

# sewoo

**Aroot Co., Ltd.**

28-6, Gajangsaneopdong-ro, Osan-si, Gyeonggi- do, 18103, Republic of Korea

TEL : +82-31-8077-5000 / FAX : +82-31-624-5310

<http://www.miniprinter.com>

# sewoo



## **MODEL : SLK-TS100**

---

Mini Printer User's Manual

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.

**Tim Kloeker**

19700 S Vermont Ave Ste 200 Torrance, CA 90502 | USA  
NA\_Sales@miniprinter.com

**Victor Almazan**

Paseo de la Reforma No. 265 Piso 2.Oficina SBC. Col.  
Cuauhtémoc, C.P. 06500 Ciudad de Mexico | Mexico  
LA\_Sales@miniprinter.com

---

Use of the Made for Apple badge means that an accessory has been designed to connect specifically to the Apple product(s) identified in the badge, and has been certified by the developer to meet Apple performance standards.

Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards.

---



**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 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.



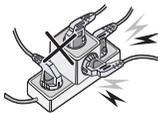
Do not pull or touch the power plug with wet hands.

Potential risk of electric shock or fire



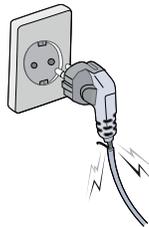
Do not bend the wire and do not allow the wire to be pinched or crushed by heavy objects.

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





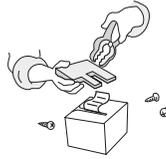
## WARNING

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

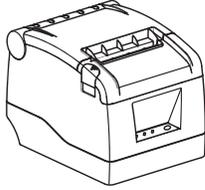


# Table of Contents

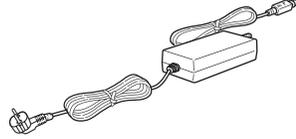
<b>1. List of product packing</b>	<b>4</b>
<b>2. Product appearance</b>	<b>5</b>
<b>3. Button names, indicators and functions</b>	<b>6</b>
<b>4. Installation and use</b>	<b>7</b>
4.1. Connection of printer	7
4.2. Installation of paper scroll	8
<b>5. Function overview</b>	<b>10</b>
5.1. Self-test instructions	10
5.2. How to resolve cutter paper jams	11
<b>6. Configuring PaperGuides</b>	<b>13</b>
<b>7. Adjustment of paper width</b>	<b>14</b>
<b>8. Printer cleaning</b>	<b>16</b>
<b>9. Driver of the printer</b>	<b>17</b>
<b>10. Printer interface</b>	<b>22</b>
10.1. Power interface	22
10.2. Cash-box interface	22
10.3. USB interface	23
10.4. Serial interface	23
10.5. Ethernet interface	24
<b>11. Specifications</b>	<b>25</b>

# 1. List of product packing

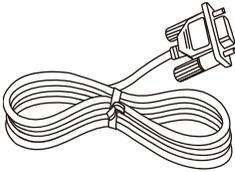
Your printer box should include these items. If any items are damaged or missing, please contact your dealer for assistance.



