# GE300/GE330
# THERMAL LABEL PRINTER
# USER MANUAL


User Manual: GE300 Series
Version : Ver. 2.2
Issue Date : 2024/01/09
P/N : 920-015411-00

# Content

## FCC COMPLIANCE STATEMENT
## FOR AMERICAN USERS

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

## EMS AND EMI COMPLIANCE STATEMENT
## FOR EUROPEAN USERS

This equipment has been tested and passed with the requirements relating to electromagnetic compatibility based on the standards EN 55032:2015/AC:2016 Class B, EN 61000-3-2:2014,EN 61000-3-3:2013, AS/NZS CISPR 32:2015 Class B, EN 55024:2010/A1:2015.

## GE300 SERIES
## TO WHICH THIS DECLARATION RELATES
## IS IN CONFORMITY WITH THE FOLLOWING STANDARDS

EC 60950-1:2005/AMD 1:2009, IEC 60950-1:2005/AMD2:2013,IEC60950-1:2005,
IEC 62368-1:2014
EN 55032:2015/AC:2016 Class B, EN 61000-3-2:2014, EN 61000-3-3:2013, AS/NZS CISPR 32:2015 Class B,
EN 55024:2010/A1:2015. 47 CFR FCC Rules and Regulations Part 15 Subpart B,Class B Digital Device
ICES-003 Issue 6, Class B.
GB17625.1-2012;GB4943.1-2011;GB/T9254-2008
CNS13438(095/06/01),CNS14336-1(099/09/30),CNS 15663

Caution: Equipment is intended for installation in Restricted Access Location. Only instructed persons and skilled persons should be allowed to install, replace, or service this equipment.

Hot parts!
Burned fingers when handing the parts
Wait one-half hour after switching off before handing parts

**Caution**

* Danger of explosion if battery is incorrectly replaced. Replace only with the equivalent type recommended by the manufacturer.
* Dispose of used batteries according to the manufacturer's instructions.
* Only use with designated power supply adapter model.
* Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

# SAFETY INSTRUCTIONS

Please read the following instructions carefully.

1. Keep the equipment away from humidity.
2. Before you connect the equipment to the power outlet, please check the voltage of the power source.
3. Make sure the printer is off before plugging the power connector into the power jack.
4. It is recommended that you connect the printer to a surge protector to prevent possible transient overvoltage damage.
5. Be careful not to get liquid on the equipment to avoid electrical shock.
6. For safety and warranty reasons, ONLY qualified service personnel should open the equipment.
7. Do not repair or adjust energized equipment under any circumstances.

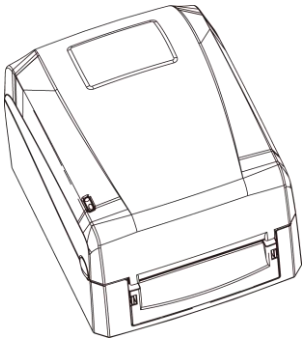
# 1 Barcode Printer

## 1.1 Box Content

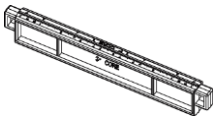
**Please check that all of the following items are included with your printer.**

* Package content and Logo style may vary per region.

