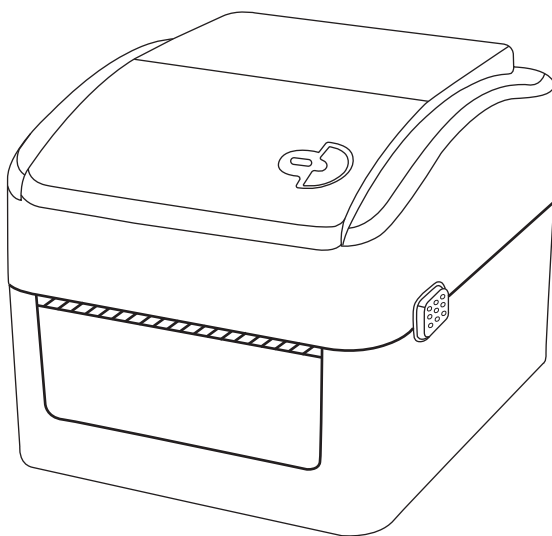


# Thermal Barcode Printer

# vretti

## User Manual

THERMAL BARCODE PRINTER



PROFICIENT IN COMMERCIAL POS BARCODE PRINTERS

● Please keep the user's manual in reference

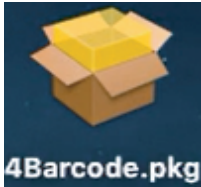
# User Manual

D4602B Installation Guide  
Printer Model:4BARCODE 4B-2054M

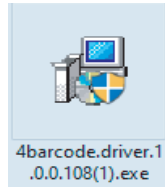
1.Tech Support .....	2
2.Printer Overview.....	3
3.Package List .....	3
4.Lading The Label .....	4
5.Download the Driver .....	5
6.Driver Installation for window .....	5
7.Driver Installation for Mac.....	6-7
8.Browser Printing for window .....	8
8.1 Firefox Browser .....	8-9
9.Browser Printing for Mac .....	9
9.1 Safai Browser.....	9-10
9.2 Google Chrome Browser.....	11
10.Introduction of Button Function .....	11
11.Print Selftest Page.....	11
12.Introduction of LED Status .....	12
13.Specifications .....	12
14.Troubleshooting .....	12-13

# Tech Support

>Please run the downloaded software and follow the hints to complete the installation.



( Mac Driver Installer )



( Windows Driver Installer )

## Notes:

1. Before installation, please ensure the printer is connected and turned on.
2. When you change the label size, please re-calibrate the label and set the label size in the driver settings.

If you have any question with vretti product, please contact us:

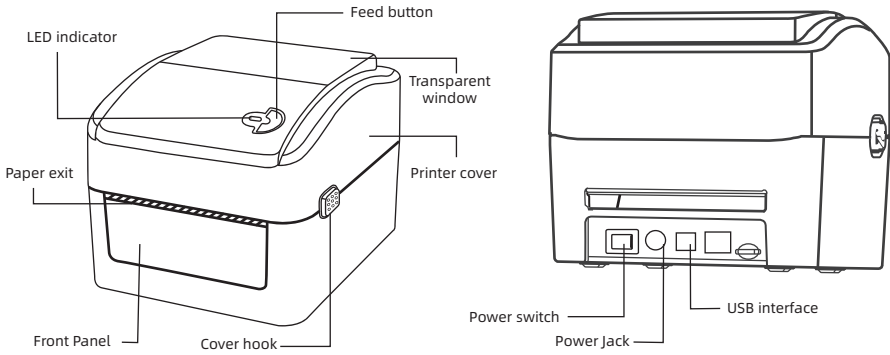
- \* **Email:** support@vretti.net
- \* **Whatsapp:** +86 185 7560 0463
- \* **Website:** 6printer.com
- \* **Facebook:** vretti printer
- \* **Youtube:** @vretti
- \* **Instagram:** @vretti.official
- \* **Driver Download:** <https://www.6printer.com/pages/copy-of-manuals-drivers>

