

# **sewoo**

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# sewoo



LABEL PRINTER

## MODEL : LK-B30IIE

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4" Direct Thermal Label Printer

All specifications are subject to change without notice

**This device complies with part 15 of the FCC Rules.  
Operation is subject to the following two conditions.**

- 1) This device may not cause harmful interference, and
- 2) This device must accept any interference received, including interference that may cause undesired operation.

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**Disposal of Old Electrical&Electronic Equipment(Applicable in the European Union and other European countries with separate collection systems)**

This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronics equipment. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

## For USA

### Information to user;

**Caution:** The user that changes or modifications not expressly approved by the Aroot Co., Ltd., responsible for compliance could void the user's authority to operate the equipment.

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

### CAUTION: Radio Frequency Radiation Exposure

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency RF Exposure Guidelines. This equipment should be installed and operated keeping the radiator at least 20cm or more away from person's body.

### Responsible Party;

**Company name :** Aroot USA

**Address :** 19700 S. VERMONT AVE. STE 200 TORRANCE, CA 90502

**Tel/FAX No :** +1-310-617-7401

**Homepage :** [miniprinter.com](http://miniprinter.com)

## For Canada

This class A digital apparatus complies with Canadian ICES-003 (A)  
Cet appareil numérique de la class A est conforme la norme NMB-003 (A) du Canada  
The antenna cannot be removed (and changed) by user.

### NOTE

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions: (1) This device may not cause interference. (2) This device must accept any interference, including interference that may cause undesired operation of the device.

### CAUTION: Radio Frequency Radiation Exposure

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment and meets RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment should be installed and operated keeping the radiator at least 20cm or more away from person's body.

# Table of Contents

|                                                                               |          |
|-------------------------------------------------------------------------------|----------|
| <b>Safety Precautions</b>                                                     | <b>2</b> |
| 1. Unpacking                                                                  | 4        |
| 2. Inspecting The Printer                                                     | 5        |
| 3. Connecting power supply                                                    | 7        |
| 4. Hooking up the printer and computer                                        | 8        |
| 5. Loading the media                                                          | 9        |
| 5-1. Roll paper Type                                                          | 9        |
| 5-2. Fanfold Type                                                             | 11       |
| 5-3. Load Fanfold Cover                                                       | 13       |
| 5-4. Remove Fanfold cover                                                     | 14       |
| 6. The treatment when you run short of paper and encounter cutter jam problem | 15       |
| 7. Setting up the sensors                                                     | 16       |
| 8. Self-Test Printing / Configuration Printout                                | 17       |
| 9. Media Calibration                                                          | 18       |
| 9-1. Media Calibration when printer power is off                              | 18       |
| 9-2. Media Calibration when printer power is on                               | 19       |
| 10. Offline Printer Reset Function                                            | 20       |

|                                                  |           |
|--------------------------------------------------|-----------|
| <b>11. Option</b>                                | <b>21</b> |
| 11-1. Cutter Assembly                            | 21        |
| 11-2. Peeler Assembly                            | 24        |
| <b>12. Printer cleaning</b>                      | <b>27</b> |
| <b>13. Peripheral Connection (Optional)</b>      | <b>28</b> |
| 13-1. Bluetooth Connection                       | 28        |
| 13-2. Wi-Fi Connection                           | 28        |
| <b>14. Connector</b>                             | <b>29</b> |
| <b>15. Standard roll media specification</b>     | <b>31</b> |
| <b>16. Standard label specification</b>          | <b>32</b> |
| <b>17. Label specification with Through-hole</b> | <b>33</b> |
| <b>18. Label with Black Mark</b>                 | <b>34</b> |
| <b>19. Continuous stock specification</b>        | <b>35</b> |
| <b>20. Specifications</b>                        | <b>36</b> |
| <b>21. Command List</b>                          | <b>38</b> |
| <b>22. Utilities</b>                             | <b>41</b> |
| <b>23. S/W</b>                                   | <b>42</b> |

# Safety Precautions

For better safety and reliability, adhere to the following precautionary measures. Read and follow the instructions carefully before operation of the product.

## Indication



Prohibition



Must follow



Do not disassemble



Unplug the power from the outlet



Grounding to prevent electric shock



Do not handle the product with wet hands



## WARNING

Failure to follow these instructions could result in fire, electric shock, other injuries, or property damage.



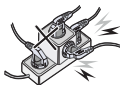
Do not pull or touch the power plug with wet hands.

Potential risk of electric shock or fire



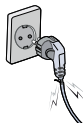
Do not bend the wire and do not allow the wire to be pinched or crushed by heavy objects.

Potential risk of electric shock or fire



Do not overload an electrical outlet.

Potential risk of electric shock or fire



If a power plug is broken or a plug is cut or worn, do not use it.

Potential risk of electric shock or fire





## WARNING

Failure to follow these instructions could result in fire, electric shock, other injuries, or property damage.



**Do not unplug the power cable to turn off the product.**

Turn off the power using the power button



**Do not disassemble, repair or modify the product.**

Potential risk of malfunction, electric shock, or fire. When the product needs to be repaired, please contact your reseller



## CAUTION

Failure to follow these instructions could result in fire, electric shock, other injuries, or property damage.



**Do not install the product on an unstable or inclined surface.**

May cause damage or injury



**If the product needs to be repaired, please contact your reseller.**

Potential risk of fire or unit malfunction



**Keep product away from the water and other material.**

Potential risk of fire or unit malfunction



**Avoid excessive shock or drops.**

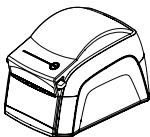
Potential risk of fire or property damage



# 1. Unpacking

## Standard

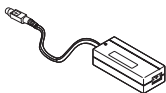
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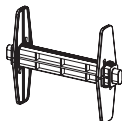
Printer



