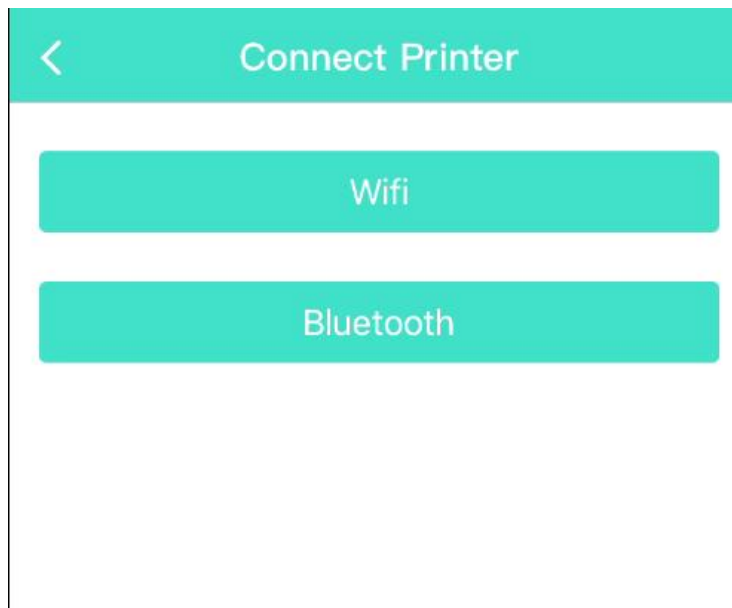


The 'PDF Print' screen has a teal header with a back arrow, the title 'PDF Print', and a settings icon. Below is a '设置纸张尺寸' (Set Paper Size) section with four options: '4*4 inch express sheet', '4*6 inch express sheet', '4*8 inch express sheet', and a 'Customize' button with a plus icon. Below is a 'Preview' section showing a label with dimensions '101.6mm' and '152.4mm'. The label contains text including 'USPS FIRST-CLASS', 'SAMPLE LABEL', and a barcode. At the bottom are navigation icons: a circular icon, left and right arrows, and '1/1'. A teal 'Print' button with a red border is at the bottom.

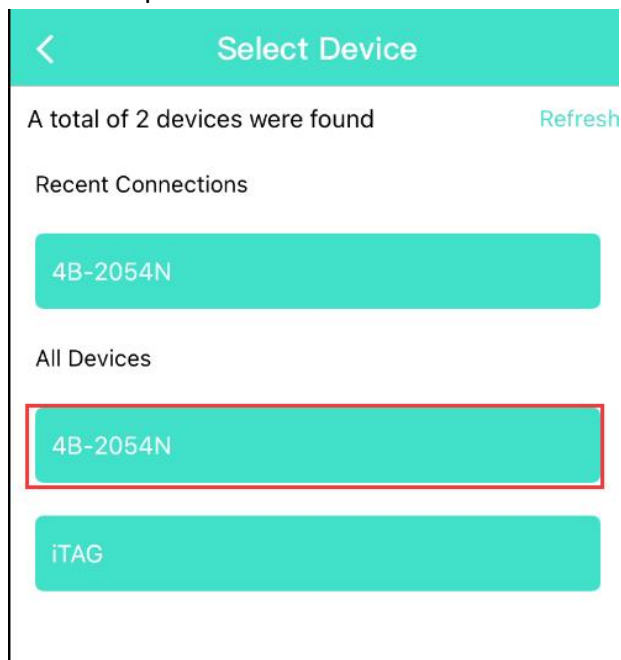
Step 7:

Select Bluetooth connect.

(Note: Your printer interface is USB+Bluetooth, so only Bluetooth connection can be selected in the APP.)

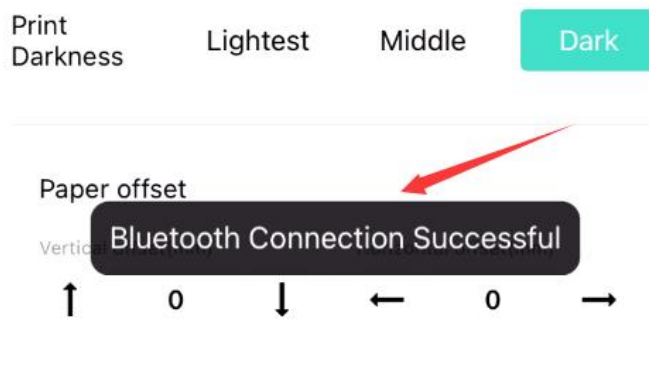
**Step 8:**

Select the printer bluetooth name "4B-2504N".



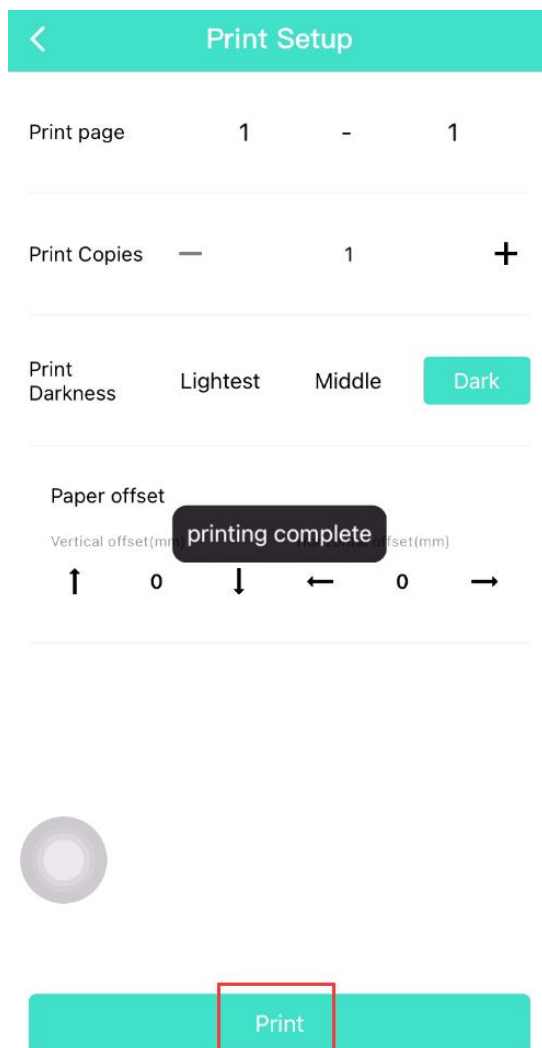
Step 9:

There will be this prompt after the printer is successfully connected, if not, please try to reconnect.