**vretti US Service Time: Mon-Fri 5PM to 2AM (Pacific Time)**

**vretti UK Service Time: Mon-Fri 1AM to 10AM**

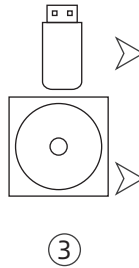
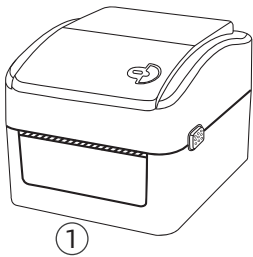
# Quick Installation Guide

## Printer Overview

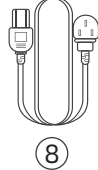
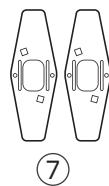
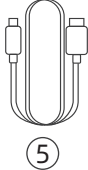
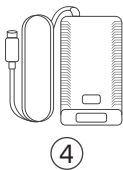


**Note:** The interface picture in the quick start guide is for reference only. Please refer to the product specification for the interfaces availability.

## Package List



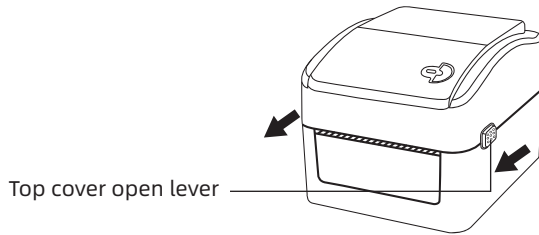
- 1.Windows/Mac Driver
- 2.Quick start guide
- 3.Video tutorial
4. Windows diagnostic tool



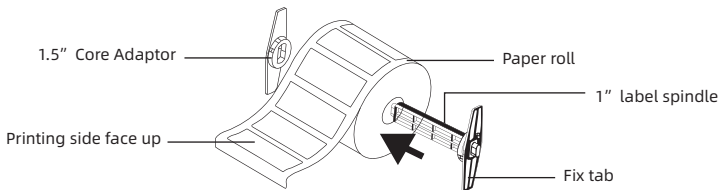
- ①1x vretti 420B Thermal Label Printer    ②1x User manual  
③1x CD 、 U disk    ④1x Power Adapter  
⑤1x USB cable (Connect the printer to your computer or laptop)  
⑥1x Paper roll    ⑦2 x Fix tab    ⑧1x Power Plug

## Loading The Label

1. Open the printer top cover by pushing forward the top cover open levers.



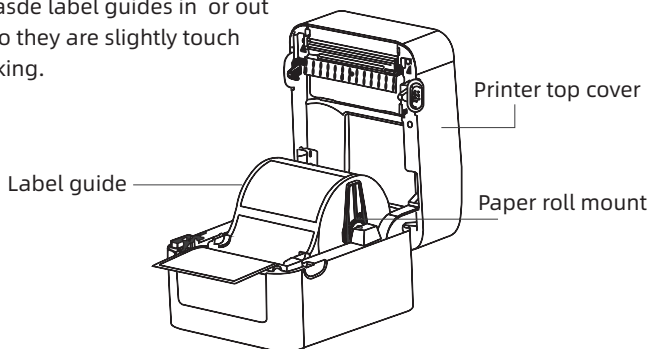
2. Insert a 1" label spindle into a paper roll(\* If your paper core is 1"inch, remove the 1.5" core adaptor from the fixed tab,use the label spindle directly).



3. Orient a roll of paper on the paper roll mount.

4. Feed the paper, printing side face up, through the label guide and pass over the platen.

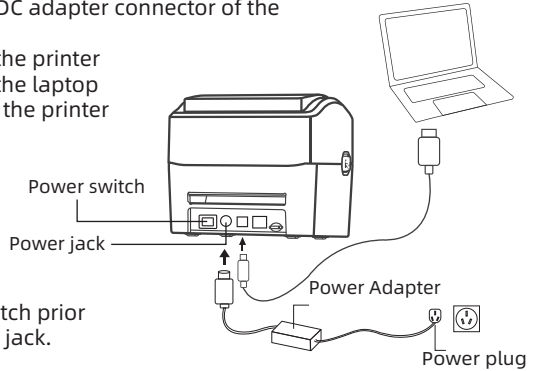
5. Adjust the black center-biasde label guides in or out turning adjustment knob so they are slightly touch the edges of the label backing.