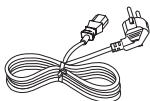
Fanfold Cover



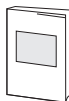
Power Supply



Paper Spindle



Power Cord



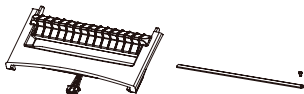
Manual

## Optional

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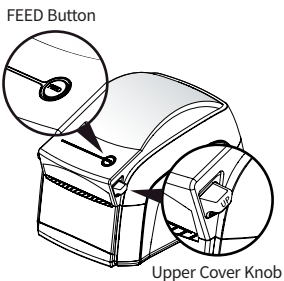
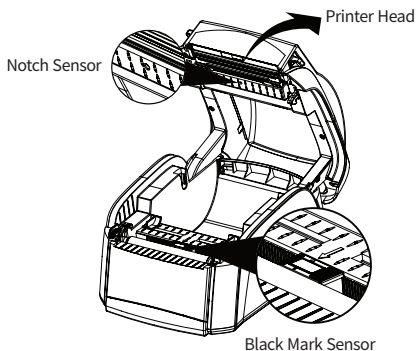
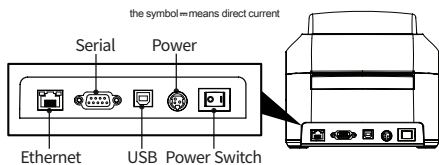


Auto Cutter

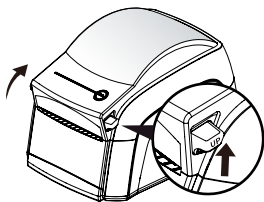


Peeler & Peeler bar

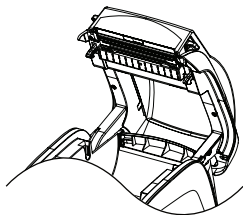
## 2. Inspecting The Printer



## Opening the printer



Open the upper cover by pushing the knob in the direction of the arrow.



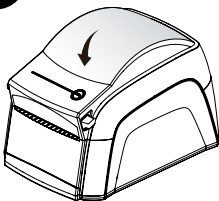
### CAUTION

Make sure to be careful of the HOT head after using long time.



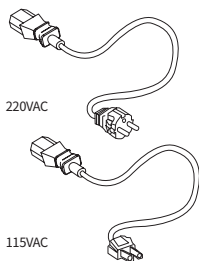
1 2  
3

"If the cover is not shut down completely,  
the printer may not work properly"

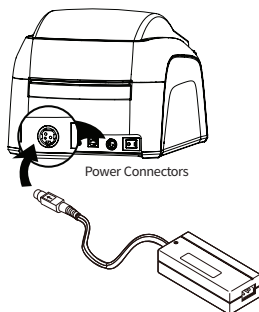


Please make sure you hear the closing sound of the upper cover.

### 3. Connecting power supply

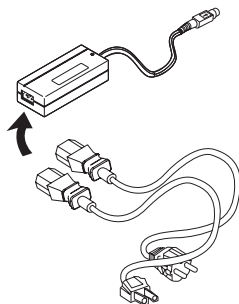


Please check the specification of the AC power cord if it is correct with your power system.

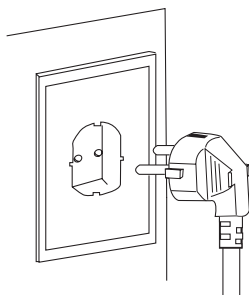


Turn off the power of the printer and connect the power supply to the printer as shown above.

1 2  
3 4



Connect the AC power cord to the power supply.

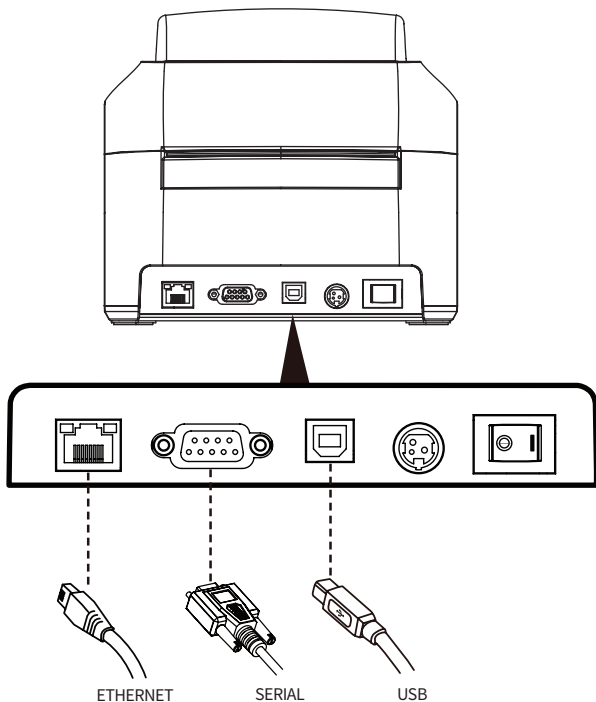


Insert a plug into the electrical outlet.

## 4. Hooking up the printer and computer

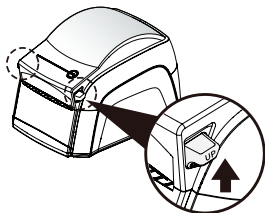
### Printer

---

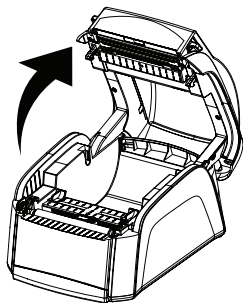


# 5. Loading the media

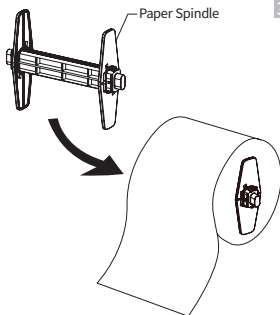
## 5-1. Roll paper Type



Turn off the printer and open the upper cover by pushing the knob in the direction of the arrow.

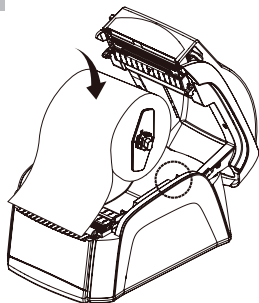


Please open the upper cover as shown above.

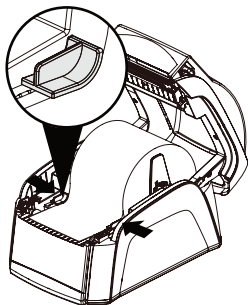


Pull out one of the adjustable width tabs. Insert a paper roll and adjust the tab so that the paper can be positioned in the center.