Step 10:

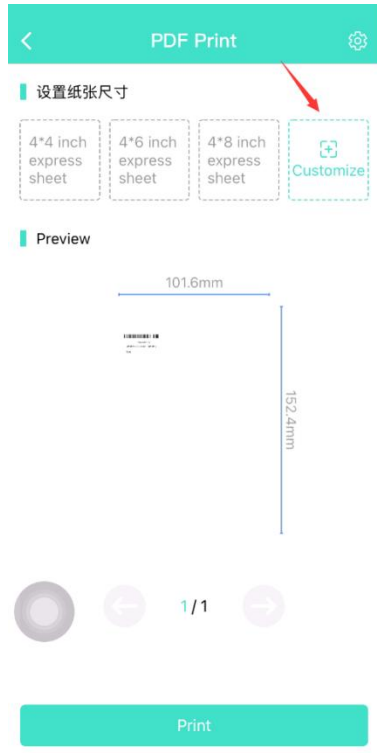
Click Print



8.2 How to crop a PDF and print it?

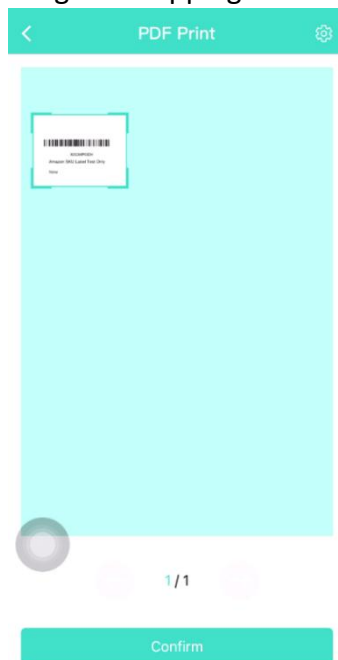
Step 1:

Select Customize



Step 2:

Drag the cropping frame. Crop the printed content appropriately.



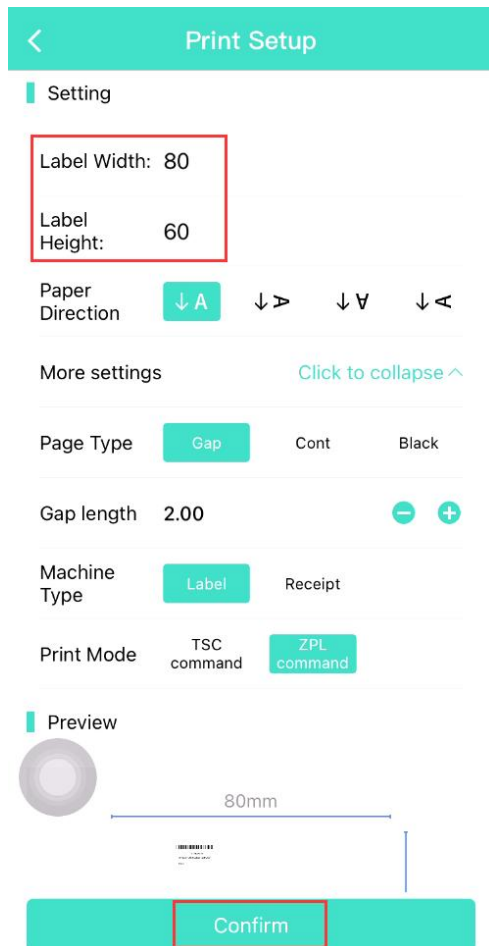
Step 3:

Click settings.



Step 4:

Set the paper size and other parameters. Click Confirm.



Step 5:
Click Print

<

Print Setup

Print page

1

-

1

Print Copies

—

1

+

Print Darkness

Lightest

Middle

Dark

Paper offset

Vertical offset(mm)

↑

0


↓

Horizontal offset(mm)

←

0

→



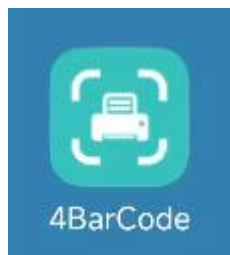
Print

9. For Android

9.1 How to import files from browser to APP and print PDF?

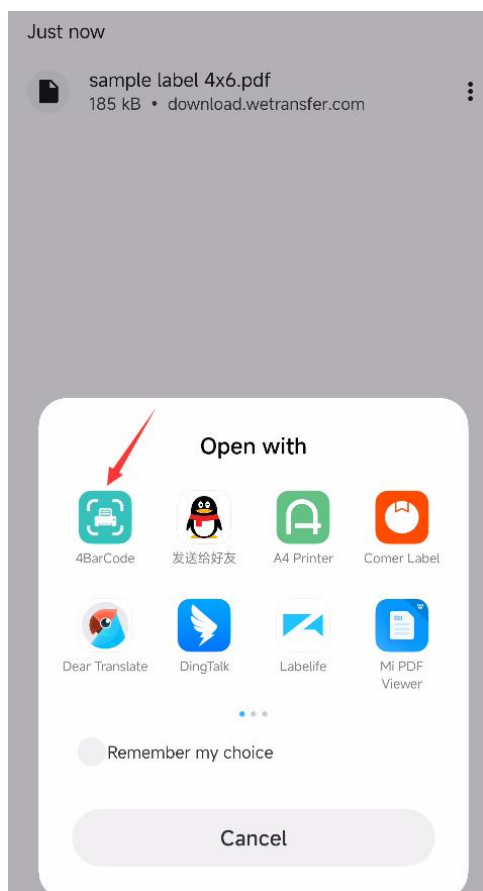
Step 1:

Download “4BarCode” in the Google Play.



Step 2:

After downloading the PDF file in your browser, click the More app to open it. Select 4Barode.



Step 3:

Select 4*6 express sheet and click settings.



Step 4:

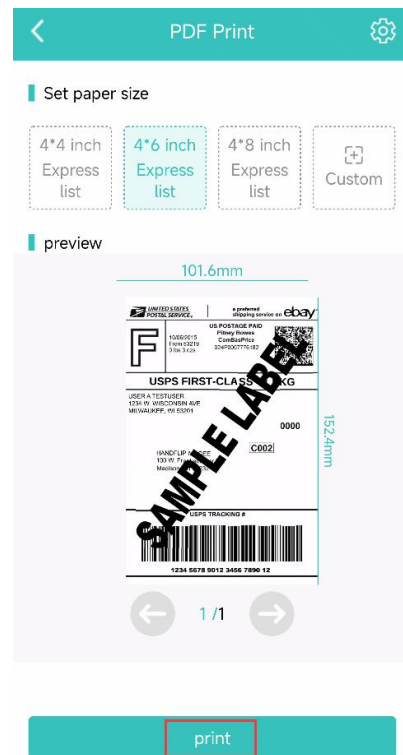
Set the printing orientation, paper mode, etc. according to your needs.

(Note: If you choose the ZPL command mode, the response speed of task transmission will be faster.)



Step 5:

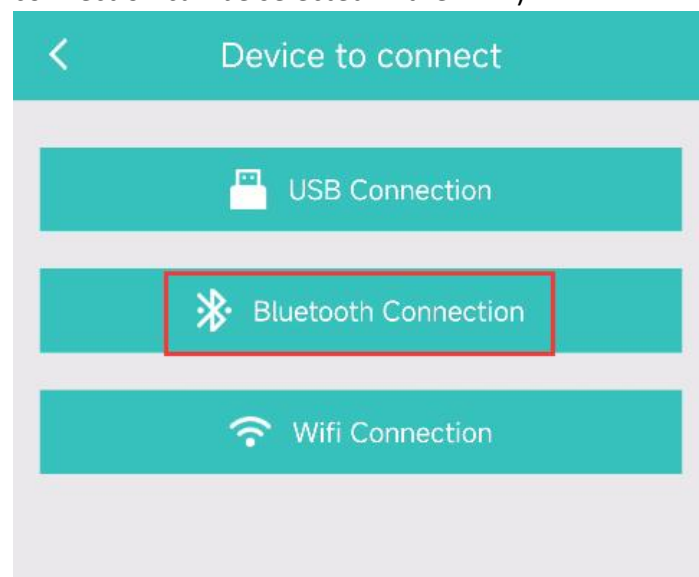
Click Print.