# Printer Installation

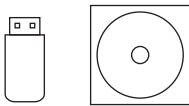
1. Before installation, please ensure the printer is connected and turned on.

- ① Attach to the power cord to the adapter
- ② Plug the adapter cable into the circular DC adapter connector of the printer
- ③ Plug the USB cable into the USB port of the printer
- ④ Plug the USB cable into the USB port of the laptop
- ⑤ Plug the power cord into the socket and the printer is turned on. (I: ON, O: OFF)
- ⑥ When connected, the printer displays blue and is in standby mode

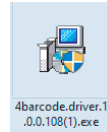


**Note:** Please switch OFF printer power switch prior to plug in the power cord to printer power jack.

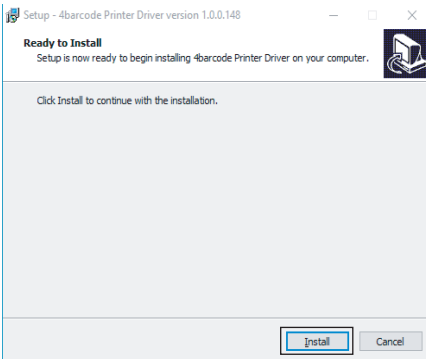
## Driver Installation For Windows



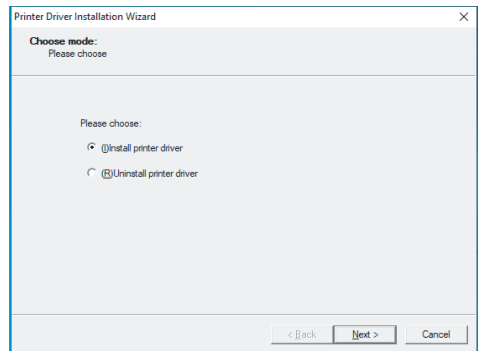
**Step 1:** ① You can get the driver on CD or USB stick  
② Go to the 6printer.com to get driver



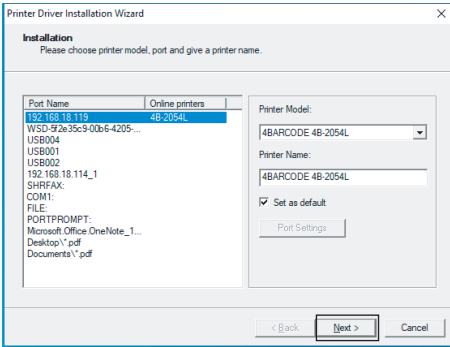
**Step 2:** double click .exe icon.



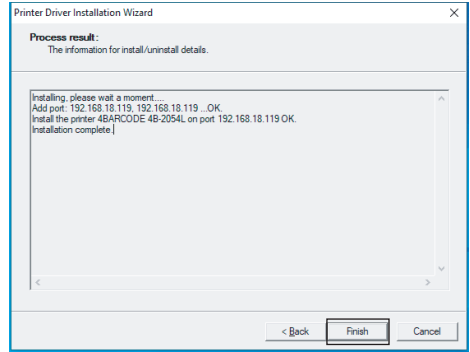
△ **Step 3:** click install button.



△ **Step 4:** click Next button.



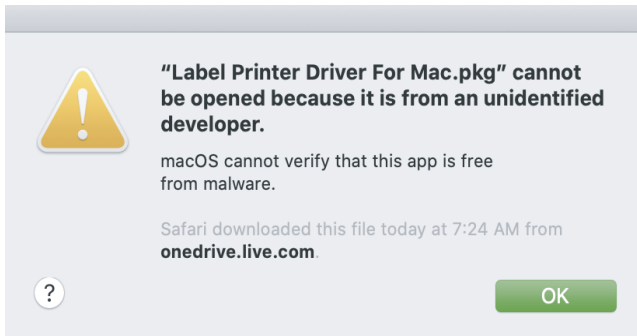
△ **Step 5:** Choose model 4B-2054L and click Next button.




△ **Step 6:** click finish button. By default, 4" x 6" inches label is created.