1 2  
3 4



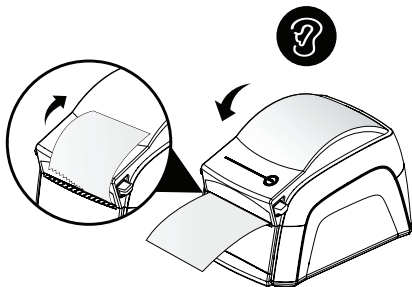
Insert paper roll into the printer.



Adjust the paper guide to fit the width of the paper.

5  
6

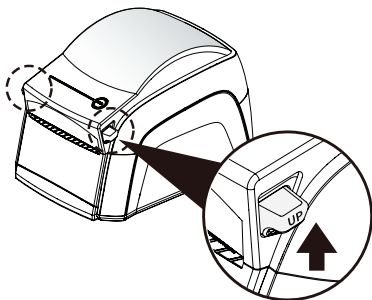
" Please cut the paper in upper direction "



Pull the paper to the print position and Make sure that you hear the closing sound when the top cover is fully closed.

## 5-2. Fanfold Type

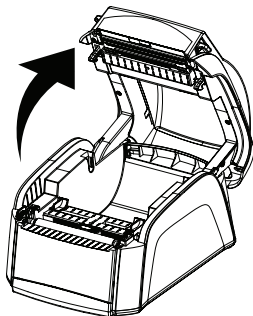
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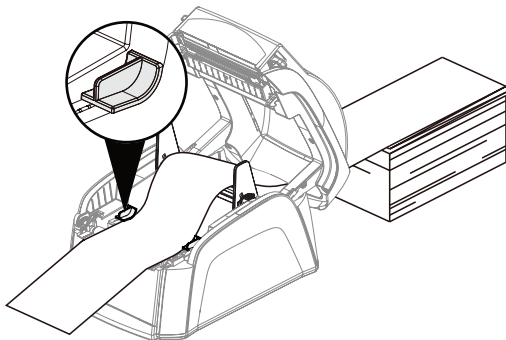
Turn off the printer and open the upper cover by pushing the knob in the direction of the arrow.

---

1  
2



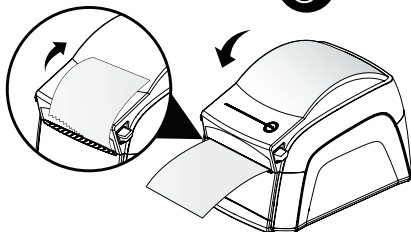
Please open the upper cover as shown above.



Insert a paper roll into the printer.

3  
4

**" Please cut the paper  
in upper direction "**

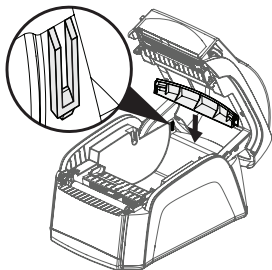


Close the upper cover completely.

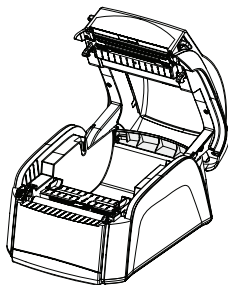
- Make sure you hear the closing sound.

### 5-3. Load Fanfold Cover

---



Open the upper cover and put the Fanfold cover into the guide hook as shown above.

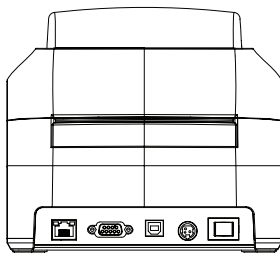


Pushing fanfold cover from up to down and set.

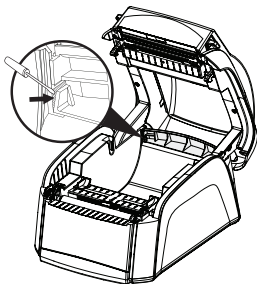
1 2

---

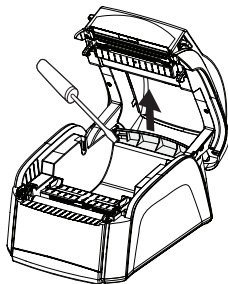
Back side of printer loaded fanfold cover



## 5-4. Remove Fanfold cover



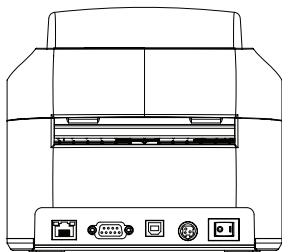
Pull out the left edge of the fanfold cover using an angled tool.



When the edge widens, pull the fanfold cover upwards to remove it.

1 2

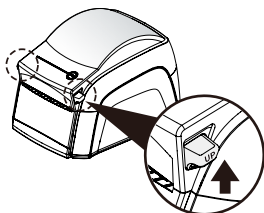
Back side of printer removed fanfold cover



### ✓ NOTE

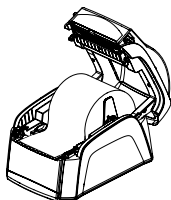
– Please remove fanfold cover when using fanfold type paper.

## 6.The treatment when you run short of paper and encounter cutter jam problem

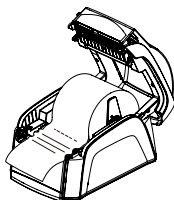


While you are printing with continuous media, please press PULL lever to the direction of the arrow.

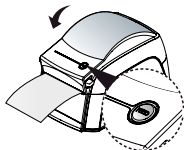
" Installation of the new paper when the printer is short of it "



" Remove of the paper seized by paper jam "



" Remove the paper seized by paper jam "



After the treatment has been done as picture above, the printer function normally once you press FEED button.



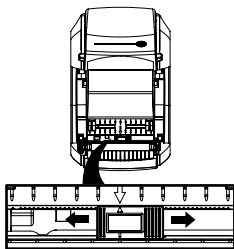
Caution

When the power is on, the ordered data will be printed without any data lost after installation of the new paper roll or treatment for paper Jam.

However, if these action has been done in the case the power is off, there can be some data lost since the printer buffer will not save them while the printer power is off.

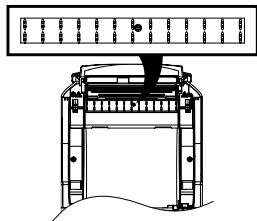
## 7. Setting up the sensors

**Black Mark Sensor**

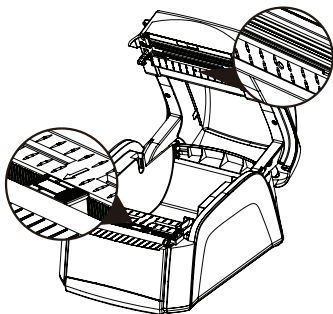


Set Black Mark Sensor right to the size of roll paper.