Step 6:

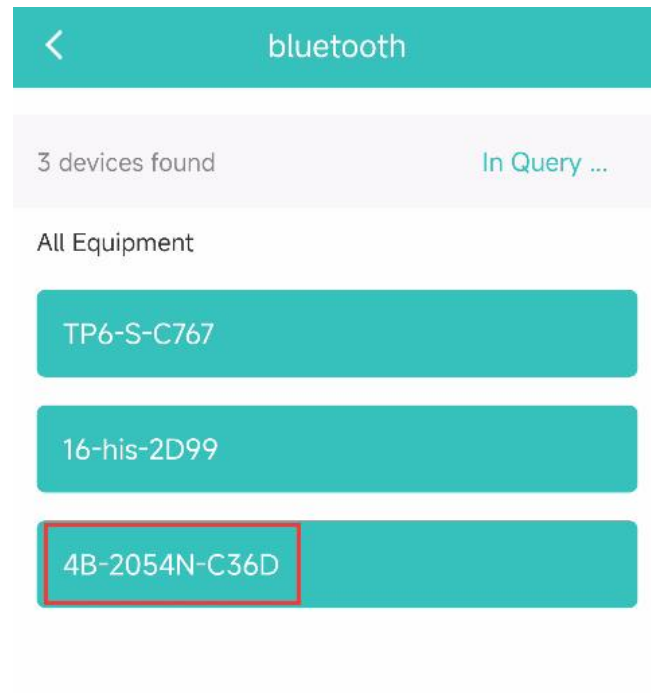
Select Bluetooth connect.

(Note: Your printer interface is USB+Bluetooth, so only Bluetooth and USB connection can be selected in the APP.)

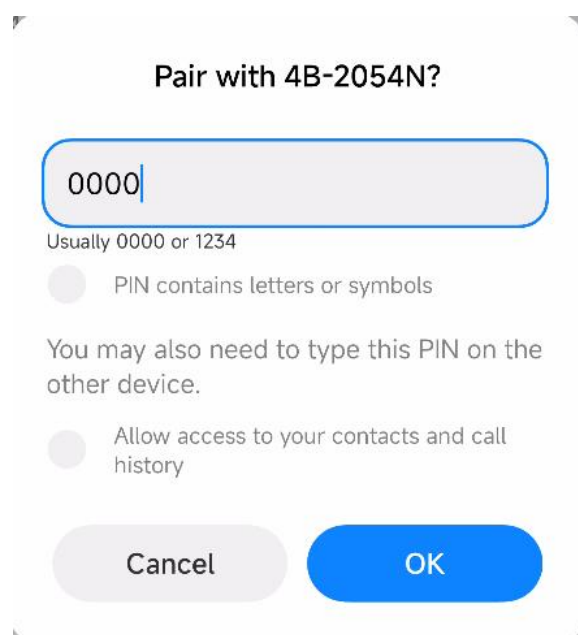


Step 7:

Select the printer bluetooth name "4B-2504N".

**Step 8:**

Enter the password 0000 to connect to Bluetooth, and then Click OK.



Step 9:

There will be this prompt after the printer is successfully connected, if not, please try to reconnect.

**Step 11:**

Click Confirm Print

Print Setup

Print page 1 - 1

Number of copies: 1

printing density

Thin

Medium

Dense

Paper Offset

Vertical offset

Horizontal offset

-

0

+

-

0

+

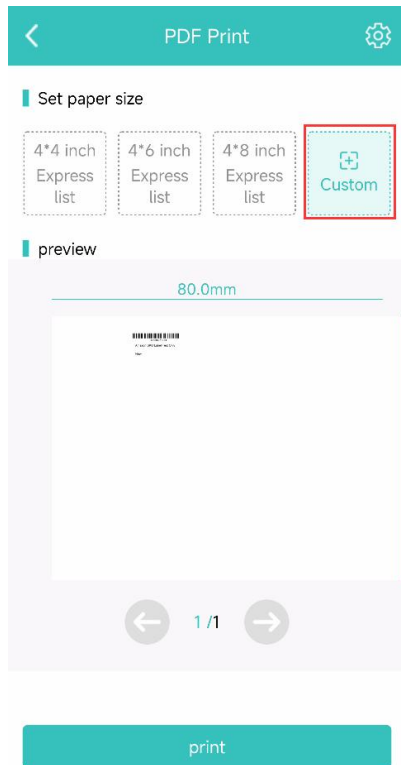
Confirm Print

The printing finished

9.2 How to crop a PDF and print it?

Step 1:

Select Customize.



Step 2:

Drag the cropping frame, and crop the printed content appropriately. Click settings.



Step 3:

Set the paper size and other parameters. Click Confirm

Print Setup

Settings

label width 80.0
label height 60.0

print direction **↓ A** ↓ ▸ ↓ ▴ ↓ ▾

More settings [Click to expand](#)

label gap 2.0 **-** **+**

paper type **Gap** Cont Black

Machine Type **Label** Receipt

Print Mode TSC command **ZPL command**

preview

80.0mm

Confirm

Step 4:

Click Confirm Print

Print Setup

Print page 1 - 1

Number of copies: 1

printing density Thin **Medium** Dense

Paper Offset

Vertical offset Horizontal offset

- **0** **+** **-** **0** **+**

Confirm Print

10. For ChromeOS

10.1 How to install printer driver on chromebook?

Step 1:

Connect your printer to your computer using a USB cable and turn it on. Make sure the paper is loaded correctly and the printer indicator light is blue, indicating it is working properly.

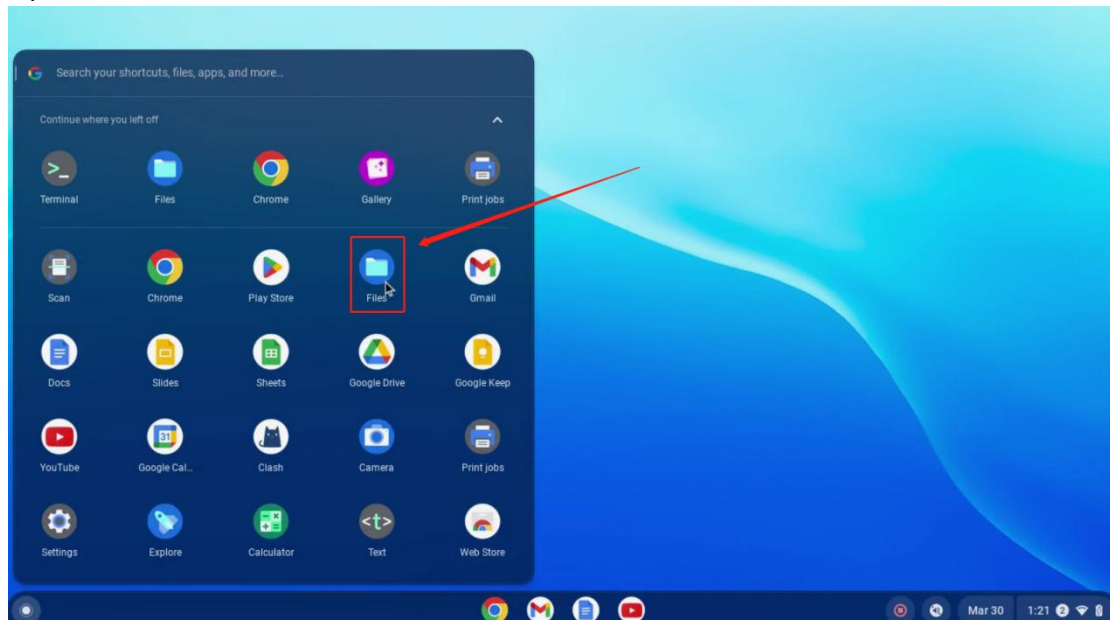
Step 2:

Insert the USB stick that came with your printer into your Chromebook..