• GE300 Thermal Label Printer

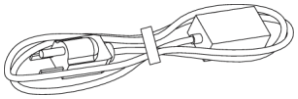


· Label Supply Module
Label Supply Hub

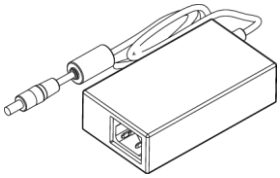


· Ribbon Module
Empty Ribbon Core

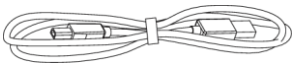
· Power Adapter
Power Cord



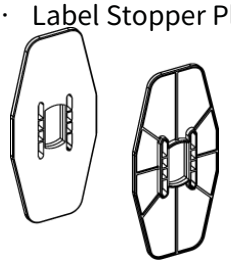
· AC Adapter



· USB Cable



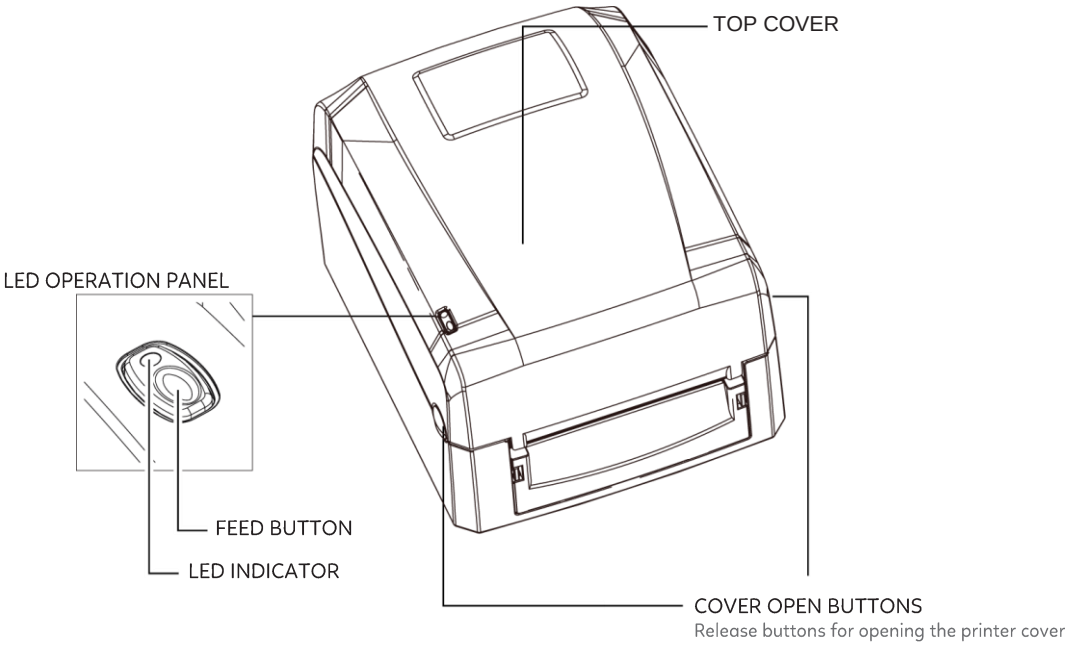
· Label Stopper Plate



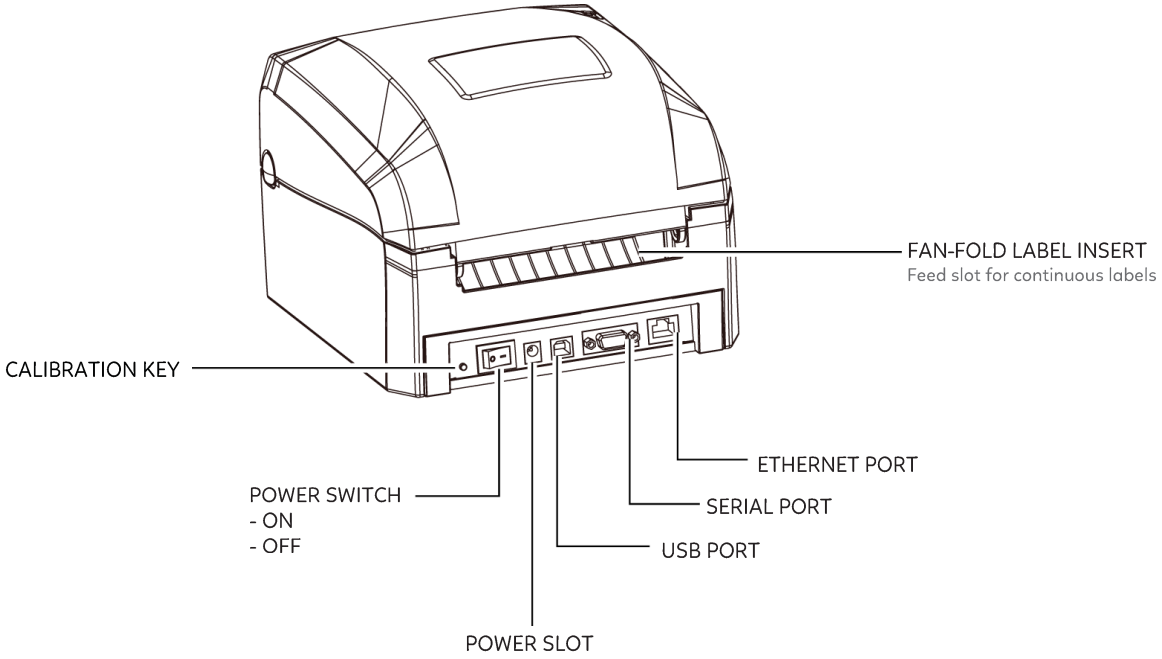
· GE300 Quick Guide

## 1.2 Getting To Know Your Printer

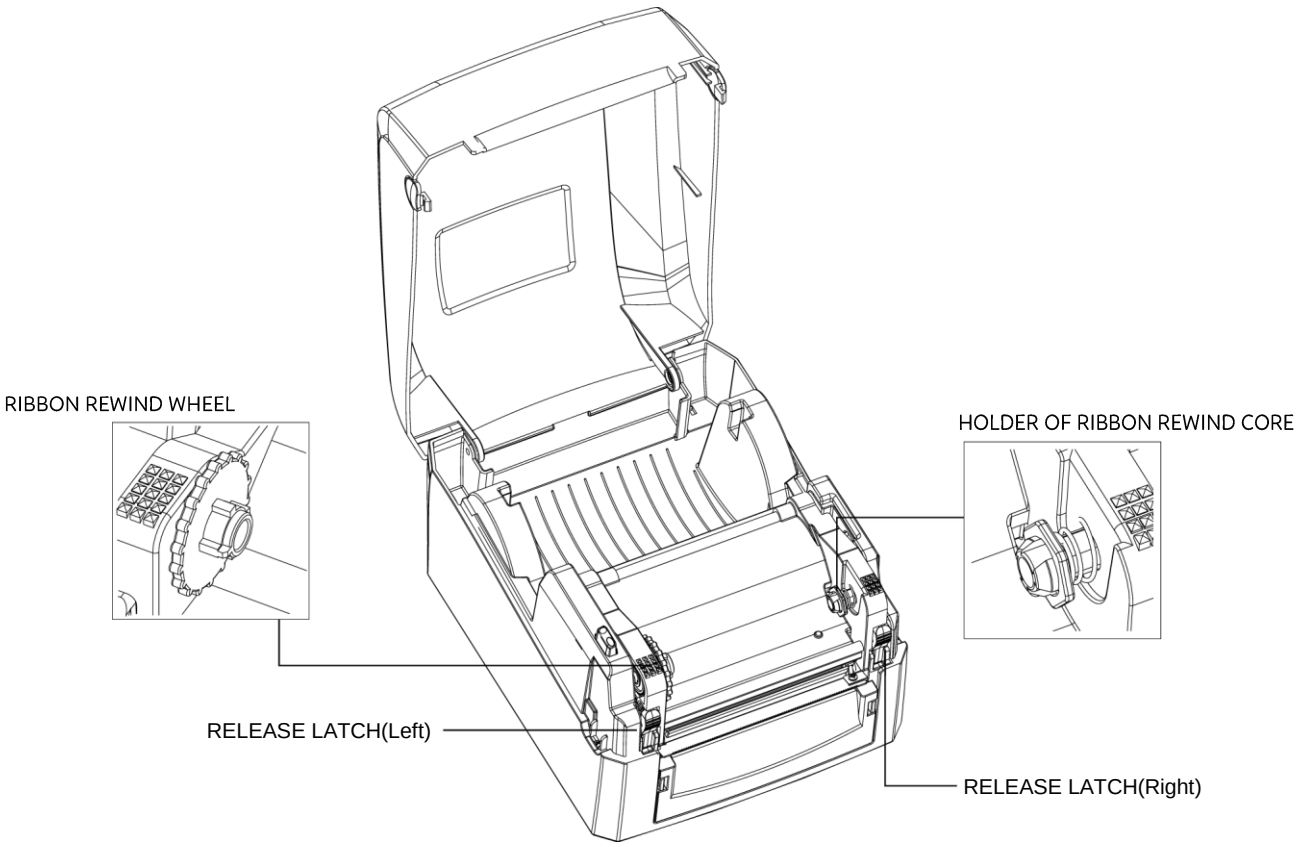
- Device Overview



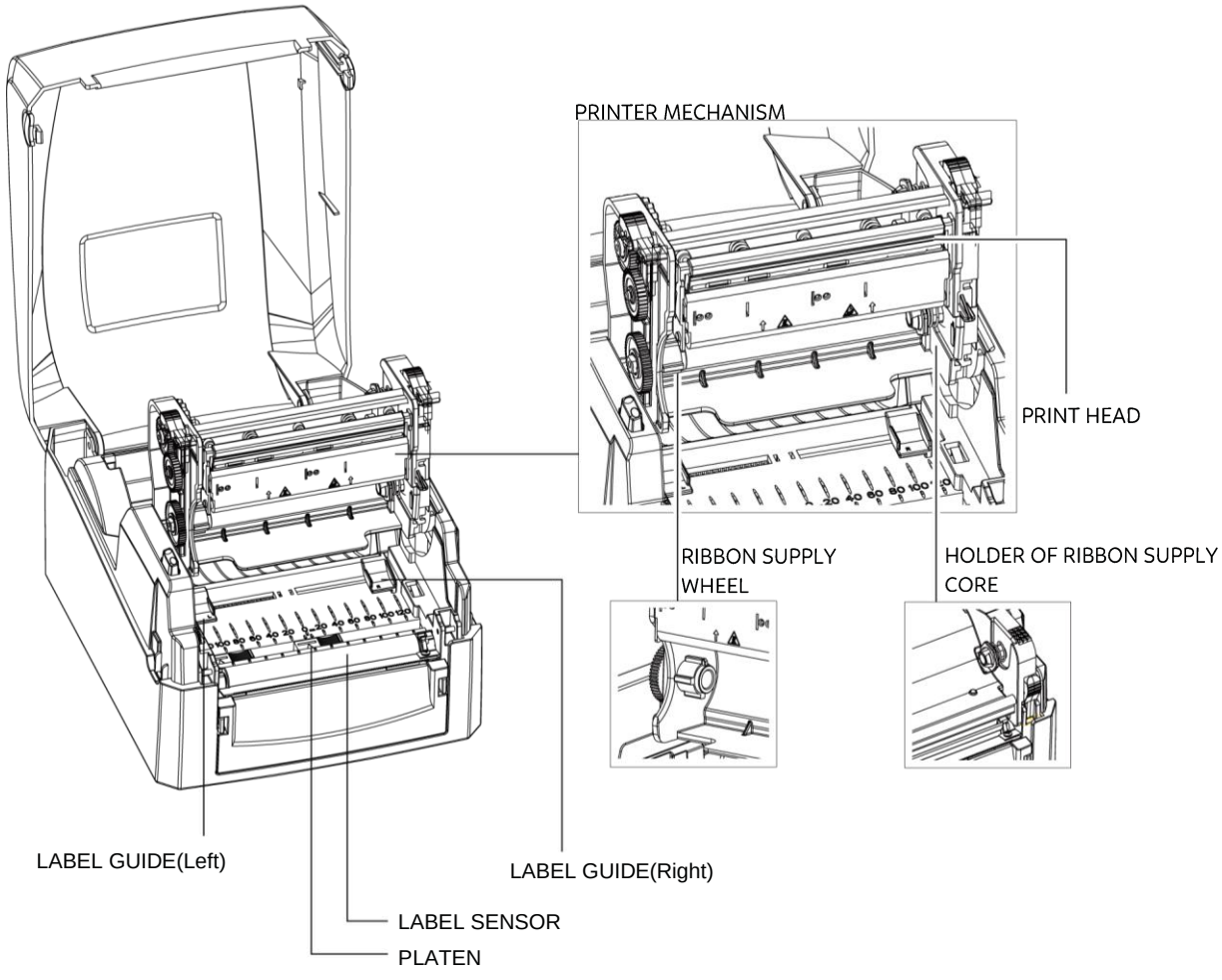