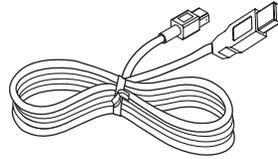
The Printer



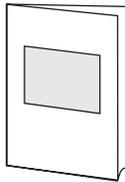
AC adapter and Power cord



Serial Cable



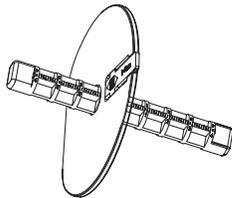
USB Cable



Quick Manual

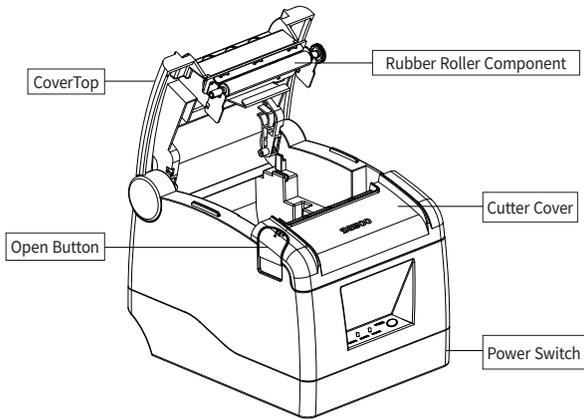


Roll Paper

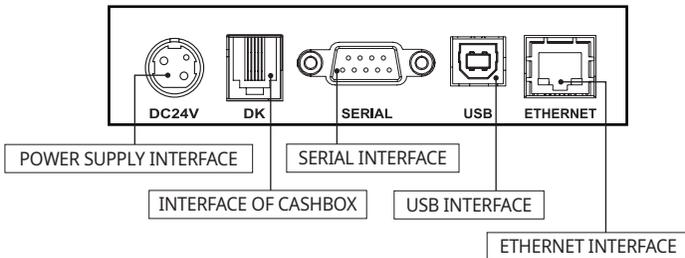


Paper Guide(OPTIONS)

## 2. Product appearance



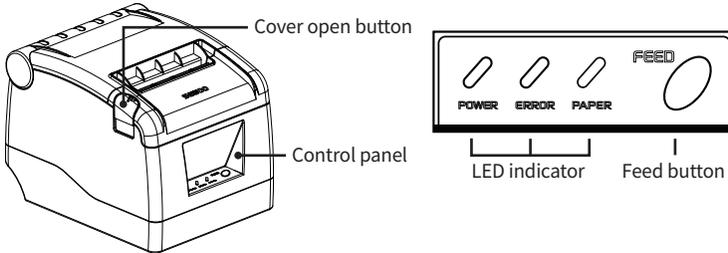
All cables connect to the connector panel on the back of the printer which is shown below:



Make sure the printer is turned off before you connect the cable.

# 3. Button names, indicators and functions

## 3.1. Control panel



### Button

The button can be disabled by the ESC c 5 command. Press the FEED button once to advance paper one line. You can also hold down the FEED button to feed paper continuously.

### Top cover

Cover open button : Press to open the top cover, to insert paper roll

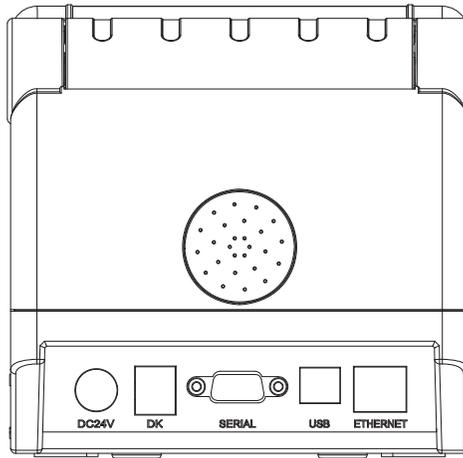
## 3.2. Error indicators

STATUS	POWER	ERROR	PARER	REMARKS
	RED	RED	GREEN	
Power off	OFF	OFF	OFF	Normal power is not supplied to the printer
Power on	OFF	OFF	ON	Normal power is supplied to the printer
ON line	OFF	OFF	ON	Normal error-free mode
Cover open	OFF	ON	ON	Close cover
Paper end	ON	ON	ON	Insert new paper roll
Cutter Jam	ON	OFF	ON	remove the paper.

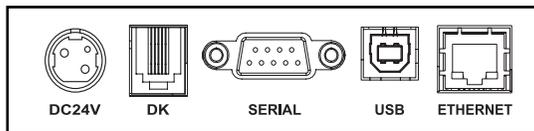
# 4. Installation and use

## 4.1. Connection of printer

- Connect the adapter cable to printer's power interface.
- Connect the interface cable to the back interface of the printer.
- Connect the line of cashier box to the interface of cashier box behind the printer.



SLK-TS100 : USB + Serial + Ethernet

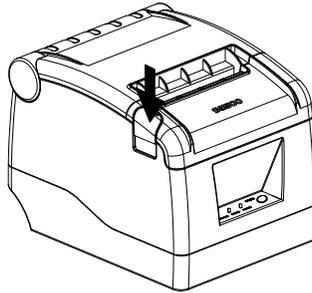


## 4.2 Installation of paper scroll

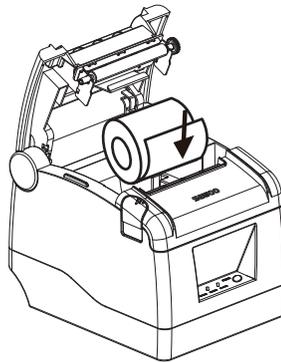
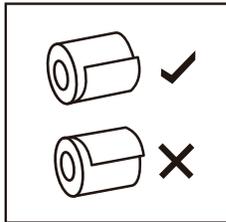
---

Follow the steps below to install the roll paper:

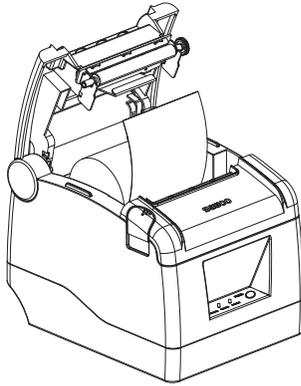
- 1 Open the top cover by pressing the cover open button.