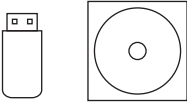
## Driver Installation For Mac

- (1) Click on the "pkg" installer to begin.
- (2) If the driver can not be opened, please give permission to it first. Click "OK" and follow the steps below to allow the macOS system to process the installation.



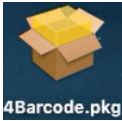
(3) Click "  " and go to "System Preferences".

(4) Select "Security & Privacy".

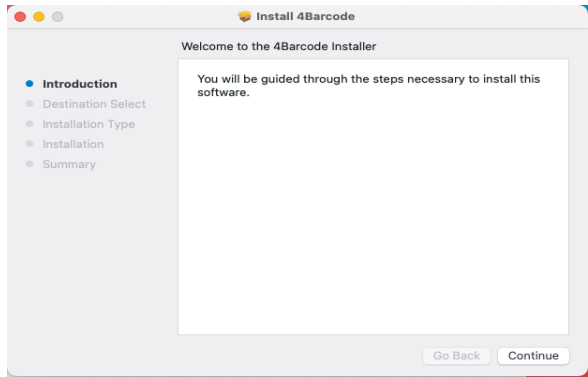


**Step 1:** ① You can get the driver on CD or USB stick

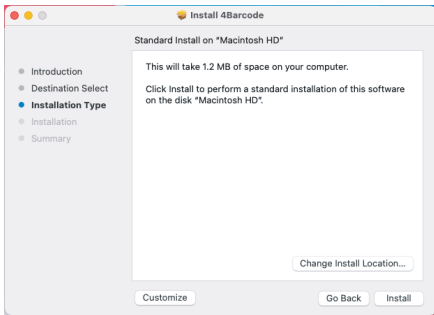
② Go to the 6printer.com to get driver



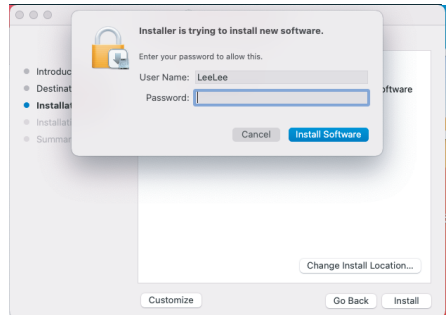
**Step 2:** double click .pkg Icon.



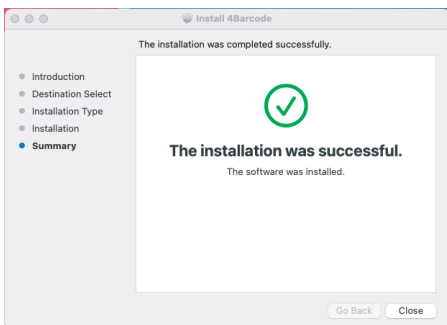
**Step 3:** click continue button.



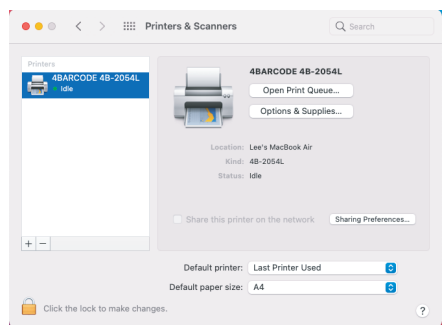
**Step 4:** click install button.



**Step 5:** input the user name and password.



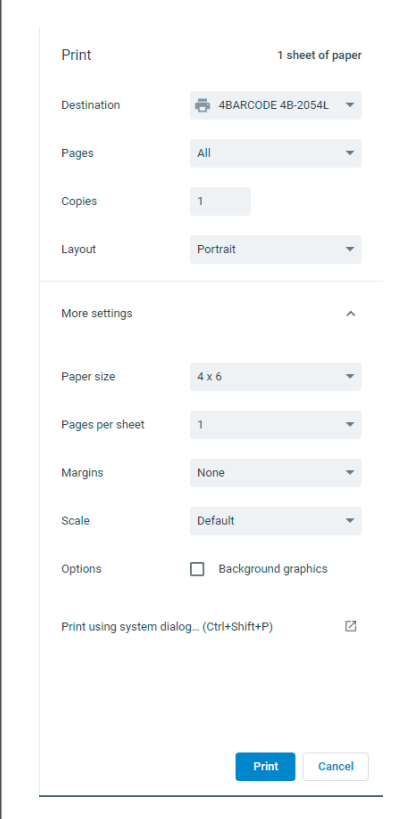
**Step 6:** click close button.