- Rear View



## Open The Printer Cover




## Open The Printing Mechanism

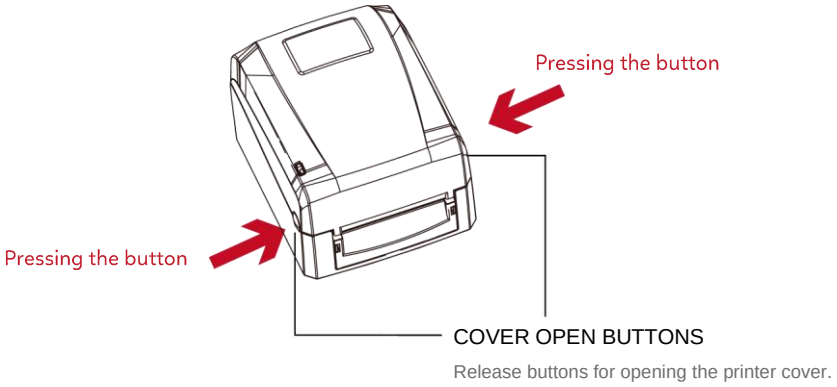


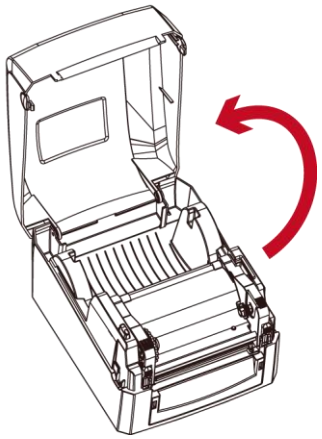
# 2 Printer Setup

## 2.1 Open The Printer Cover

**Pressing The Cover Open Buttons**

Place the printer on a flat surface. Open the printer cover by pressing the release buttons on both sides of the printer housing and lift the cover.

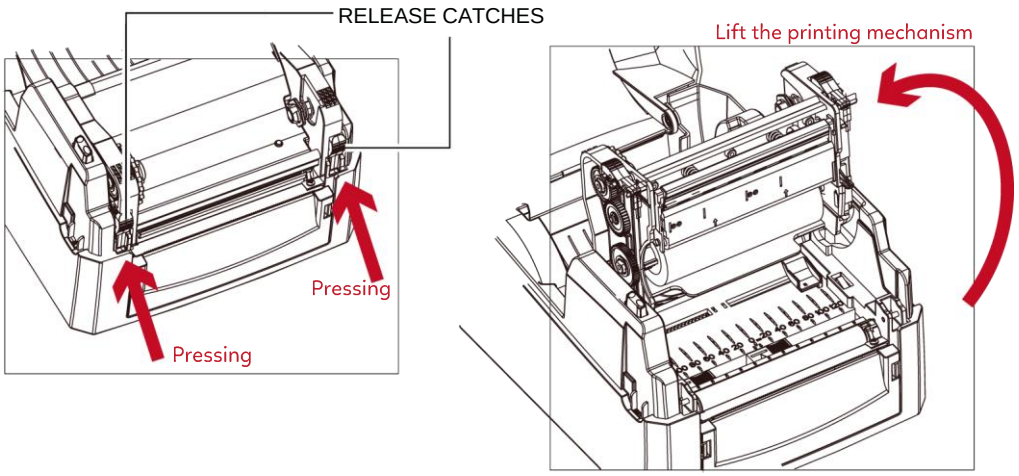


## 2.2 Open The Printing Mechanism

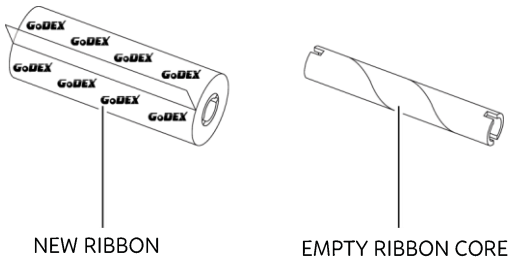
**Pressing The Release Catches**

Release and lift the printing mechanism.