- 2 Install the paper as shown in the following illustration.



**3.** Pull out a small amount of paper, and close the cover.



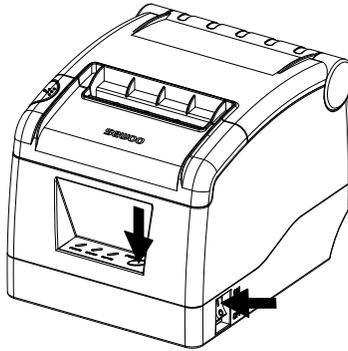
**4** Printer will automatically feed the paper and cut

# 5. Function overview

## 5.1. Self-test instructions

---

1. Please proceed while the printer is turned off (power cord is connected). Press the power button while holding down the feed button. Release it if errors and paper are printed. The printer will automatically print a self-test paper containing the firmware version status and configuration, Config Mode.



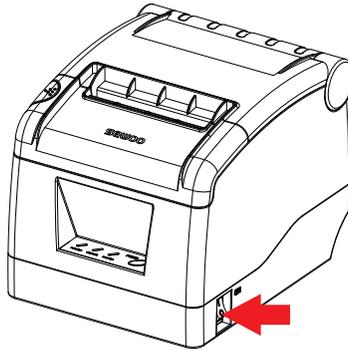
2. In Config Mode, you can set the serial communication speed, print density, and melody type using the Feed button. and melody type. Press the feed button as many times as the number in front of the item you want to set. the number in front of the item you want to set.

3. Run the self-test mode in (1) to proceed. Select 'Hexadecimal Mode' of Config Mode with the FEED button 'Hexadecimal Mode' with the FEED button. After the Config Mode menu is printed, press the FEED button 5 times.

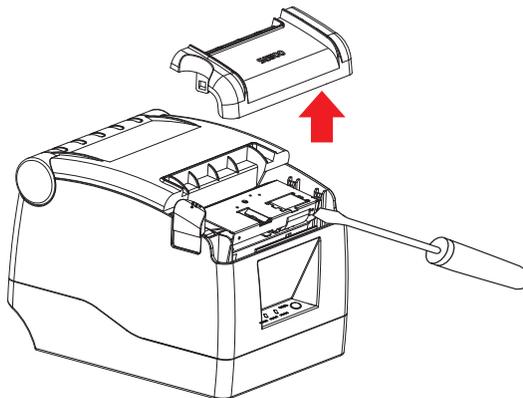
## 5.2. How to resolve cutter paper jams

---

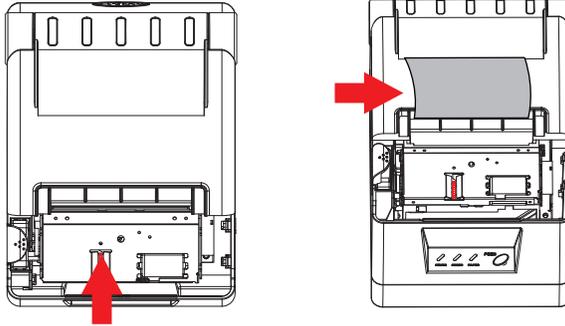
- **Method 1** : Cycle the power to the unit.
- **Method 2** : Turn the printer off.



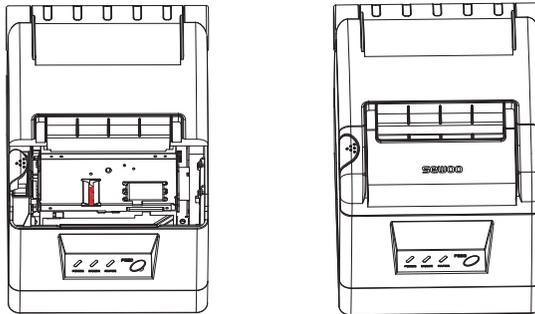
- **Method 2-1** : Use a pointed tool in the gap on the right side to completely remove the cutter cover.