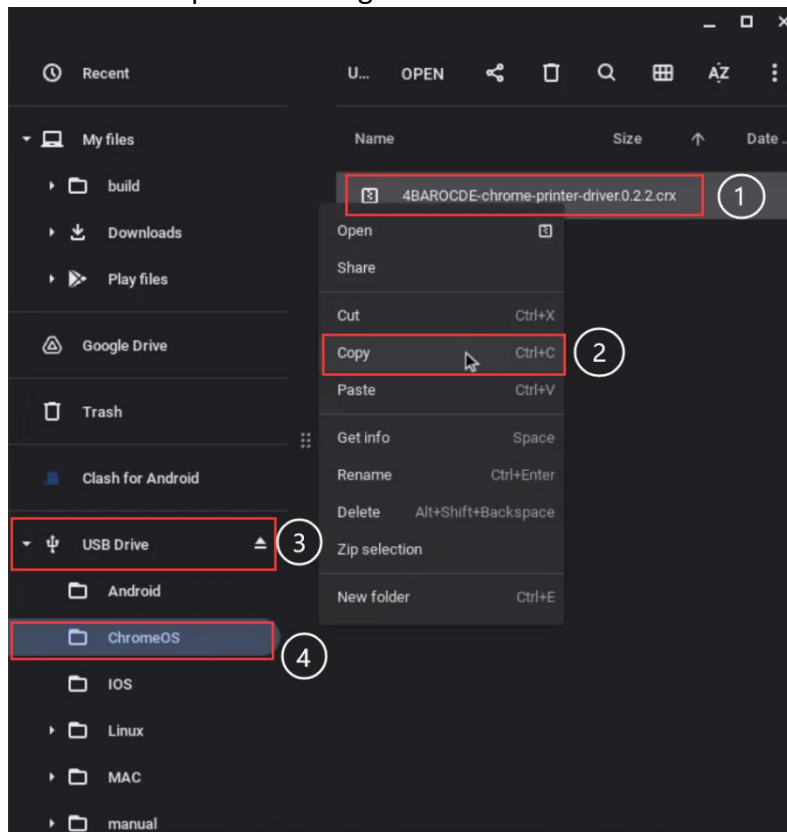
Step 3:

Open “Files”



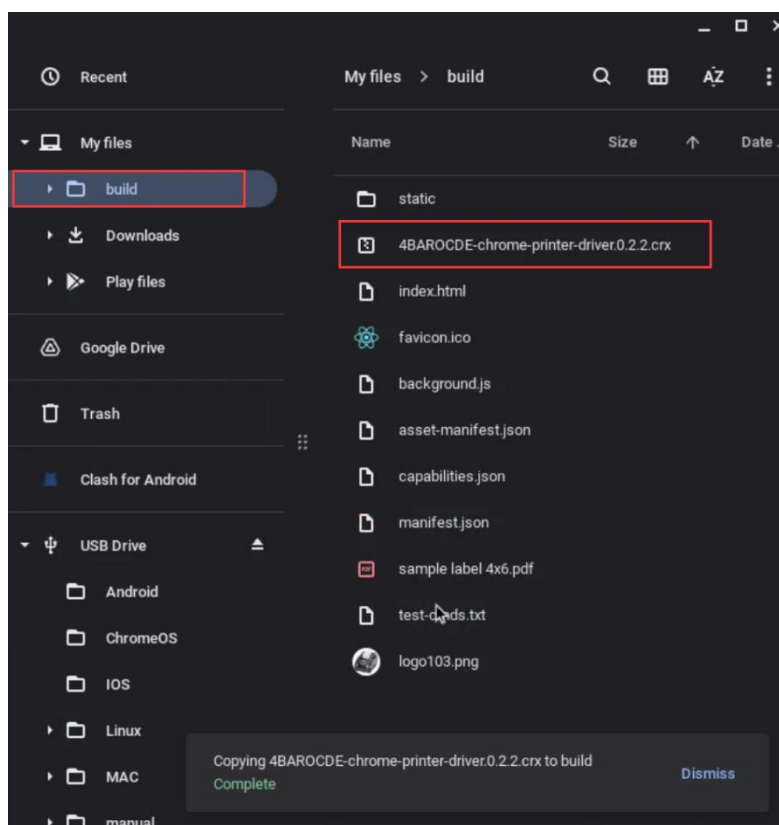
Step 4:

Follow the steps in the image to locate the ChromeOS driver plugin.



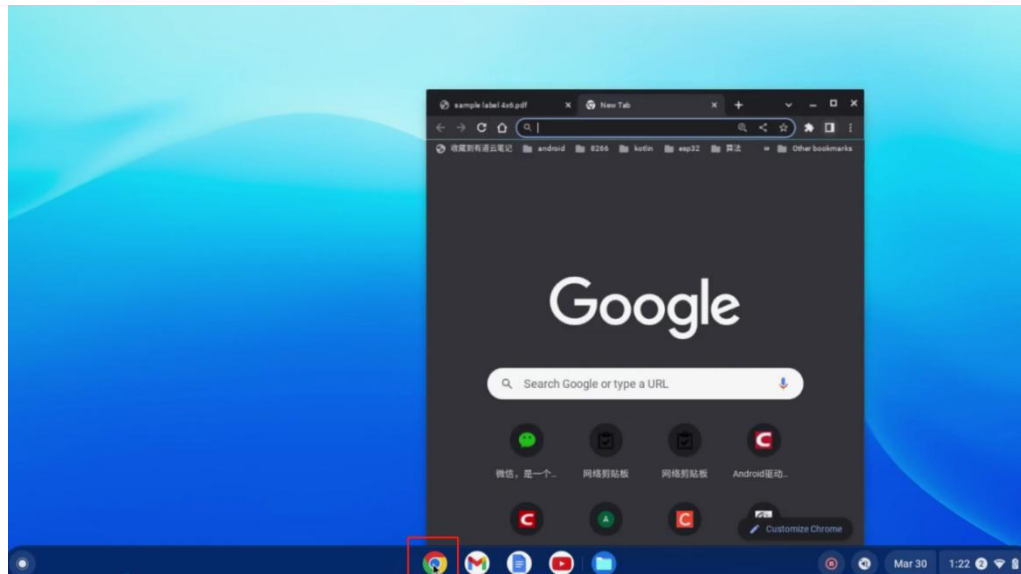
Step 5:

Save the file to a local folder.