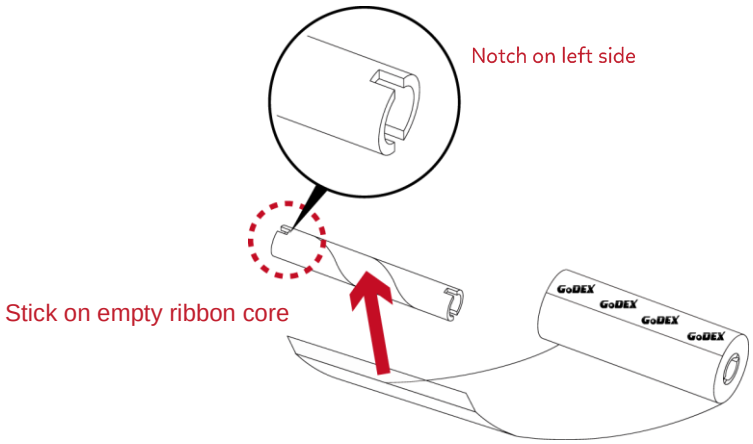


## 2.3 Loading The Ribbon

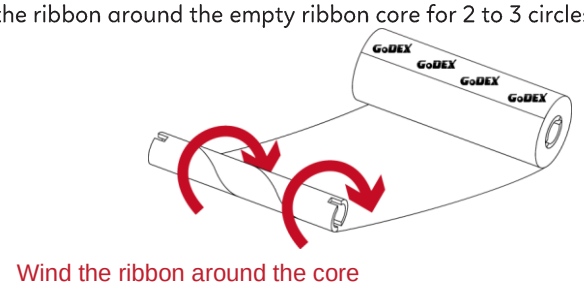
### A New Ribbon Module Installation



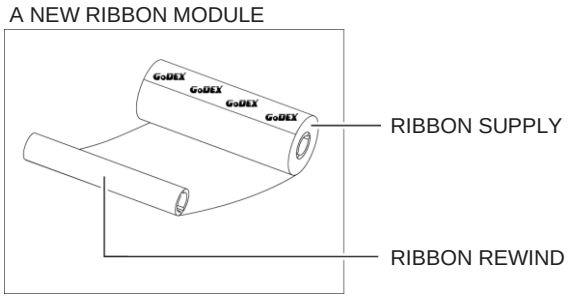

1. Attach the ribbon to the empty ribbon core with the adhesive strip at the end of the ribbon.




2. Wind the ribbon around the empty ribbon core for 2 to 3 circles.

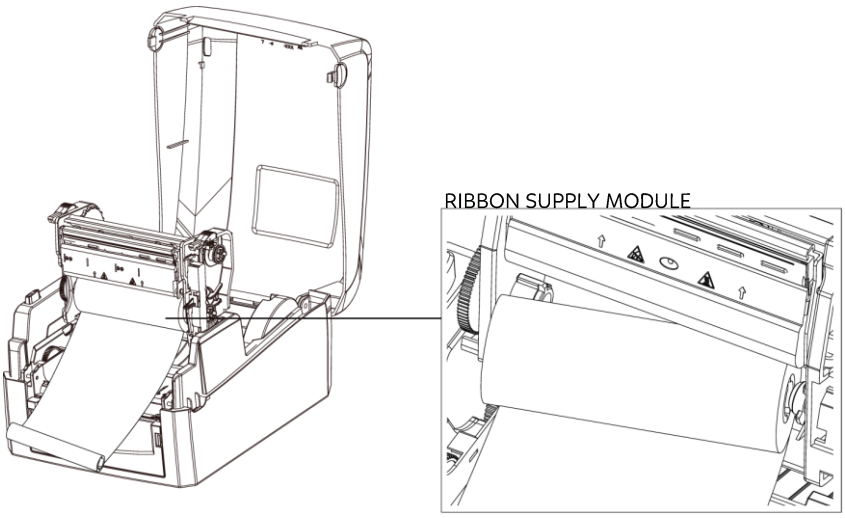



3. A ribbon module is assembled as below.

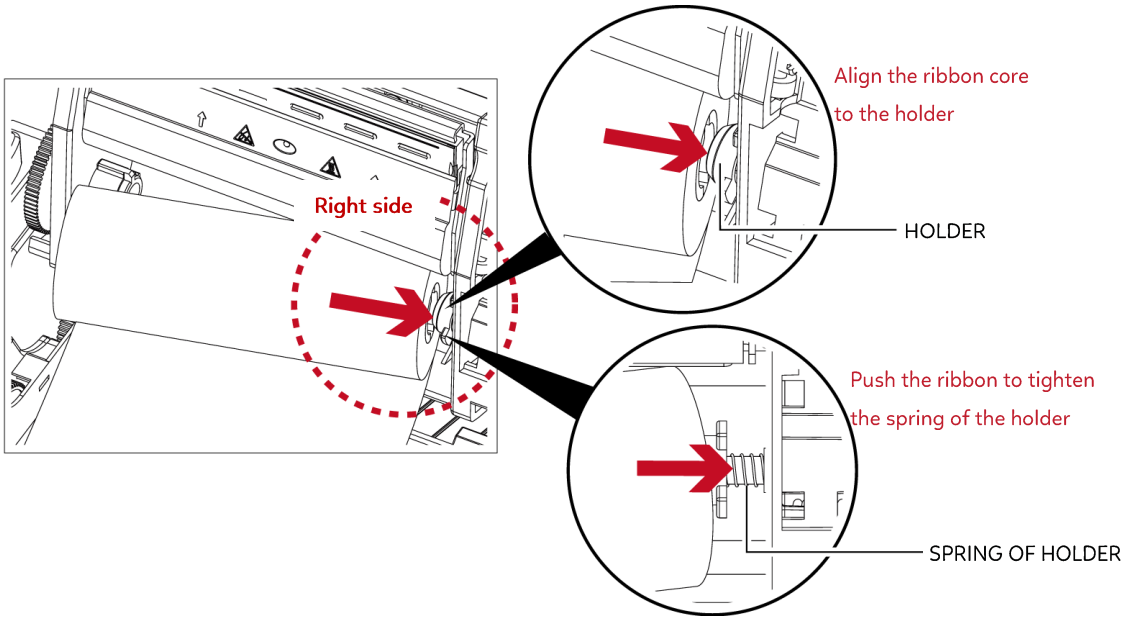


## Load The Ribbon On The Printer

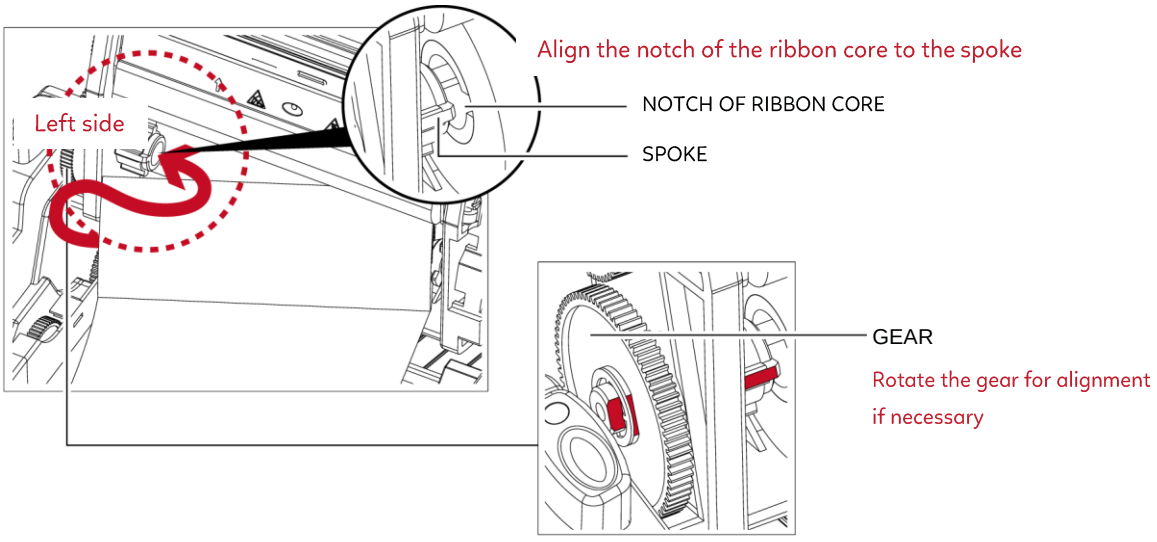
### For Ribbon Supply Module



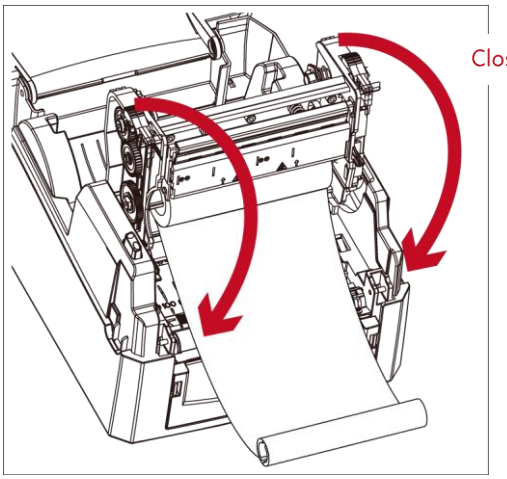