**Notch Sensor**

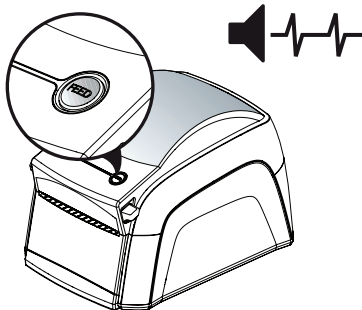


The sensor is fixed, so no further adjustment is required.



Adjust the arrows to face each other in the same position.

## 8. Self-Test Printing / Configuration Printout



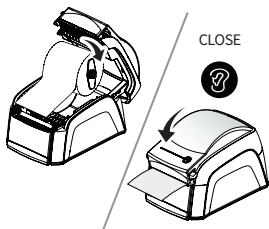
- 1 Press the “FEED” button until after the sound of two beeps. Then release the “FEED” button.
- 2 After the printout is completed, printer returns to READY mode.

**✓ NOTE**

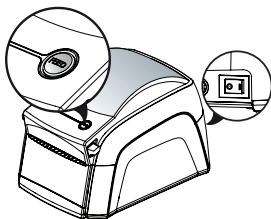
- If the “FEED” button is released after only one beep, the printer goes into the Media Calibration function. (see section 9)

## 9. Media Calibration

### 9-1. Media Calibration when printer power is off

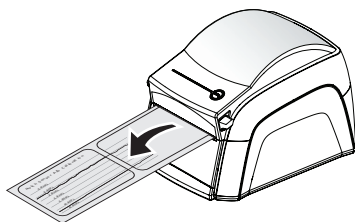


With the printer turned off, load paper and close the printer cover.



While pressing the "FEED" button, power on the printer the start of printing.

1 2  
3



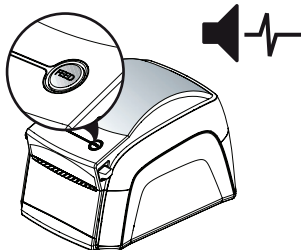
The printer is going to print out the media with the graph indicating how calibration is done for the sensor. This information will be automatically saved to ensure the accuracy on the form alignment. Once the graph is printed, cycle the power to get back into to READY mode.

#### ✓ NOTE

- If the printing result is abnormal after the media calibration, please use the "SEWOO Label Printer Configuration Tool" to configure correctly. This utility is on the CD or can be downloaded from the printer's web page, at the bottom under "Utility".

## 9-2. Media Calibration when printer power is on

---



Press the “FEED” button and release immediately after the first beep.

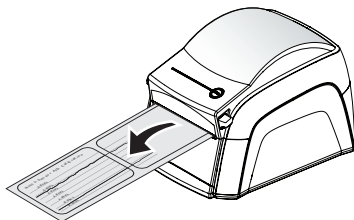
**✓ NOTE**

- At the sound of the second beep, the printer goes into the Self Test function and prints out the printer’s configuration.

---

1  
2

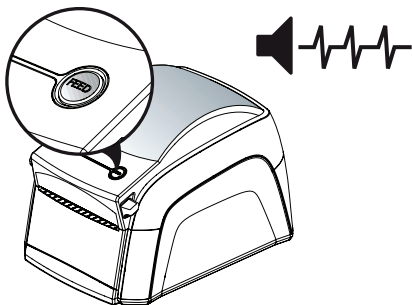
---



The printer is going to print out the media with the graph indicating how calibration is done for the sensor. This information will be automatically saved to ensure the accuracy on the form alignment. Once the graph is printed, cycle the power to get back into to READY mode.

## 10. Offline Printer Reset Function

- The LK-B30IIE can be reset without being connected to the computer.



- 1 With the printer powered on, pressing the "FEED" button will produce a beep sound every 1 second. Hold the "FEED" button and release at the third beep to enter the printer reset function. The printer will then print a menu and will then enter into the offline reset mode.
- 2 Review the menu (as shown below) and press down the "FEED" button the number of beeps corresponds to the item to be executed in the menu, and then release the "FEED" button.

### Setting Menu

---

- 01 Ethernet setting initialization
- 02 Printer Factory Reset
- 03 Enter printer offline reset mode

#### ✓ NOTE

- Printing or feeding while in the offline setting menu will cause the printer to exit this menu option.
- This function is supported from firmware version V3.00 and higher.

# 11. Option

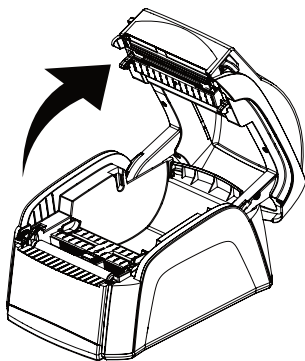
## 11-1 Cutter Assembly



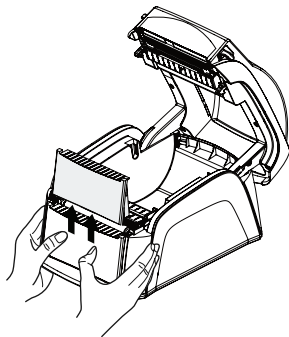
This equipment is not suitable for use in locations where children are likely to be present.



※ Keep body parts away from cutter blades.

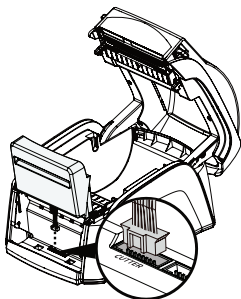


1 Open the paper cover.

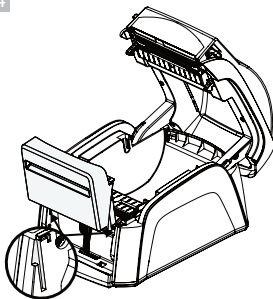


Lift the front cover to disassemble.