- **Method 2-2** : Turn the white gear on the cutter in the upward direction to remove the jammed paper when the cutter returns to its normal position.



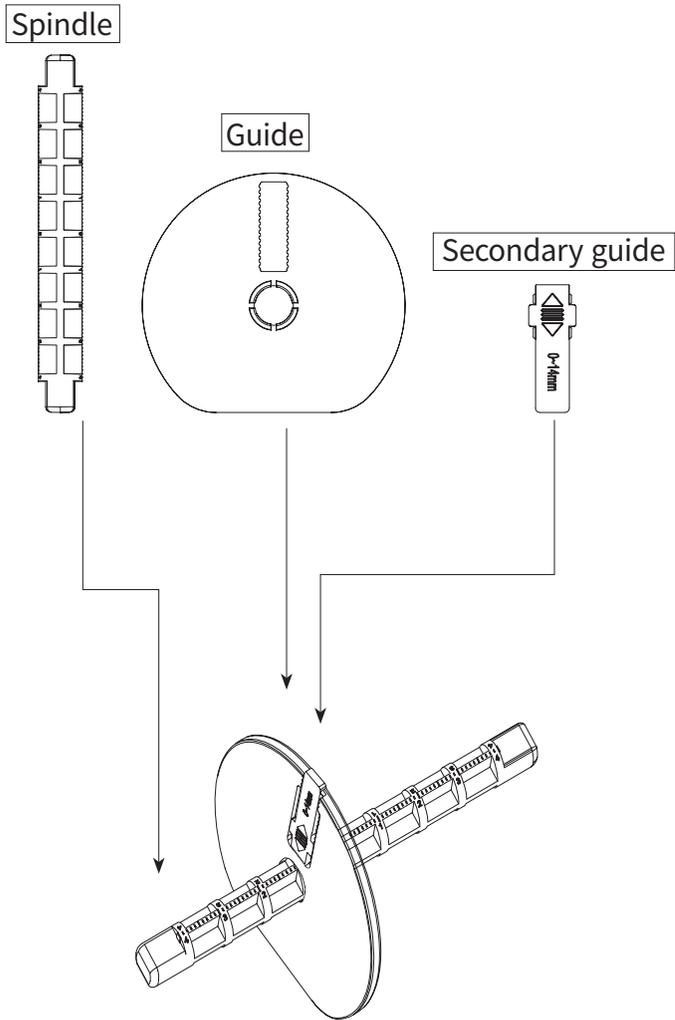
- **Method 2-3** : Once the cutter has returned to its normal position, close the cutter cover and use it.



 **CAUTION**

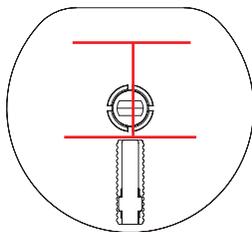
- Do not damage the printhead and auto cutter by forcing the cover open.
- Do not use any kind of tools that could damage cutter unit or other parts of the printer.

## 6. Configuring PaperGuides

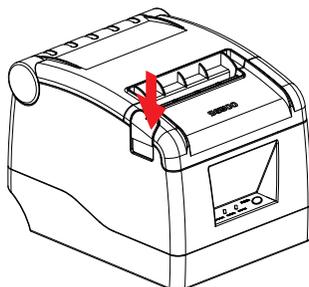


## 7. Adjustment of paper width

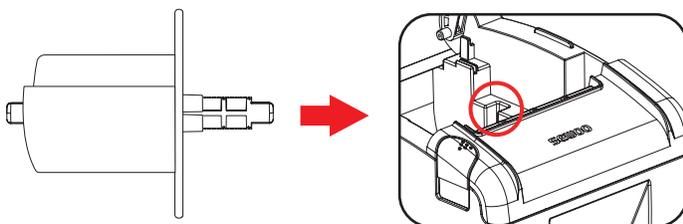
1. Slide the spindle into the gap in the center of the paper guide and assemble it as shown below, making sure to center it and assemble it horizontally.