1. Place the right-hand side of ribbon first.




2. Then place the left-hand side of the ribbon.

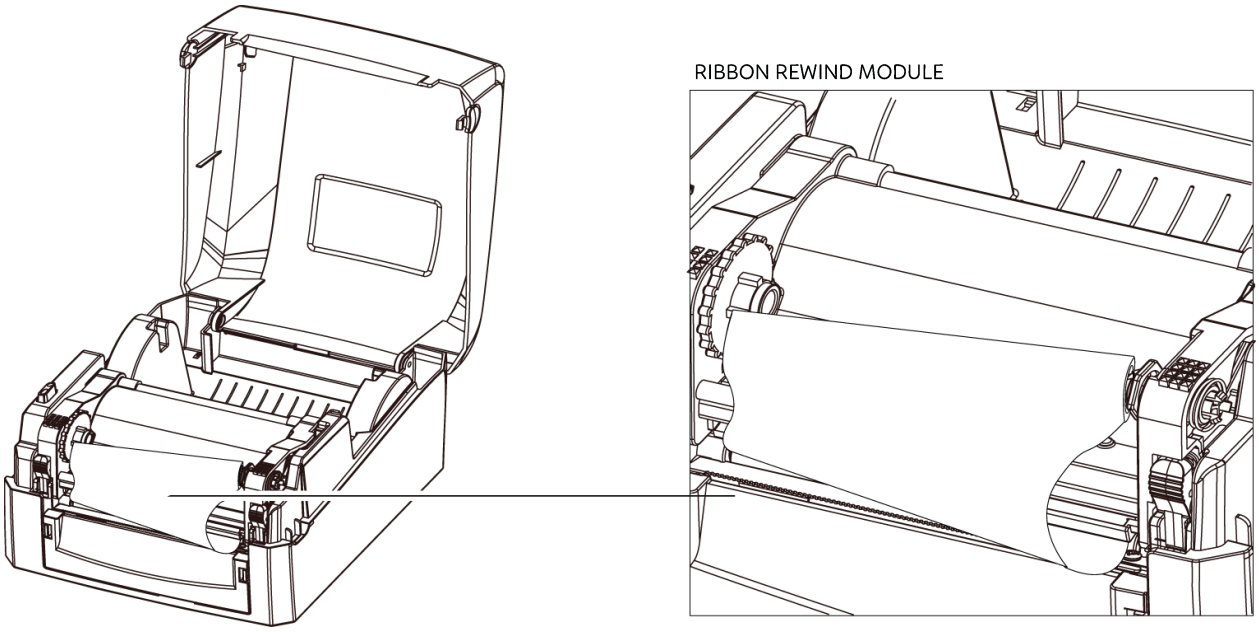


3. Close the printing mechanism to complete the ribbon supply module loading.

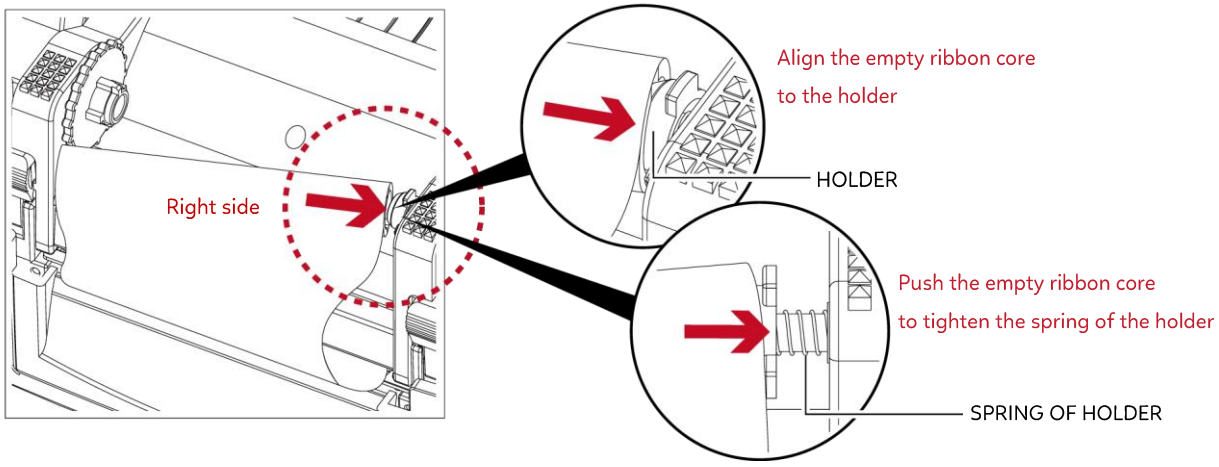



## Load The Ribbon On The Printer

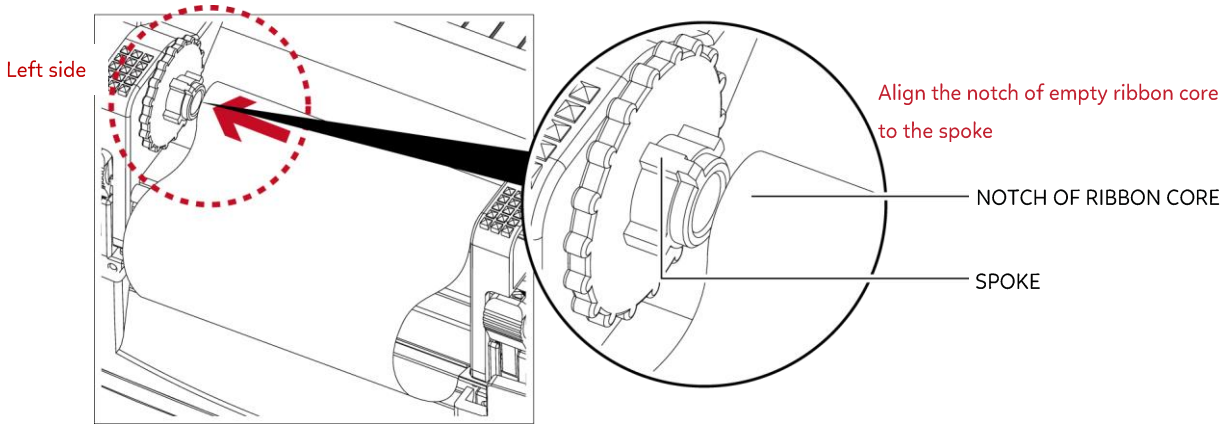
### For Ribbon Rewind Module



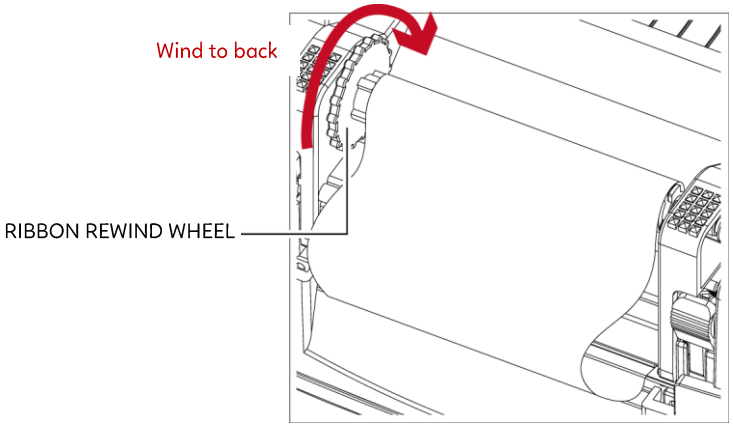

1. Place the right-hand side of empty ribbon core first.



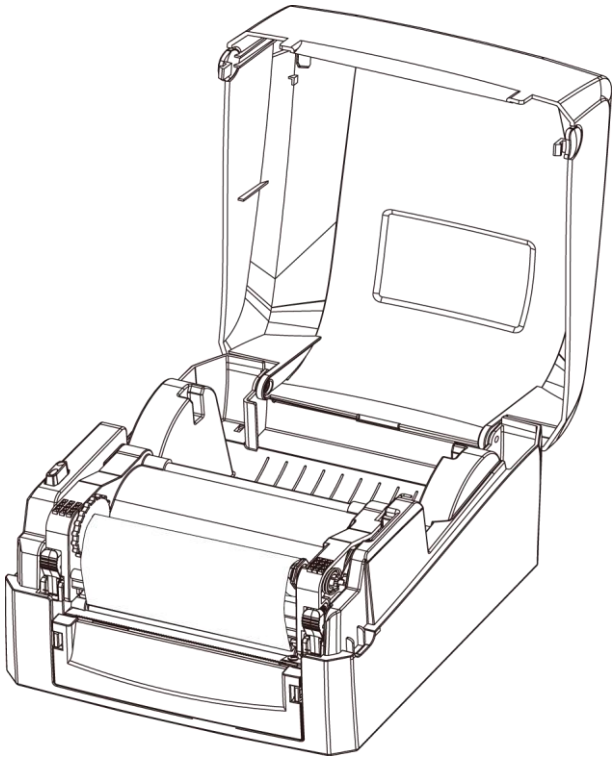
2. Then place the left-hand side of the empty ribbon core.




3. Turn the ribbon rewind wheel to tighten the ribbon until it has no wrinkles.