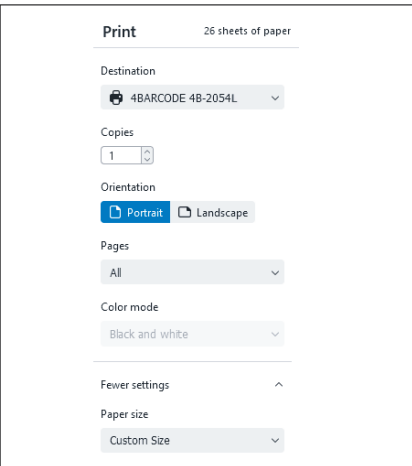
**Step 7:** click + button to add printer. If printer is connected to Mac, driver model will install automatically. (Model: 4B-2054L)


## Browser Printing For Window

Please refer to the explanation of each item to setup accordingly.

	<p><b>Destination:</b> Select 4BARCODE 4B-2054L to print.</p> <p><b>Pages:</b> Select the pages needed to print. Default is to print all pages.</p> <p><b>Copies:</b> Decide how many copies should be printed. Default is to print one copy.</p> <p><b>Layout:</b> Portrait: Present image as width greater than high. Landscape: Present image as width smaller than high.</p> <p><b>More setting:</b> Click to expand more setting.</p> <p><b>Paper size:</b> 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><b>Pages per sheet:</b> Decide how many pages should be included in one label.</p> <p><b>Margin:</b> Decide the blank area from top, bottom, left, right of label to content.</p> <p><b>Scale:</b> To zoom in or out content on label.</p>
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## Firefox Browser