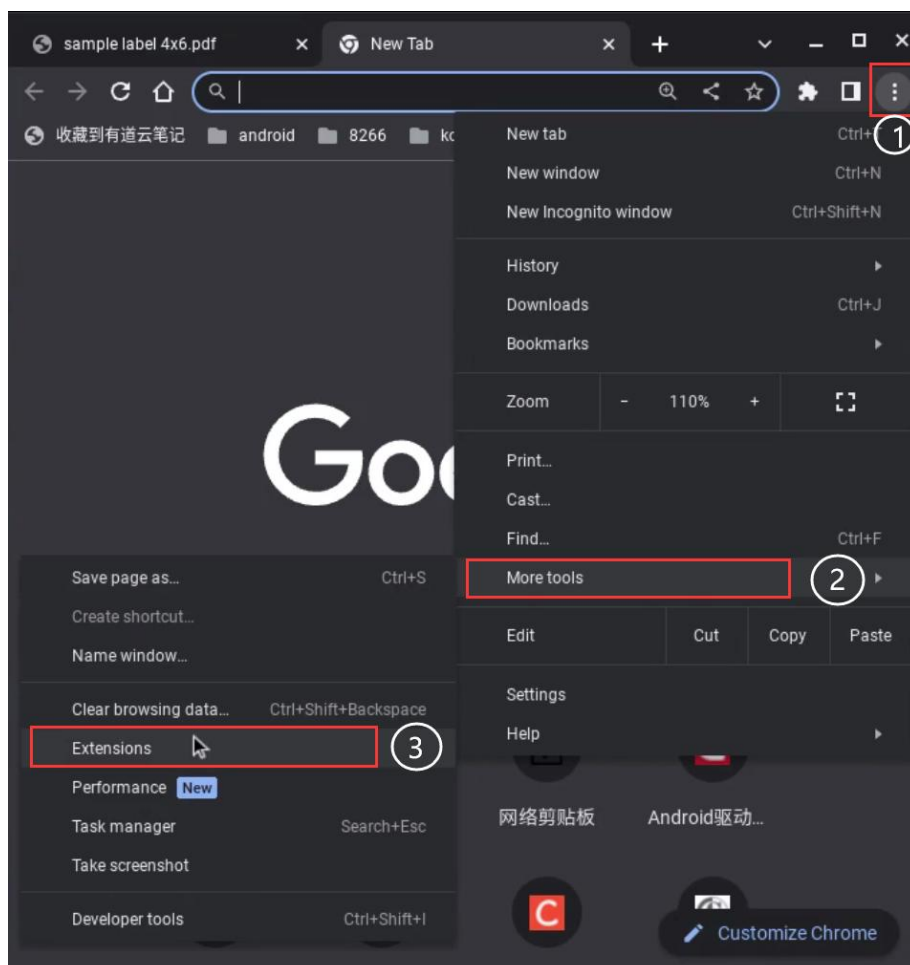
Step 6:

Open Google Chrome.



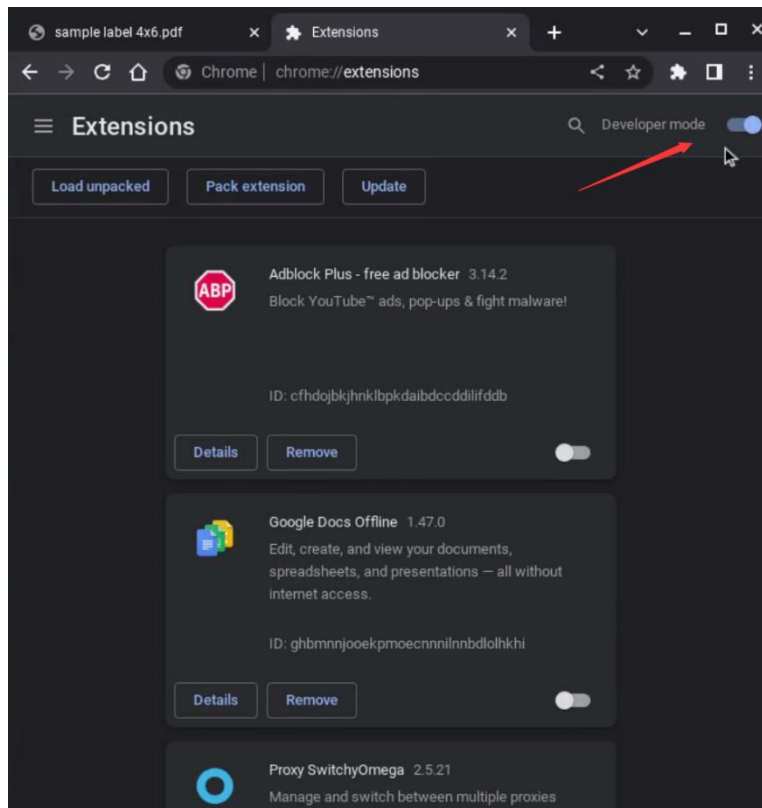
Step 7:

To display all installed extensions, click the "Customize and control Google Chrome (Settings)" icon in the upper right corner of the Chrome browser, then click "Extensions" under "More tools".



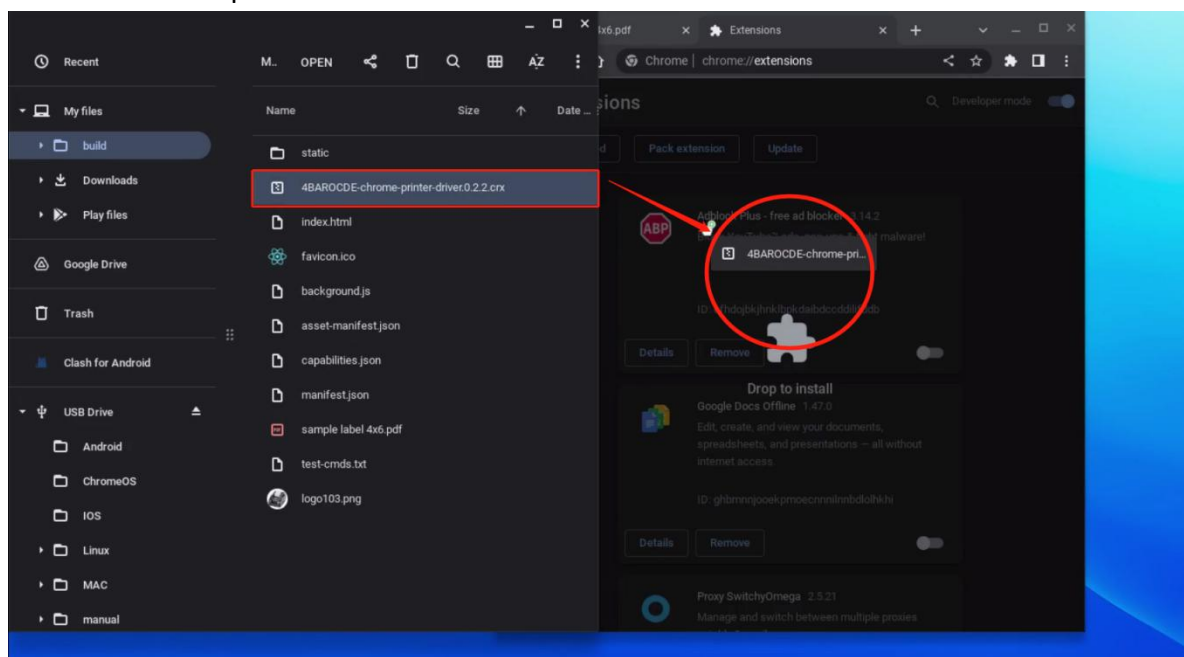
Step 8:

Open the "Developer mode" button in the upper right corner. Developer mode must be enabled in order to perform a normal installation.