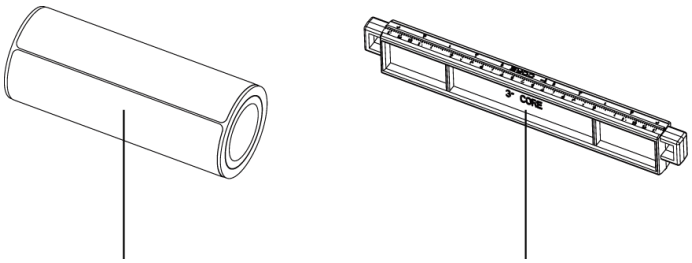



4. Ribbon loading completed.



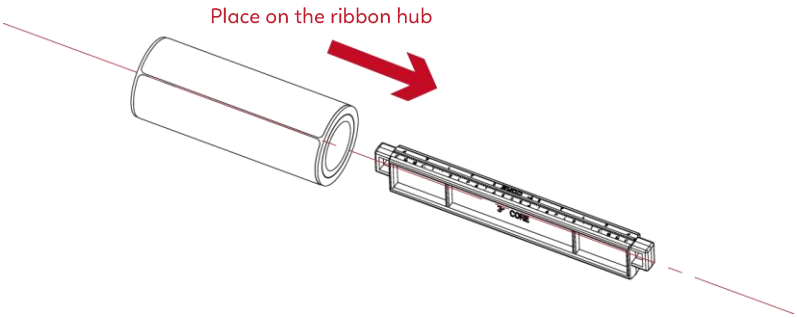
## 2.4 Loading The Label Roll

### A New Label Roll Module Installation



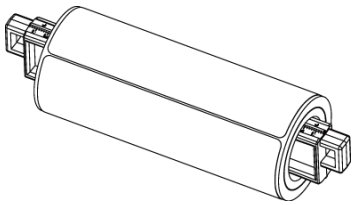

LABEL STOCK LABEL SUPPLY HUB

1. Place the label stock on the label supply hub, attach the label guide plates to the label stock holder.



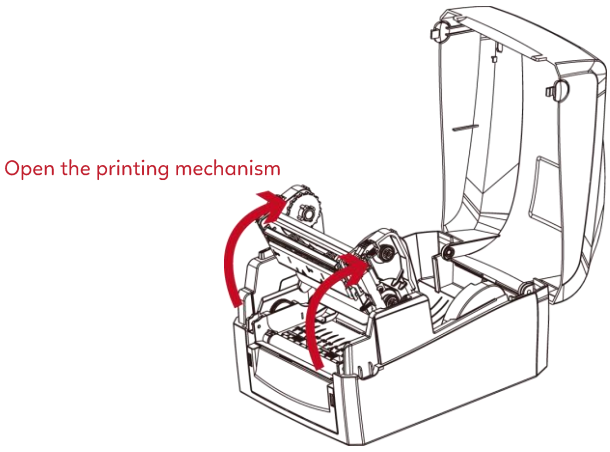

2. A label roll module is assembled as below.

A NEW LABEL ROLL MODULE

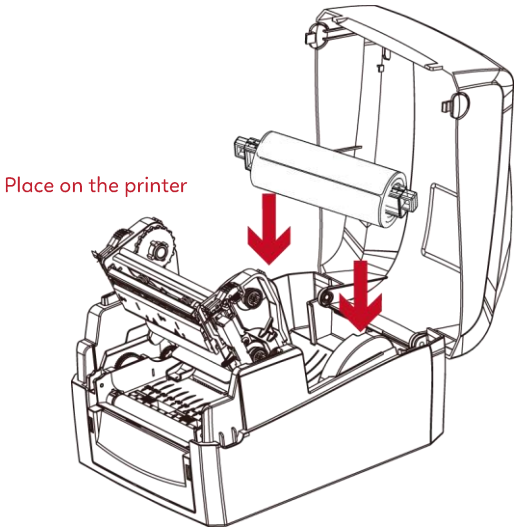


**Load The Label Roll Module On The Printer**

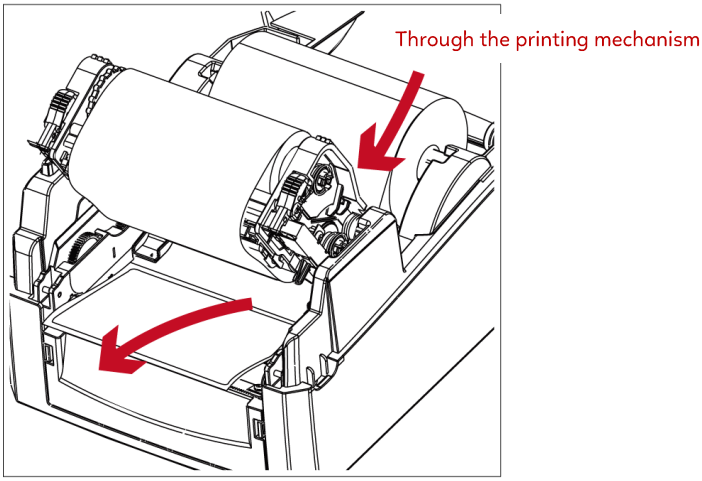
1. Release the printing mechanism and lift it.