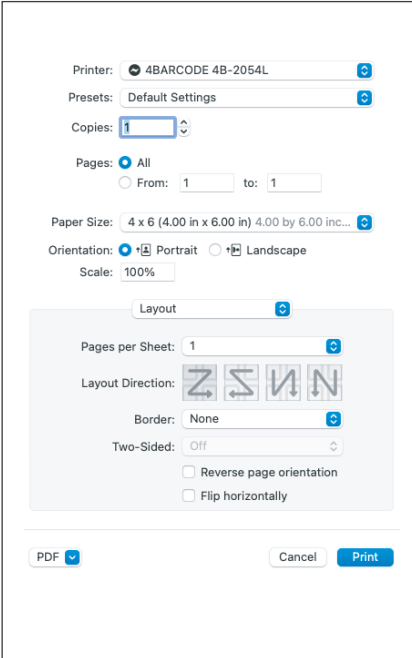
	<p><b>Destination:</b> Select 4BARCODE 4B-2054L to print.</p> <p><b>Copies:</b> Decide how many copies should be printed. Default is to print one copy.</p> <p><b>Orientation:</b> Portrait: Present image as width greater than high. Landscape: Present image as width smaller than high.</p> <p><b>Pages:</b> Select the pages needed to print. Default is to print all pages.</p> <p><b>Color mode:</b> Fix option. No additional available option.</p>
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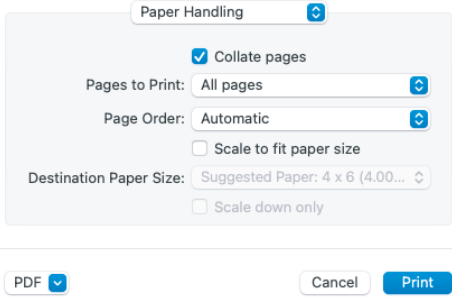
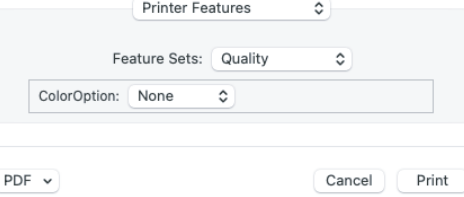
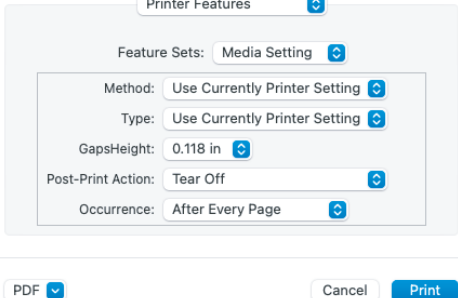
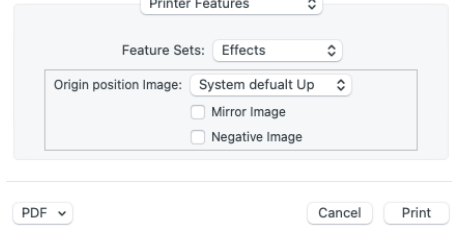
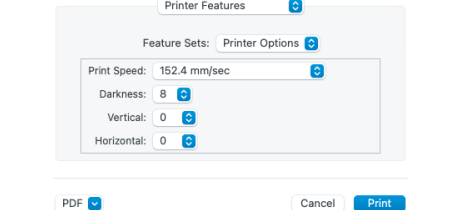
<p><b>Scale</b></p> <p><input checked="" type="radio"/> Fit to page width</p> <p><input type="radio"/> Scale <input type="text" value="100"/></p> <p><b>Pages per sheet</b></p> <p><input type="text" value="1"/></p> <p><b>Margins</b></p> <p><input type="text" value="Default"/></p> <p><b>Options</b></p> <p><input checked="" type="checkbox"/> Print headers and footers</p> <p><input type="checkbox"/> Print backgrounds</p> <p><a href="#">Print using the system dialog...</a> </p>	<p><b>Paper size:</b> Select the size that matched the installed label. If there is none, go to driver to create label size and restart Firefox.</p> <p><b>Fit to page width:</b> zoom in or out content automatically to the same width or label.</p> <p><b>Scale:</b> To zoom in or out content on label.</p> <p><b>Pages per sheet:</b> Decide how many pages should be included in one label.</p> <p><b>Margin:</b> Decide the blank area from top, bottom, left, right of label to content.</p> <p><b>Option:</b> Please cancel “Print headers and footers” option if unexpected and irrelevant info printed on the top and bottom of page. Print the background: Decide whether to print the background of website or not.</p>
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## Browser Printing for Mac

Please refer to the explanation of each item to setup accordingly.

### Safari Browser

 <p>Printer: 4BARCODE 4B-2054L</p> <p>Presets: Default Settings</p> <p>Copies: <input type="text" value="1"/></p> <p>Pages: <input checked="" type="radio"/> All <input type="radio"/> From: <input type="text" value="1"/> to: <input type="text" value="1"/></p> <p>Paper Size: 4 x 6 (4.00 in x 6.00 in) 4.00 by 6.00 inc...</p> <p>Orientation: <input checked="" type="radio"/> Portrait <input type="radio"/> Landscape</p> <p>Scale: <input type="text" value="100%"/></p> <p>Layout</p> <p>Pages per Sheet: <input type="text" value="1"/></p> <p>Layout Direction: <input checked="" type="radio"/> Z <input type="radio"/> S <input type="radio"/> W <input type="radio"/> N</p> <p>Border: <input type="text" value="None"/></p> <p>Two-Sided: <input type="text" value="Off"/> <input type="checkbox"/> Reverse page orientation <input type="checkbox"/> Flip horizontally</p> <p><input type="text" value="PDF"/> <input type="button" value="Cancel"/> <input type="button" value="Print"/></p>	<p><b>Printer:</b> Select 4BARCODE 4B-2054L to print.</p> <p><b>Presets:</b> Select the setting configuration of driver to print.</p> <p><b>Copies:</b> Decide how many copies should be printed. Default is to print one copy.</p> <p><b>Paper size:</b> Select the size that matched the installed label. If there is none, select Manage Custom Sizes.</p> <p><b>Orientation:</b> Decide the direction of paper out.</p> <p><b>Layout:</b> Pages per sheet: Decide how many pages should be included in one label.</p> <p><b>Layout Direction:</b> Print direction of pages.</p> <p><b>Border:</b> Set the border of print result.</p> <p><b>Two-Sided:</b> Fix option and no additional available option.</p>
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	<p><b>Paper handling:</b> Pages to print: Decide odd or even pages printed.</p> <p><b>Page Order:</b> Decide the print order is in normal or reverse.</p> <p><b>Destination Paper Size:</b> The paper size selected.</p>
	<p><b>Printer Features:</b> Feature Sets: Quality</p> <p><b>ColorOption:</b> Decide the color is none or grayscale.</p>
	<p><b>Printer Features:</b> Feature Sets: Media Setting</p> <p><b>Method:</b> Decide printing method of printer.</p> <p><b>Type:</b> Decide the label type.</p> <p><b>GapsHeight:</b> The height of gap or blackmark.</p> <p><b>Post-Print Action:</b> The method of taking down paper</p> <p><b>Occurrence:</b> The time to do post-print action</p>
	<p><b>Printer Features:</b> Feature Sets: Effects</p> <p><b>Origin position Image:</b> Print image in default setting or rotation 180 degree</p>
	<p><b>Printer Features:</b> Feature Sets: Printer Options</p> <p><b>Print speed:</b> Decide the print speed of printer</p> <p><b>Darkness:</b> Decide the print density of printer</p>