2  
3 4



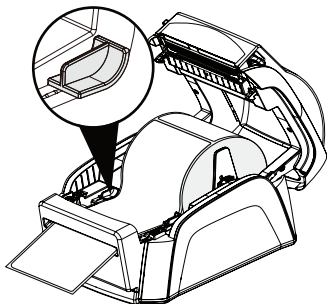
Connect the cutter connector to cutter position.



Assemble the cutter to the left and right connections and install it down.

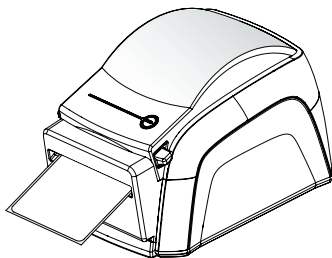
**✓ NOTE**

– left and right positions are correctly Assembled.



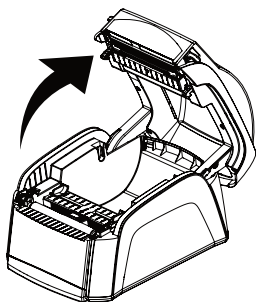
After passing the paper through the cutter mechanism, adjust the guide to fit the width.

5  
6

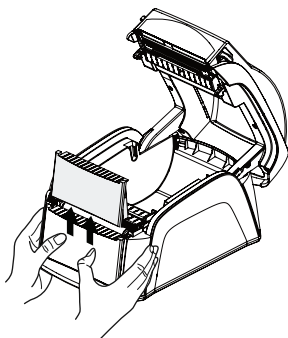


Close the paper cover.

## 11-2 Peeler Assembly

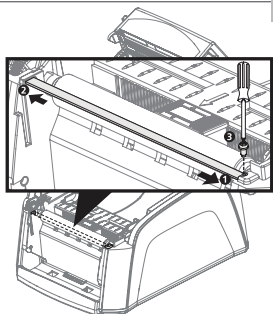


Open the paper cover.

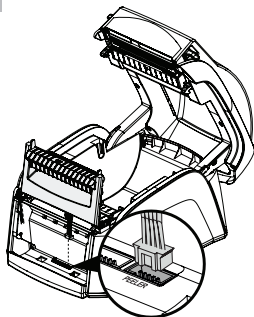


Lift the front cover to disassemble.

1 2  
3 4



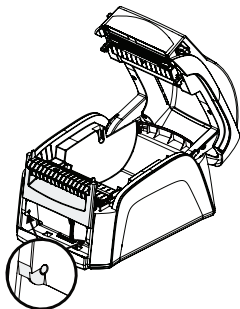
Fix the peeler bar according to the order as shown in the picture.



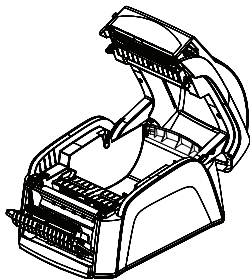
Connect the peeler connector to peeler position.

✓ NOTE

- left and right positions are correctly Assembled.

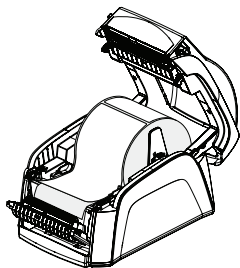


Assemble the filler to the left and right connections and install it down.



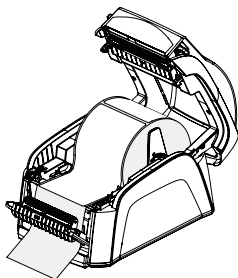
Open the peeler to the front as shown.

5 6  
7 8

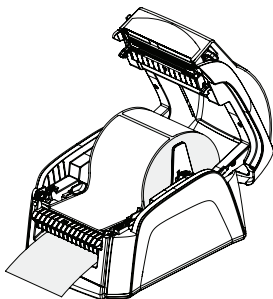


Please put the paper in and remove the label.

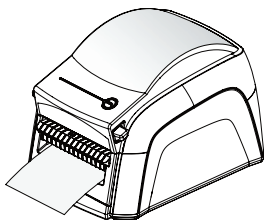
Move the peeled backing paper to the outlet under the peeler roller.



Move the backing paper that has passed through the rollers forward.

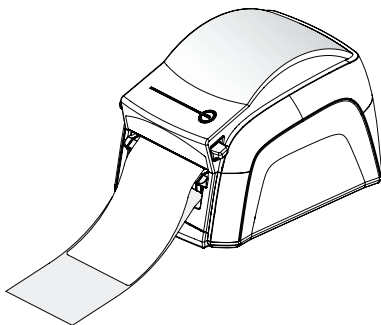


Return the peeler mechanism to normal position.



Close the paper cover.

9 10  
11



It is recommended that you use it after checking if the label paper and the back paper are separated when the printout is printed.

## 12. Printer cleaning

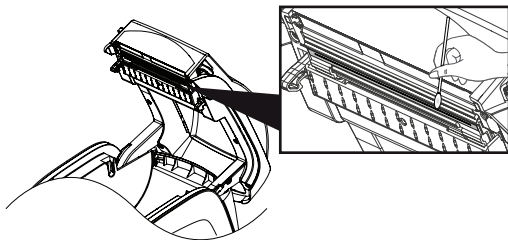
If the interior of the printer is dusty, printing quality can be lowered.  
In such a case, follow the instructions below to clean up the printer.

### ✓ NOTE

- 01 Make sure to turn the printer power off prior to cleaning.
- 02 Regarding printhead cleaning, as the printhead gets very hot during printing, turn off the printer power and wait approximately 10 minutes before cleaning.
- 03 When cleaning the printhead, take care not to touch the heated portion of the printhead. The printhead can be damaged by static electricity.
- 04 Take care not to allow the printhead to become scratched and / or damaged in any way.

### Print-Head Cleaning

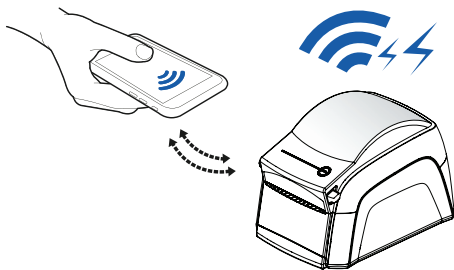
---



- 1 Use an applicator swab moistened with an alcohol solution to clean the print head and remove any dusts.
- 2 Once the cleaning is completed, insert paper roll into the printer few minutes later and close the printer cover.

## 13. Peripheral Connection (Optional)

This product can communicate with other devices via Bluetooth & Wi-Fi communication and cable.