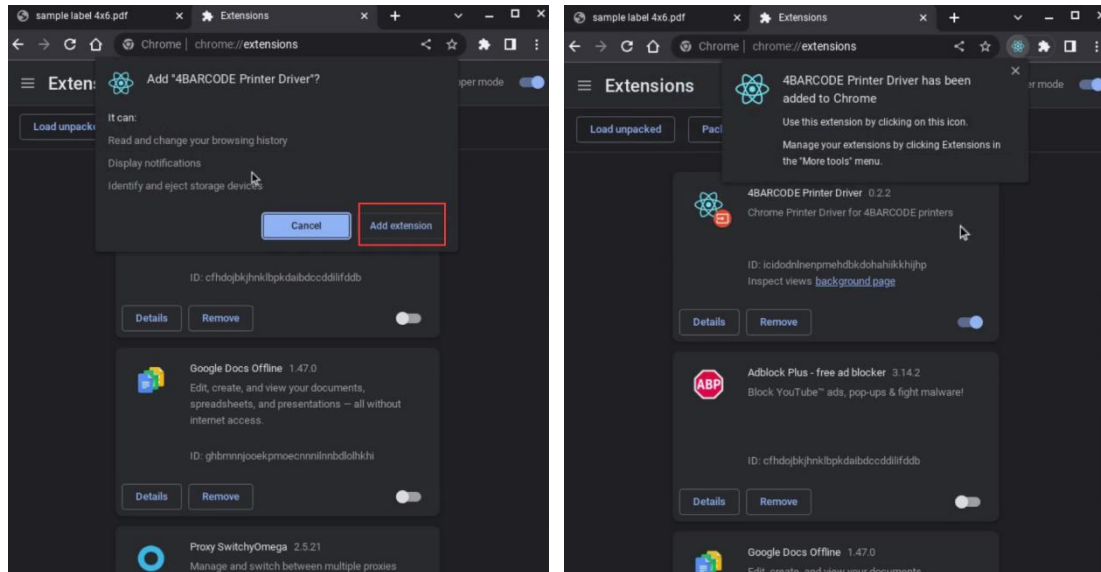
Step 9:

Open two Chrome windows. In one window, open the local file page. In the other window, open the extensions page. Drag the driver file to the extensions page. After the drag-and-drop operation is complete, click "Add extension" in the pop-up window at the top.



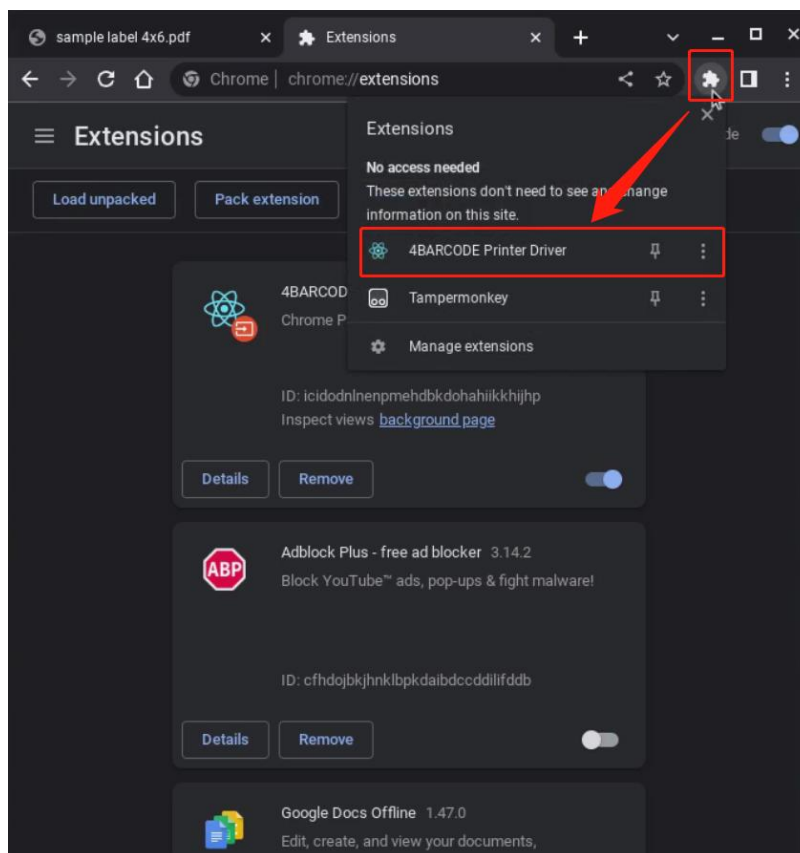
Step 10:

After installation is complete, the following page information will be displayed.



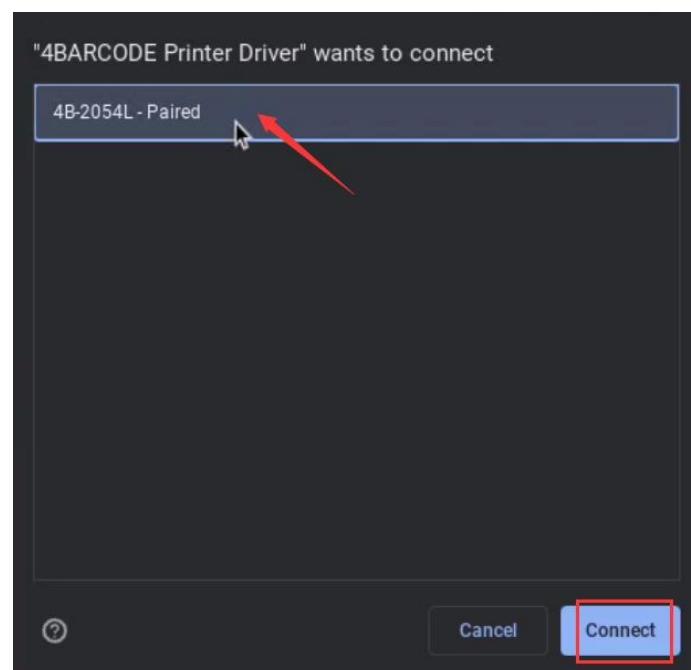
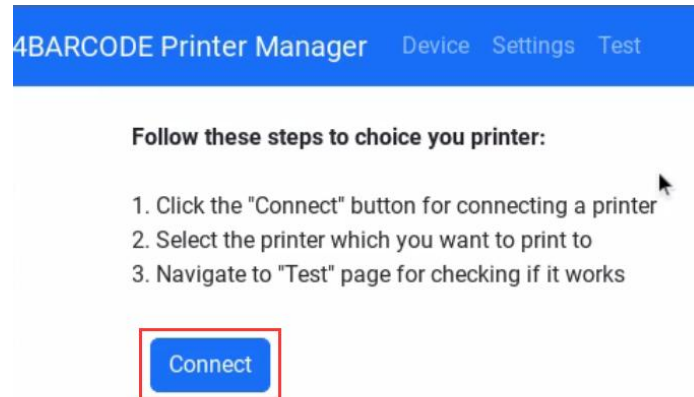
Step 11:

In the Chrome browser, click on the "Extensions" icon in the upper right corner, select the installed print plugin, and go to the printer management page.