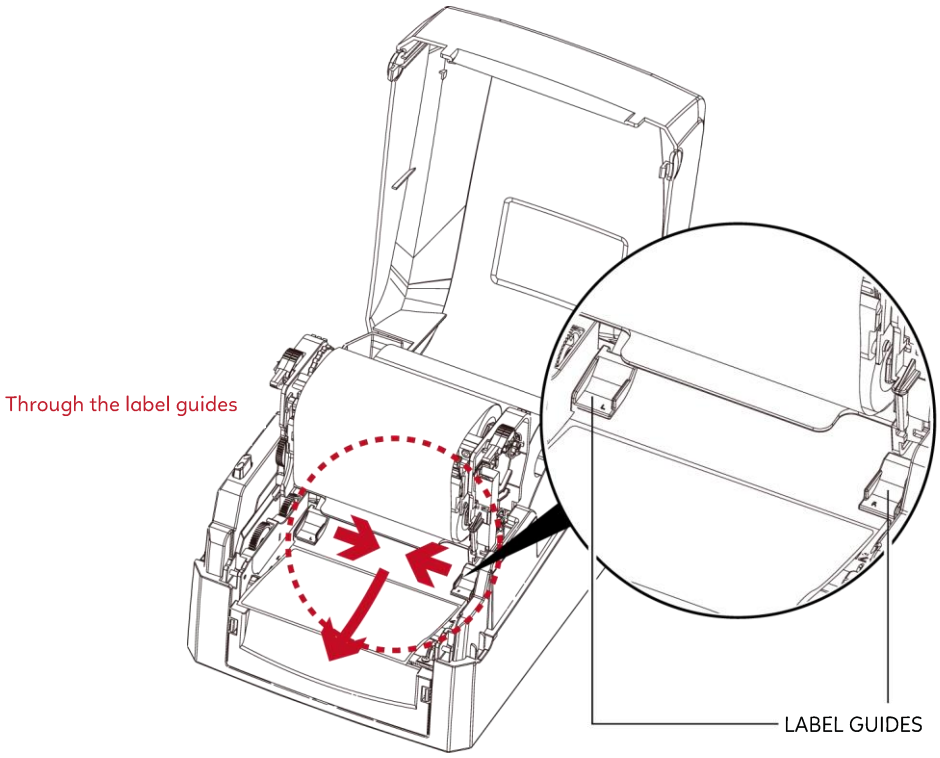

2. Place the label roll module on the printer.



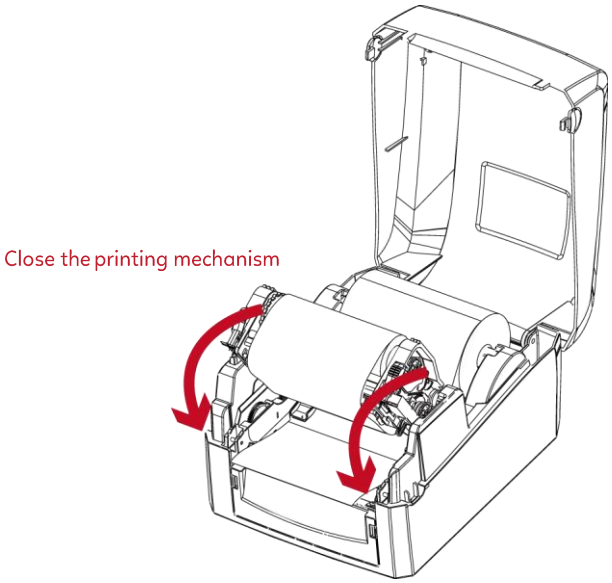

3. Pass the label through the printing mechanism.



4. Pass the label through the label guides and adjust the label guide to the label width. The label guide will help to prevent the label swaying.



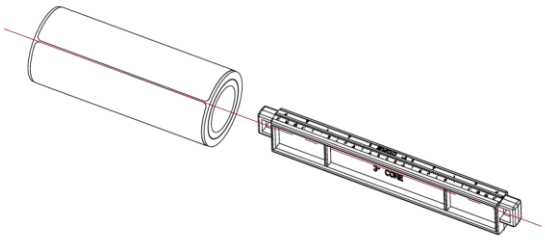

5. Close the printing mechanism and top cover to complete the label loading.

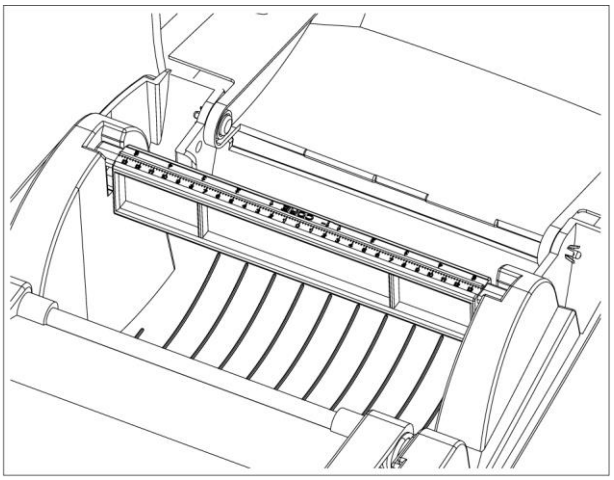


## 2.5 Loading The Label Supply Hub

### 1" Cores

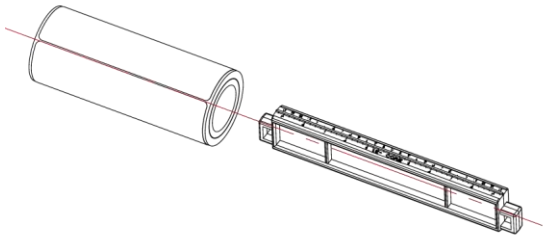
Loading the label supply hub for 1" cores.

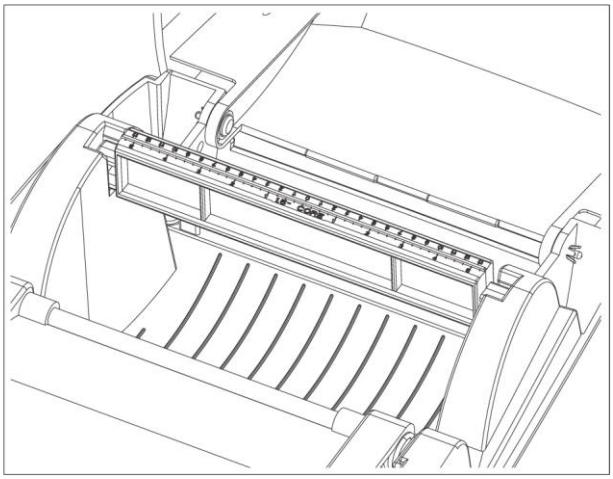




### 1.5" Cores

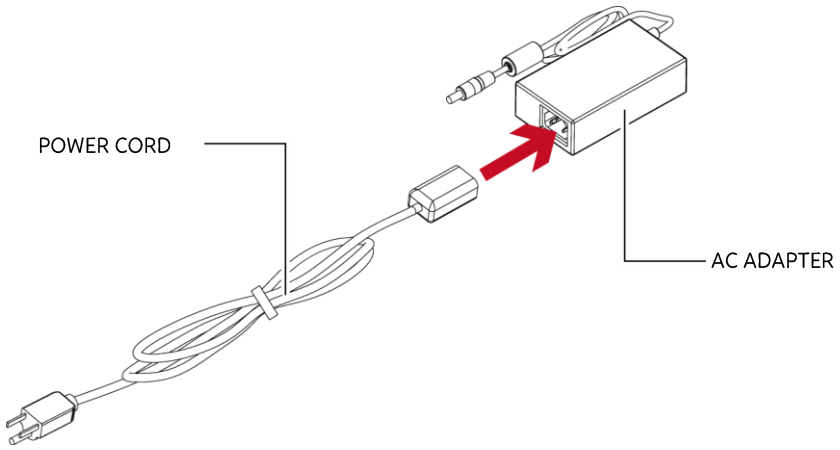
Loading the label supply hub for 1.5" cores.