## Google Chrome Browser

<p>Print <span style="float: right;">1 sheet of paper</span></p> <p>Destination <span style="float: right;">4BARCODE 4B-2054L</span></p> <p>Pages <span style="float: right;">All</span></p> <p>Copies <span style="float: right;">1</span></p> <p>Paper size <span style="float: right;">Index-4x6 (Postcard)</span></p> <p>Pages per sheet <span style="float: right;">1</span></p> <p>Scale <span style="float: right;">Default</span></p> <p>Print using system dialog... (⌘#P) <input checked="" type="checkbox"/></p> <p>Open PDF in Preview <input checked="" type="checkbox"/></p> <p style="text-align: right;"><input type="button" value="Cancel"/> <input type="button" value="Print"/></p>	<p><b>Destination:</b> Select 4BARCODE 4B-2054L to print.</p> <p><b>Pages:</b> Select the pages needed to print. Default is to print all pages.</p> <p><b>Copies:</b> Decide how many copies should be printed. Default is to print one copy.</p> <p><b>Paper size:</b> 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><b>Pages per sheet:</b> Decide how many pages should be included in one label.</p> <p><b>Scale:</b> To zoom in or out content on label.</p>
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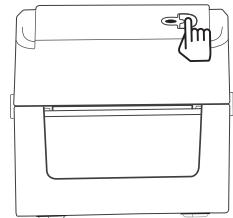
### Button Function

#### Do the calibration of gap or black mark label

1. Install the label and close the cover tightly.
2. Turn on the printer
3. Press the FEED button and hold on for 2-3 seconds
4. Release the FEED button when printer beep once and led blink red.
5. Printer calibrate the label height and gap or black mark height

### Print Selftest 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.

## LED status:

LED indicator color	Description
Blue (fixed)	Power on, printer standby to print.
Blue (blinking)	The printer is downloading data or the printer ipaused.
Purple	The printer is formatting the data.
Red (fixed)	Printer is in head opened status.
Red (blinking)	Printing error occurs, e.g. out of paper, paper jam, etc.

## Specifications:

Parameters	Values
Speed	152 mm/s
Resolution	203 DPI
Density	10
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

## 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 label size; clean the inside of the mechanism.

### **For Mac System:**

Reboot and press the feed button to calibrate the label and print a self-test page. If it is normal, please check the pdf printing size or the driver size whether is correct.

### **3. Poor printing quality**

- > a. Clean the print head and rubber roller
- b. Adjust the printing density
- c. Print out the self-test page to check if the print head is damaged.
- d. Make sure that the print head holder is fully closed

### **4. Paper skip occurs while printing**

- > a. Make sure that the label size setting is correct
- b. Recalibrate the label sensor
- c. Remove dust from the sensor with an air brush

### **5. Printer is in DUMP mode and prints hex data like '57 65 6C 63 6F 6D 65'**

- > Turn off the printer and turn on the printer again.