### 13-1. Bluetooth Connection

---

- 1 The Printer can be connected to devices equipped with Bluetooth communication capabilities (PDAs, PCs, etc.).
- 2 Use the Bluetooth connection function supported by your device to connect to the printer.

### 13-2. Wi-Fi Connection

---

- 1 The Printer can be connected to devices equipped with Wi-Fi communication capabilities (PDAs, PCs, etc.).
- 2 Use the Wi-Fi connection function supported by the device to connect to the printer.

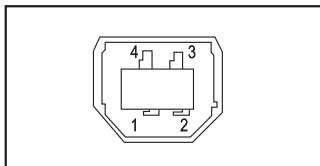
**✓ NOTE**

- Please refer to the configuration manual for details.
- Website([www.miniprinter.com](http://www.miniprinter.com)) > C/S Center > Download > Select Model

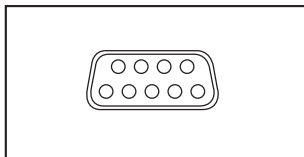
# 14. Connector

## Interface Connectors

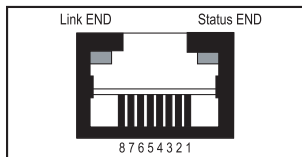
---



USB “ B “ TYPE



9 Pin Serial



Ethernet

## Ethernet Interface

| Pin | Signal     | I/O           |
|-----|------------|---------------|
| 1   | Data Out + | Output Data + |
| 2   | Data Out - | Output Data - |
| 3   | GND        | Ground        |
| 4   | Data IN +  | Input Data +  |
| 5   | Data IN -  | Input Data -  |
| 6   | N.C        | -             |
| 7   | N.C        | -             |
| 8   | N.C        | -             |

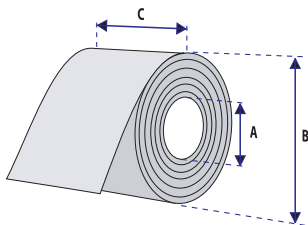
## USB Interface

| Pin | Signal | I/O | Description                |
|-----|--------|-----|----------------------------|
| 1   | +5V    | -   | +5V                        |
| 2   | DATA-  | -   | Printer transmit data line |
| 3   | DATA+  | -   | Printer transmit data line |
| 4   | GND    | -   | System Ground              |

## 9Pin Serial Interface

| Pin   | Signal | I/O    | Description                                  |
|-------|--------|--------|----------------------------------------------|
| 3     | RXD    | Input  | Printer receive data line RS-232C level      |
| 2     | TXD    | Output | Printer transmit data line RS-232C level     |
| 6,8   | DTR    | Output | Printer handshake to host line RS-232C level |
| 5     | GND    | -      | System Ground                                |
| 4     | DSR    | Input  | Data Send Ready                              |
| 1,7,9 | NC     | -      | -                                            |

## 15. Standard roll media specification



| Core                |         |
|---------------------|---------|
| Diameter(A)         | 25.4 mm |
| Max. width          | 116 mm  |
| Roll                |         |
| Max.diameter(B)     | 127 mm  |
| Max.media width(C)  | 116 mm  |
| Min.media width(C)  | 25.4 mm |
| Max.media thickness | 0.20 mm |
| Min.mdeia thickness | 0.06 mm |

### ✓ NOTE

01 When the paper width is less than 25.4 (1inch), please print 101.6 mm/s.

02 When the paper width is between 25.4 (1inch) to 76.2 (3inch), please print 127mm/s.

### ※ Motor protection from being overheated

To prevent the motor from overheating, stop the printer for at least 30 seconds after continuously printing 2 meters.

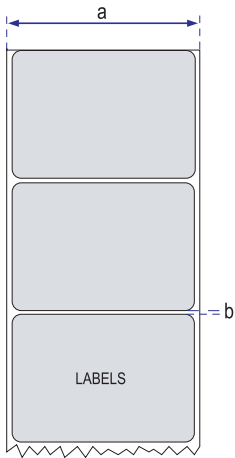


**Caution**

Protect the media against sand, grit, and other hard particles during printing and storage. Keep the cover closed. Even very small foreign particles may cause severe harm to the delicate printhead.

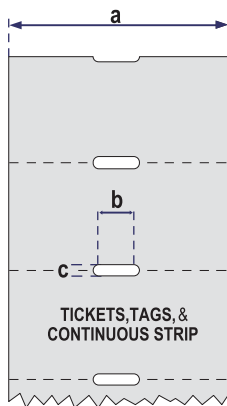
## 16. Standard label specification

| <-- a --> Media width (inch, liner) |         |
|-------------------------------------|---------|
| Maximum                             | 116 mm  |
| Minimum                             | 25.4 mm |
| <-- b --> Label gap height          |         |
| Maximum                             | 10 mm   |
| Minimum                             | 2 mm    |



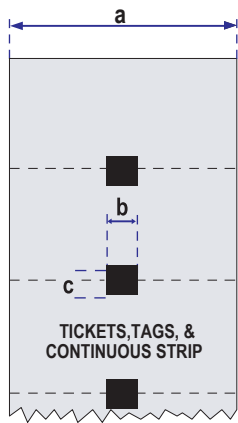
# 17. Label specification with Through-hole

| <-- a --> Tag or strip width    |         |
|---------------------------------|---------|
| Maximum                         | 116 mm  |
| Minimum                         | 25.4 mm |
| <-- b --> Detection slot width  |         |
| Minimum                         | 14 mm   |
| <-- c --> Detection slot height |         |
| Maximum                         | 10 mm   |
| Minimum                         | 2 mm    |



# 18. Label with Black Mark

| <-- a --> Tag or strip width |         |
|------------------------------|---------|
| Maximum                      | 116 mm  |
| Minimum                      | 25.4 mm |
| <-- b --> Black mark width   |         |
| Minimum                      | 14 mm   |
| <-- c --> Black mark height  |         |
| Maximum                      | 10 mm   |
| Minimum                      | 3 mm    |



# 19. Continuous stock specification

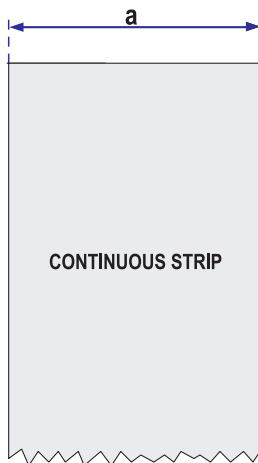
The printer can use continuous paper without any detection gap or black marks.