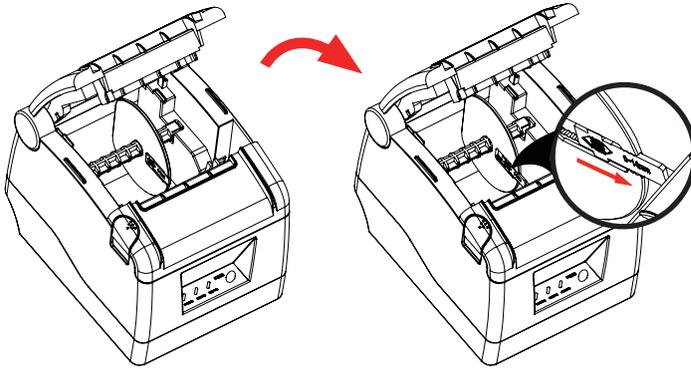
2. Press the Open Cover button to open the cover top..



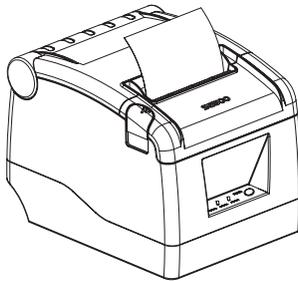
3. Insert the paper into the part assembled in step 1 as shown below, and adjust the paper width by inserting it into the gap inside the printer. gap inside the printer to adjust the paper width.



4. When you're done adjusting, slide the secondary guides on the guides to lock them in place.



5. When installed correctly, close the cover top and use the printer.



## 8. Printer cleaning

### **Cleaning the thermal printhead and Roller**

Clean the thermal printhead on a routine basis, or if one of the below conditions occurs:

- 1 Blurred printing.
- 2 "White" vertical streaks on printed receipt.
- 3 Noise during paper movement.

### **Follow these steps to clean the printhead and roller:**

- 1 Power off the printer and open the roll paper cover. Remove the roll paper, if any.
- 2 If the thermal printhead is hot, wait for it to cool before cleaning.
- 3 Clean the elements of the thermal printhead with a printhead cleaning pen or cleaning swipe made specifically for thermal printhead, or with a cotton swab moistened with an alcohol (isopropyl alcohol) solvent.
- 4 Clean the rubber roller with the solvent.
- 5 Wait till the solvent completely evaporates or dries before inserting the paper roll and closing the top cover. Print self-test page and repeat if necessary as it may take a few cleaning cycles to remove all debris from printhead. If problem persists, contact the party you had purchased the product from, to request service.

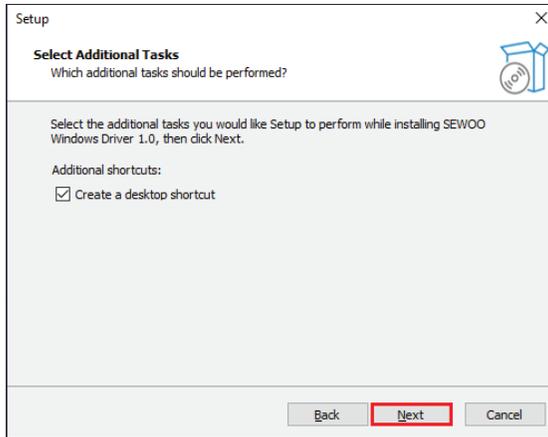
## 9. Driver of the printer

There are two ways to drive the thermal bill printer, one is to install the driver directly with WINDOWS, and the other is to use the port to drive directly.

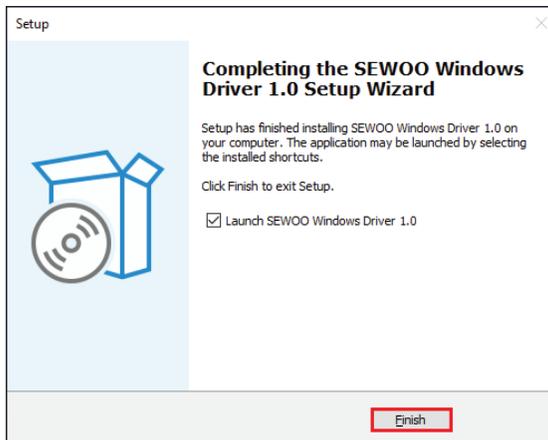
- 1 Double click "SEWOO Windows Driver.exe".
- 2 Select : I accept the agreement.