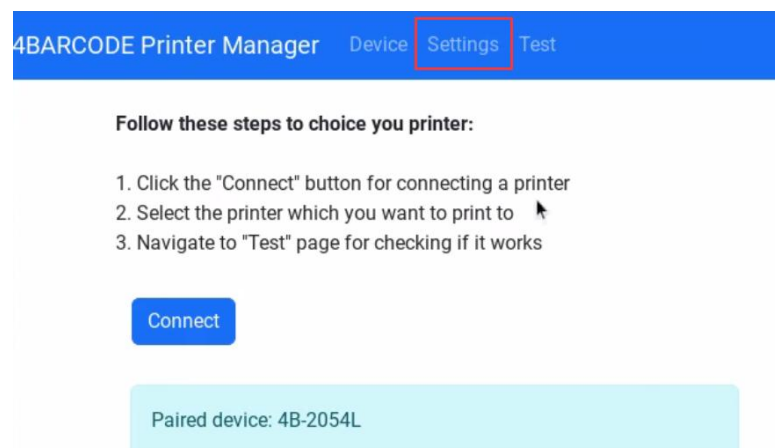
Step 12:

Click Connect. Select the printer and the connection will be successful.



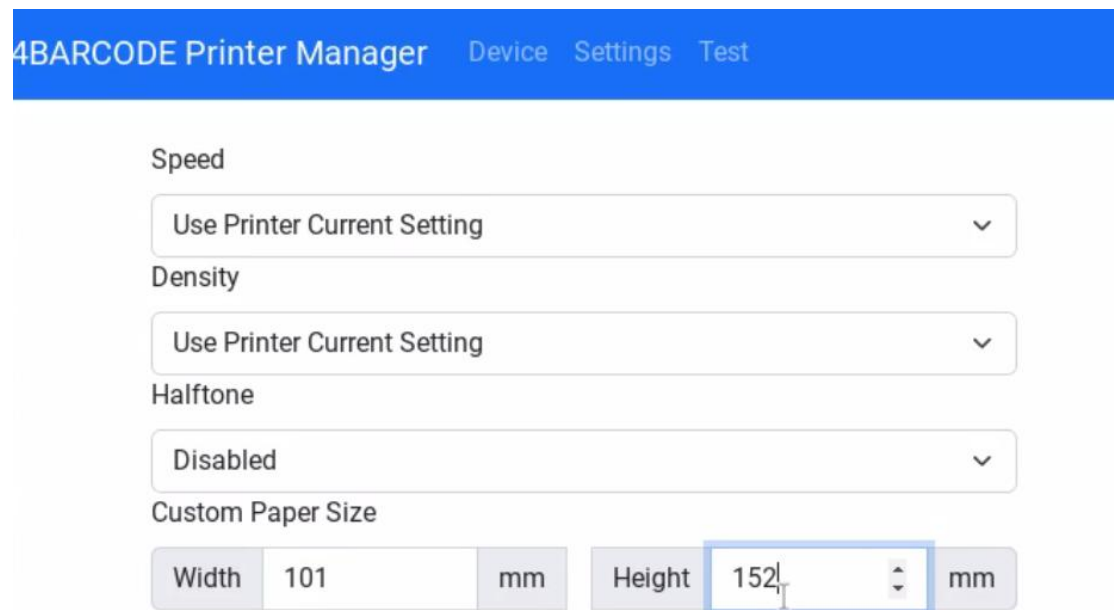
Step 13:

Click Setting.



Step 14:

Open the settings page to set printer parameters such as print speed, print density, halftone, and custom paper size.



4Barcode Printer Manager Device Settings Test

Speed
Use Printer Current Setting

Density
Use Printer Current Setting

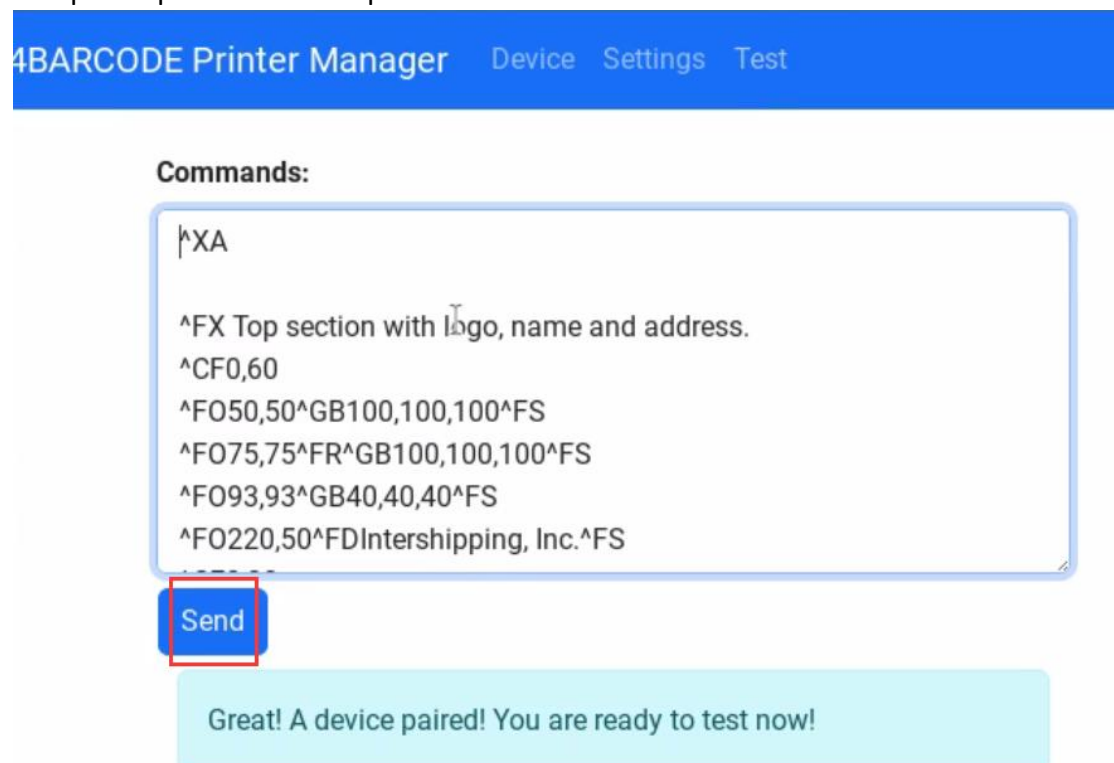
Halftone
Disabled

Custom Paper Size

Width	101	mm	Height	152	mm
-------	-----	----	--------	-----	----

Step 15:

Click on "Test" to open the test page. Click the blue "Send" button below to initiate a test print operation on the printer.