The printer must be set for continuous paper by the Q command.

The length of each copy is decided by the size of the print image and any additional media feed is decided by the Q command.

Continuous paper cannot be used in the Test (Dump) Mode.

| <-- a --> width |         |
|-----------------|---------|
| Maximum         | 116 mm  |
| Minimum         | 25.4 mm |



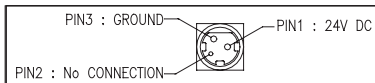
## 20. Specifications

|                         |          |                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Print method            |          | Direct Thermal                                                                                                                                                                                                                                                                                                                                          |
| Print speed (Max.)      |          | 152mm/sec                                                                                                                                                                                                                                                                                                                                               |
| Print width (Max.)      |          | 108mm (4.25 inch)                                                                                                                                                                                                                                                                                                                                       |
| Print length (Max.)     |          | 1000mm (39.3")                                                                                                                                                                                                                                                                                                                                          |
| Resolution              |          | 203dpi (8 dots/mm)                                                                                                                                                                                                                                                                                                                                      |
| Paper width (Min.~Max.) |          | 25.4 ~ 115mm (1" ~ 4.52")                                                                                                                                                                                                                                                                                                                               |
| Paper roll size         |          | 25.4mm (1")                                                                                                                                                                                                                                                                                                                                             |
| Paper thickness         |          | 0.06 ~ 0.20 mm                                                                                                                                                                                                                                                                                                                                          |
| Paper type              |          | Roll, Fanfold, Blackmark, Continuous, Gap, punched hole, Notch Sensor                                                                                                                                                                                                                                                                                   |
| Paper sensor            |          | Label gap, Black mark, Notch                                                                                                                                                                                                                                                                                                                            |
| Interface               | Standard | USB, Serial(RS-232C), Ethernet                                                                                                                                                                                                                                                                                                                          |
|                         | Option   | Wi-Fi(802.11a/b/g/n), Bluetooth Smart Ready (Bluetooth4.2+BLE)                                                                                                                                                                                                                                                                                          |
| Memory                  |          | Main Flash 1MB, SDRAM 16MB, FONT Flash 8MB                                                                                                                                                                                                                                                                                                              |
| Serial baud rate(Max.)  |          | 115,200 bps (max)                                                                                                                                                                                                                                                                                                                                       |
| Emulation               |          | EPLII, ZPLII Command compatible                                                                                                                                                                                                                                                                                                                         |
| Font specification      | EPLII    | 6 bitmapped<br>– 8x12, 10x16, 12x20, 14x24, 32x48, 24x24(KSC5601)                                                                                                                                                                                                                                                                                       |
|                         | ZPLII    | 9 bitmapped<br>– 5×9, 7×11, 10×18, 10x18, 15×28, 13×26, 40×60, 13x21, 24x24<br>2 smooth scalable(English, Korean)                                                                                                                                                                                                                                       |
| Barcode                 | 1D       | Code39, Code128 with subsets A/B/C/Auto, UCC/EAN-128, Code93, Codabar, Interleaved 2 of 5, UPC-A, UPC-E, UPC-A and E with 2 or 5 digit extension, EAN-8, EAN-13, EAN-8 and 13 with 2 or 5 digit extensions, Postnet, Plessey, MSI-3, German Post CodeLogmars, Code11, UPC_Interleaved 2 of 5, Industrial 2 of 5, Standard 2 of 5, Planet, ANSI, Logmars |
|                         | 2D       | MaxiCode, PDF 417, Data Matrix, QR Code, MicroPDF417, AZTEC, Code 49, CODABLOCK, RSS                                                                                                                                                                                                                                                                    |

|                       |      |                                                      |
|-----------------------|------|------------------------------------------------------|
| Power                 | Type | External SMPS                                        |
|                       | AC   | 100 ~240Vac, 2.0A, 50~60Hz                           |
|                       | DC   | 24 Vdc 2.5A                                          |
| Operating Temperature |      | 5°C ~ 40°C                                           |
| Storage Temperature   |      | -20°C ~ 60°C                                         |
| Weight                |      | 3.3lbs (1.52kg)                                      |
| Size (W x D x H)      |      | 190 x 262 x 168 (mm) /<br>7.48 x 10.31 x 6.61 (Inch) |
| Option                |      | Auto Cutter, Peeler                                  |

## Electrical Characteristics

- 1 Input Voltage DC 24V  $\pm$  10%
- 2 Power Supply Current 2.5 A
- 3 Power Connector



# 21. Command List

## ZPL Command List

| No. | Command | Description                           |
|-----|---------|---------------------------------------|
| 1   | ^A      | Scalable/Bitmapped Font               |
| 2   | ^B1     | Code 11 BarCode                       |
| 3   | ^B2     | Interleaved 2 of 5 BarCode            |
| 4   | ^B3     | Code 39 BarCode                       |
| 5   | ^B4     | Code 49 BarCode                       |
| 6   | ^B5     | Planet Code BarCode                   |
| 7   | ^B7     | PDF417 BarCode                        |
| 8   | ^B8     | EAN-8 BarCode                         |
| 9   | ^B9     | UPC-E BarCode                         |
| 10  | ^BA     | Code 93 BarCode                       |
| 11  | ^BC     | Code 128 BarCode(Subsets A, B, and C) |
| 12  | ^BD     | UPS MaxiCode BarCode                  |
| 13  | ^BE     | EAN-13 BarCode                        |
| 14  | ^BF     | Micro-PDF417 BarCode                  |
| 15  | ^BI     | Industrial 2 of 5 BarCode             |
| 16  | ^BJ     | Standard 2 of 5 BarCode               |
| 17  | ^BK     | ANSI Codabar BarCode                  |
| 18  | ^BL     | LOGMARS BarCode                       |
| 19  | ^BM     | MSI BarCode                           |
| 20  | ^BP     | Plessey BarCdoe                       |
| 21  | ^BQ     | QR Code BarCode                       |
| 22  | ^BS     | UPC/EAN Extensions                    |
| 23  | ^BU     | UPC-A BarCode                         |
| 24  | ^BX     | Data Matrix BarCode                   |
| 25  | ^BY     | BarCode Field Default                 |
| 26  | ^BZ     | POSTNET BarCode                       |
| 27  | ^CC     | ~CC Change Carets                     |
| 28  | ^CD     | ~CD Change Delimiter                  |
| 29  | ^CF     | Change Alphanumeric Default Font      |
| 30  | ^CI     | Change International Font/Encoding    |
| 31  | ^CT     | ~CT Change Tilde                      |
| 32  | ^DF     | Download Format                       |