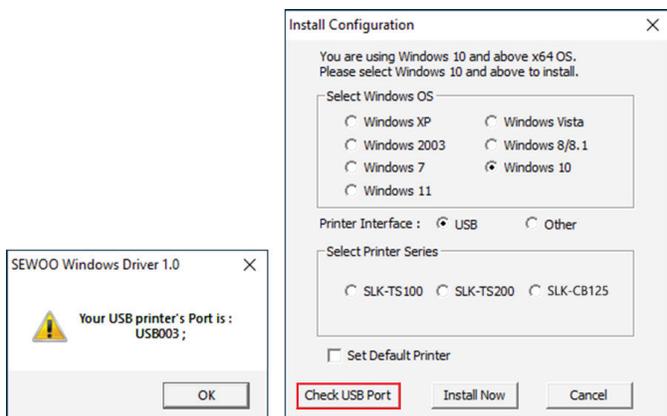
### 3 Create a shortcut on the desktop.



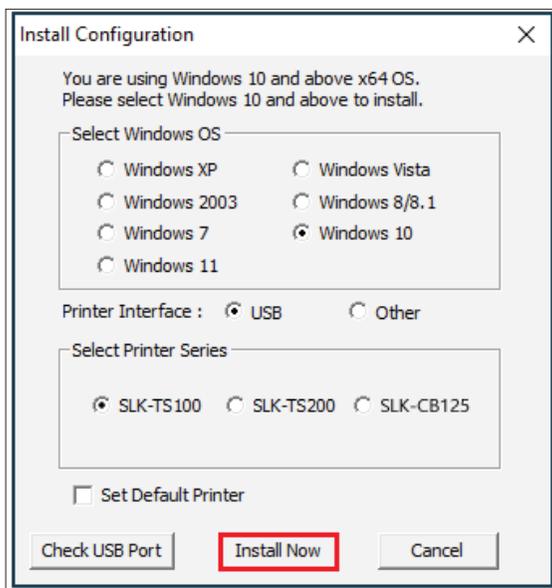
### 4 Setup Completed:



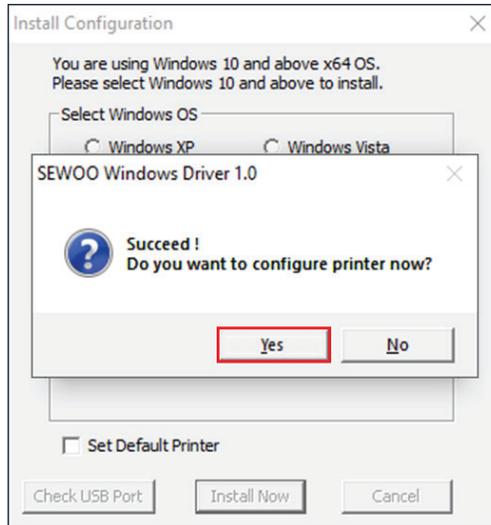
- 5 Select the correct interface port:



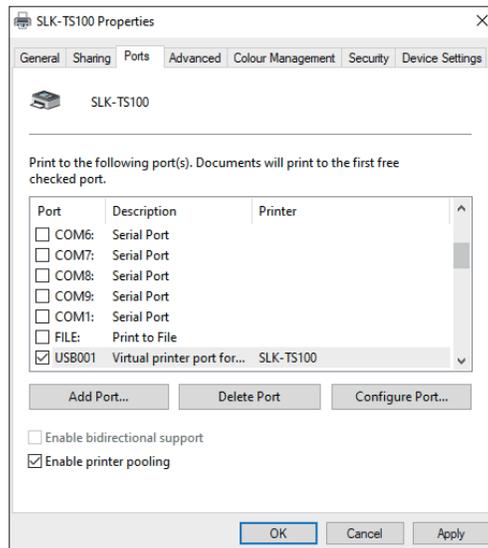
- 6 Select the proper printer series and click "Install Now".



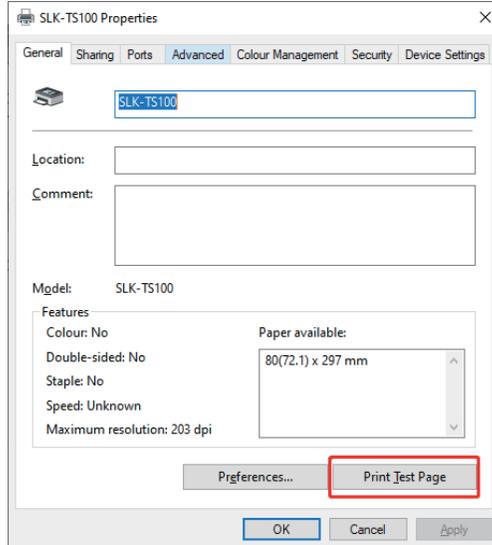
7 Click "Yes" to configure the port.