4Barcode Printer Manager Device Settings Test

Commands:

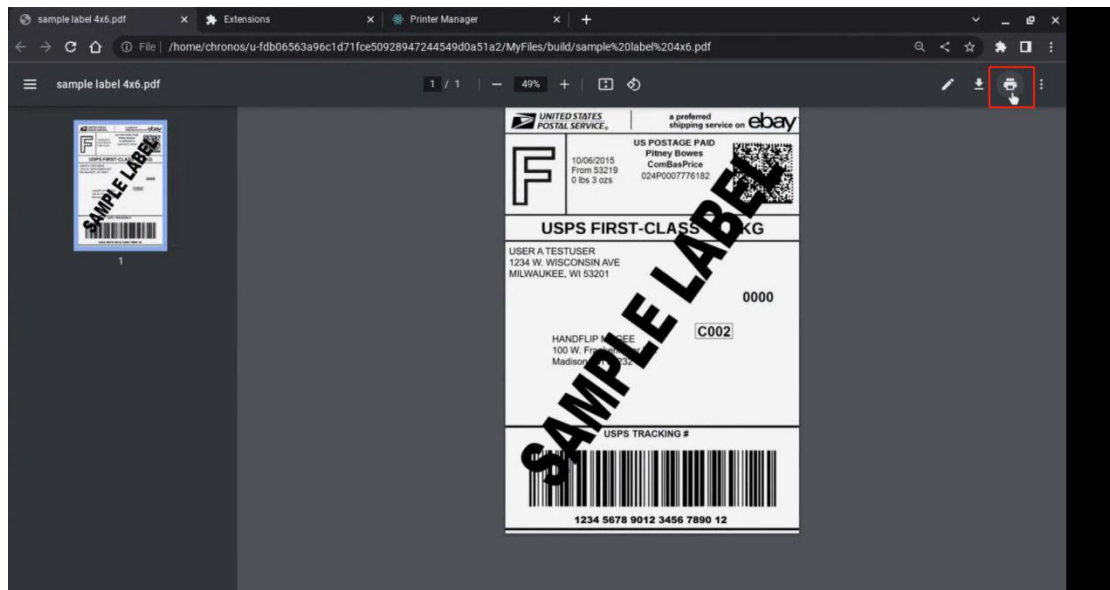
```
^XA  
  
^FX Top section with logo, name and address.  
^CF0,60  
^F050,50^GB100,100,100^FS  
^F075,75^FR^GB100,100,100^FS  
^F093,93^GB40,40,40^FS  
^F0220,50^FDIntershipping, Inc.^FS
```

Send

Great! A device paired! You are ready to test now!

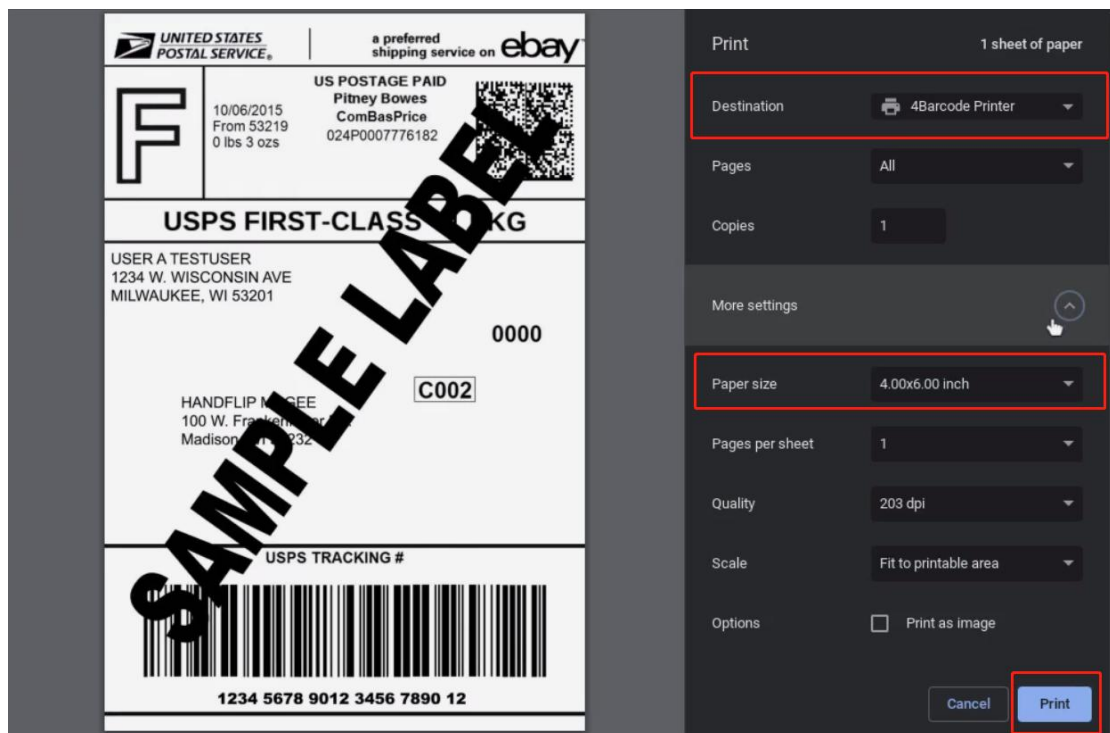
Step 16:

Open the PDF file page and click the Print button.



Step 17:

Select the printer and choose the appropriate print size. Then click "Print".



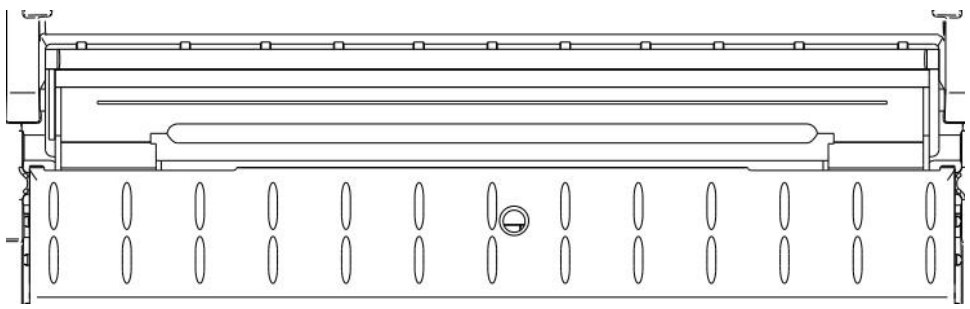
11. Simple Maintenance Procedures of the Printer

To keep your printer in top condition and ensure high-quality prints, follow these simple maintenance procedures:

1. Use the following tools to clean and maintain your printer:

- Cotton swabs
- Cotton cloth
- Vacuum cleaner or air brush
- Medical alcohol

2. Cleaning steps:

Item	Steps	Recommended frequency
Print head	<ol style="list-style-type: none"> 1. Turn off the printer 2. Allow the print head to cool for at least one minute 3. Wipe the print head surface with a cotton swab dipped in medical alcohol 	When installing a new roll of label paper
		
Rubber roller	<ol style="list-style-type: none"> 1. Turn off the printer 2. While rotating the rubber roller, carefully wipe it with a cotton cloth or cotton swab dipped in medical alcohol 	When installing a new roll of label paper
Paper tearing-off piece Paper stripping piece	Wipe it with a cotton cloth dipped in medical alcohol	When needed
Sensor	Remove dust from the sensor with an air brush or vacuum cleaner	Monthly
Outside of the machine	Wipe it with a wet cotton cloth	When needed
Inside of the machine	Remove dust from inside of the machine with an air brush or vacuum cleaner	When needed

Note:

- Be careful not to touch the print head directly with your hands. If you accidentally touch it, use a cotton swab dipped in medical alcohol to clean it.
- Only use medical alcohol to clean the print head. Industrial alcohol can cause damage.
- If you're seeing error messages frequently, make sure to clean the printer sensor regularly.
- Our printer is safe to use in tropical climates.
- Please note that this is a Class A product, which may cause radio interference in living environments. If this happens, take practical measures accordingly.