|    |     |                                  |
|----|-----|----------------------------------|
| 33 | ~DG | Download Graphics                |
| 34 | ^FB | Field Block                      |
| 35 | ^FC | Field Clock(for Real-Time Clock) |
| 36 | ^FD | Field Data                       |
| 37 | ^FH | Field Hexadecimal Indicator      |
| 38 | ^FN | Field Number                     |
| 39 | ^FO | Field Origin                     |
| 40 | ^FP | Field Parameter                  |
| 41 | ^FR | Field Reverse Print              |
| 42 | ^FS | Field Separator                  |
| 43 | ^FT | Field Typeset                    |
| 44 | ^FV | Field Variable                   |
| 45 | ^FW | Field Orientation                |
| 46 | ^FX | Comment                          |
| 47 | ^GB | Graphic Box                      |
| 48 | ^GC | Graphic Circle                   |
| 49 | ^GD | Graphic Diagonal Line            |
| 50 | ^GE | Graphic Ellipse                  |
| 51 | ^GF | Graphic Field                    |
| 52 | ^GS | Graphic Symbol                   |
| 53 | ^ID | Object Delete                    |
| 54 | ^IL | Image Load                       |
| 55 | ^IM | Image Move                       |
| 56 | ^IS | Image Save                       |
| 57 | ^LH | Label Home                       |
| 58 | ^LL | Label Length                     |
| 59 | ^LR | Label Reverse Print              |
| 60 | ^LS | Label Shift                      |
| 61 | ^LT | Label Top                        |
| 62 | ^MC | Map Clear                        |
| 63 | ^MD | Media Darkness                   |
| 64 | ^MM | Print Mode                       |

|    |     |                                        |
|----|-----|----------------------------------------|
| 65 | ^MN | Media Tracking                         |
| 66 | ^MT | Media Type                             |
| 67 | ^PM | Printing Mirror Image of Label         |
| 68 | ^PO | Print Orientation                      |
| 69 | ^PQ | Print Quantity                         |
| 70 | ^PR | Print Rate                             |
| 71 | ^PW | Print Width                            |
| 72 | ^SC | Set Serial Communications              |
| 73 | ~SD | Set Darkness                           |
| 74 | ^SN | Serialization Data                     |
| 75 | ^ST | Set Date and Time(for Real-Time Clock) |
| 76 | ^XA | Start Format                           |
| 77 | ^XF | Recall Format                          |
| 78 | ^XG | Recall Graphic                         |
| 79 | ^XZ | End Format                             |

## 22. Utilities

The following utilities and concerned manual can be found on the CD or homepage.

| No. | Name                                             | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1   | SEWOO Label Printer Configuration Tool           | SEWOO Label Printer Configuration Tool.<br>This program provides the following functions. <ul style="list-style-type: none"><li>– Set Ethernet and RS232</li><li>– Set beep sound for each error</li><li>– Set detailed sensor calibration conditions</li><li>– Set the print density, speed, tear-off amount after printing, and operation at booting &amp; cover close action</li><li>– Download the printer firmware</li><li>– Download the resident font</li></ul> |
| 2   | SEWOO Label Printer Wi-Fi                        | This program provides detailed Wi-Fi setting functions.                                                                                                                                                                                                                                                                                                                                                                                                                |
| 3   | SEWOO Label Printer Bluetooth Configuration Tool | This program provides detailed Bluetooth setting functions.                                                                                                                                                                                                                                                                                                                                                                                                            |
| 4   | Font Downloader (ZPL supported)                  | This program provides a function to download the device system font to the printer.                                                                                                                                                                                                                                                                                                                                                                                    |
| 5   | LabelCooker                                      | This program is for label form design and designed label printing.                                                                                                                                                                                                                                                                                                                                                                                                     |
| 6   | ImageConverter (ZPL supported)                   | This program provides a function to download images or logos.                                                                                                                                                                                                                                                                                                                                                                                                          |

## 23. S/W

We provides SDK, Driver, etc. as follows to respond to various S/W usage environments.

You can download this S/W from the homepage.

| No | Name                          | Description                                                                                                                                                                                                                                                   |
|----|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | Windows Driver                | This is an install program used to print a label printer in Windows OS.<br>After installing the Windows Driver, you can use a program like Label Cooker.                                                                                                      |
| 2  | Mac Driver<br>(EPL supported) | This is the Cups Driver used to print a label printer in the Mac OS environment.                                                                                                                                                                              |
| 3  | Windows SDK                   | This is library for communication and data output with label printer in Windows OS.<br>A method that can be used after installing Windows Driver (Windows GDI & Spool SDK) and a method to use without driver installation (Windows Direct SDK) are provided. |
| 4  | Android SDK                   | This is library for communication and data output with label printers in Android OS.                                                                                                                                                                          |
| 5  | iOS SDK                       | This is library for communication and data output with label printers in iOS.                                                                                                                                                                                 |

- Model Name (SBT-M2)
- Manufacturer (Aroot CO.,Ltd.)
- Manufacturing Origin (Made in Korea)
- ANATEL ID (Anatel: 03359-25-16538)

1. Incorpora produto homologado pela Anatel sob número 03359-25-16538
2. Este equipamento não tem direito à proteção contra interferência prejudicial e não pode causar interferência em sistemas devidamente autorizados.  
ANATEL website: <https://www.gov.br/anatel/pt-br/>



- Model Name (SWF-I3)
- Manufacturer (Aroot CO.,Ltd.)
- Manufacturing Origin (Made in Korea)
- ANATEL ID (Anatel: 04208-25-16538)

1. Incorpora produto homologado pela Anatel sob número 04208-25-16538
2. Este equipamento não tem direito à proteção contra interferência prejudicial e não pode causar interferência em sistemas devidamente autorizados.  
ANATEL website: <https://www.gov.br/anatel/pt-br/>



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