8 Choose the detected USB00X, click apply, shown as below:



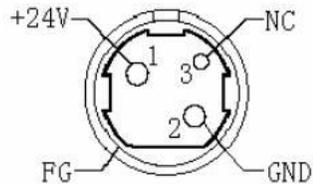
9 Select the "General" tab and then "Print Test Page":



# 10. Printer interface

## 10.1. Power interface

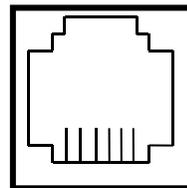
PIN	SIGNAL NAME
1	+24V
2	GND
3	N.C
SHELL	F.G



## 10.2. Cash-box interface

Cash-box control : 6-wire RJ-11 socket, output DC24V/1A power signal to drive the cash-box for action.

PIN	SIGNAL NAME
1	FGND
2	Drawer 1
3	SW
4	CASH
5	Drawer 2
6	GND

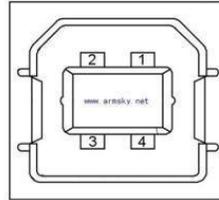


654321

### 10.3. USB interface

---

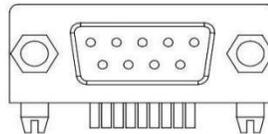
PIN	SIGNAL NAME
1	VBUS
2	D- (DATA-)
3	D+ (DATA+)
4	GND



### 10.4. Serial interface

---

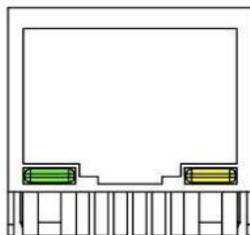
PIN	SIGNAL NAME
1	-
2	TXD
3	RXD
4	-
5	GND
6	DSR
7	-
8	CTS
9	-



## 10.5. Ethernet interface

---

PIN	SIGNAL NAME
1	TD+
2	TD-
3	RD+
4	TXC
5	RCT
6	RD-
7	-
8	-
9	GREEN+
10	GREEN-
11	YELLOW+
12	YELLOW-



# 11. Specifications

Printing Method		Direct Thermal
Printing Speed		220 mm/sec
Resolution		203 DPI
Dot Pitch		0.125mm x 0.125mm
Printing Width		72mm (576 Dots/Line)
Character Per Line	180dpi	Font A - 42 columns Font B - 59 columns
	203dpi	Font A - 48 columns Font B - 64 columns
Barcode	1D	EAN-8, EAN-13, Code 39, Code 93, Code 128, ITF, UPC-A, UPC-E, Codabar
	2D	PDF 417, QR code
Emulation		ESC / POS Command compatible
Driver		Windows Driver(XP ~, Server2003 ~), Linux Driver, Mac Driver, OPOS Driver, JavaPOS Driver
SDK		Android SDK, Windows SDK
Sensor		Paper end, Cover open
Paper	Paper type	Thermal receipt paper
	Width	80mm
	Thickness	0.05 ~ 0.08mm
	Roll Max Diameter	Max. $\varnothing$ 80mm
	Roll Core	12.5mm $\pm$ 0.5mm

Interface	Standard	1 : USB(B type)+Serial(RS-232C_9pin) 2 : USB(B type)+Serial(RS232C_9pin) +Ethernet Built-in 3 : USB(B type)+Serial(RS232C-9Pin)+RJ45(Serial)
Cash drawer		1 circuit(24V, Max. 1A) 2 circuits(24V, Max. 1A)'
Reliability	MCBF	80 Million lines
	TPH Life	100Km
Auto Cutter	Type	Guillotine
	Life	1,500,000 cuts
	Paper Thickness	0.06 ~ 0.08mm
Power	AC	110 ~ 220Vac, 50/60Hz
	DC	24Vdc / 2.5A
Size	WXDXH(mm)	142 x 185 x 136
	WXDXH(inch)	5.59 x 7.28 x 5.35
Weight		1.02kg
Temperature	Operation	0 ~ 45°C
	Storage	-10 ~ 60°C
Humidity	Operation	10 ~ 80%
	Storage	10 ~ 90%



QR Page