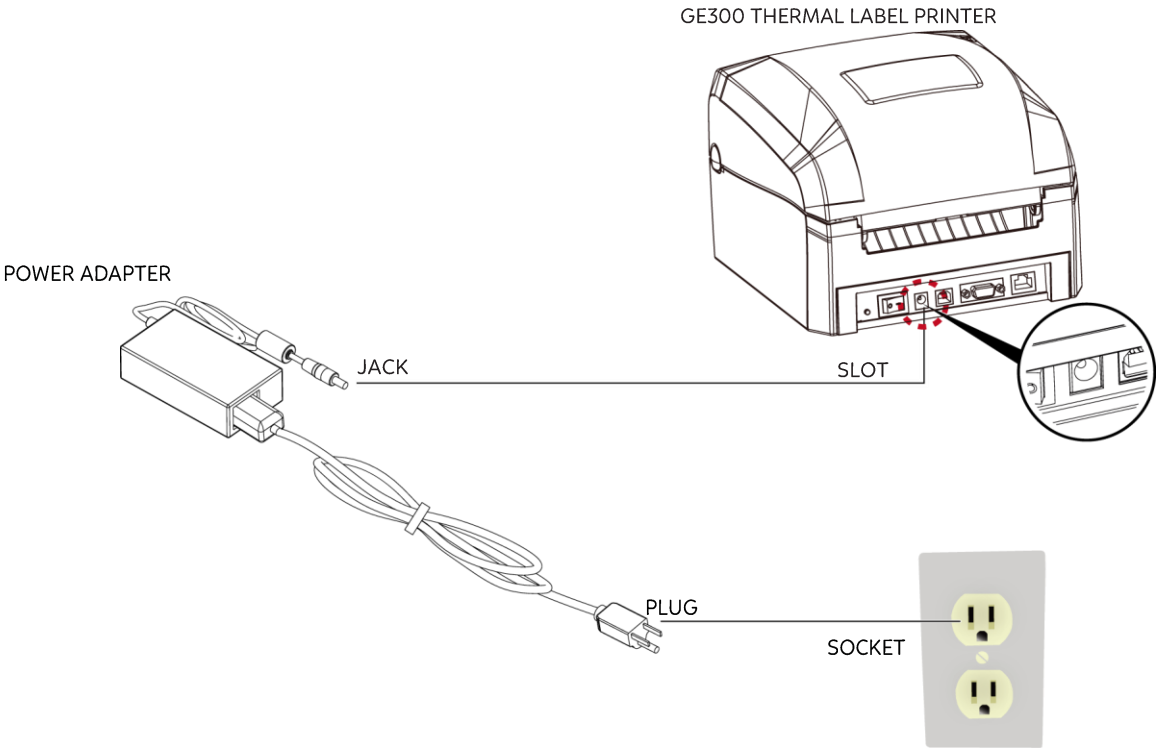


## 2.6 Connecting The Printer To The Host Computer

1. Please make sure that the printer is switched off.
2. Connect the power cord to the AC adapter.

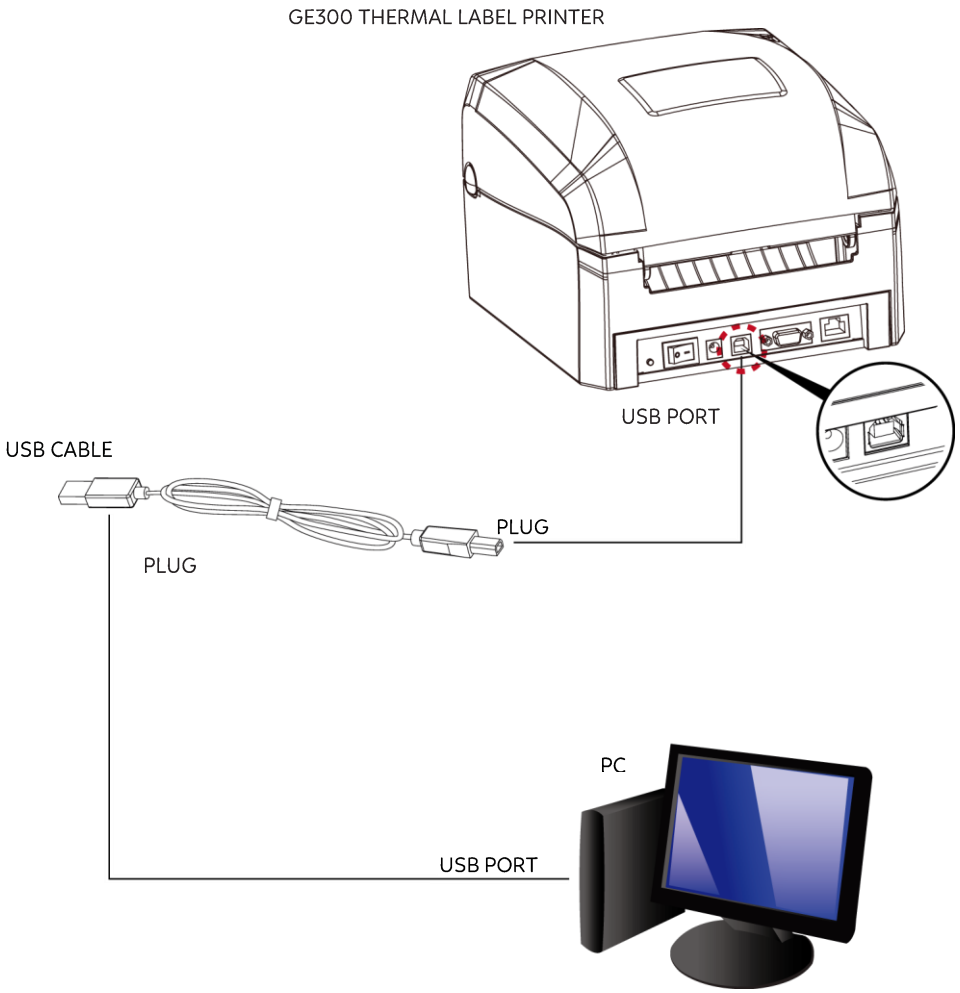



Connect the jack of the power adapter to the printer and connect the plug of the power adapter to the socket of the wall.

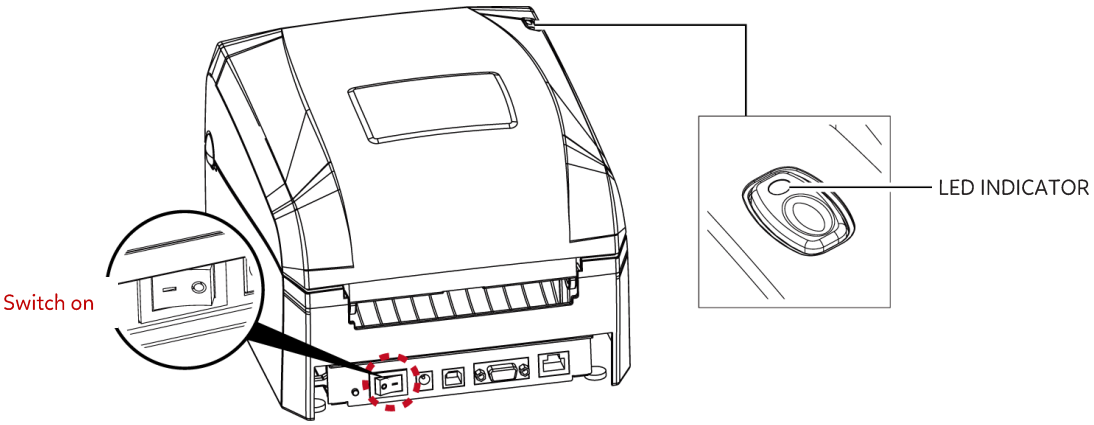



※This equipment must be earthed. The power plug must be connected to a properly wired earth ground socket outlet. An improperly wired socket outlet could place hazardous voltages on accessible metal parts.

3. Connect the USB/parallel cable to the printer and host computer.

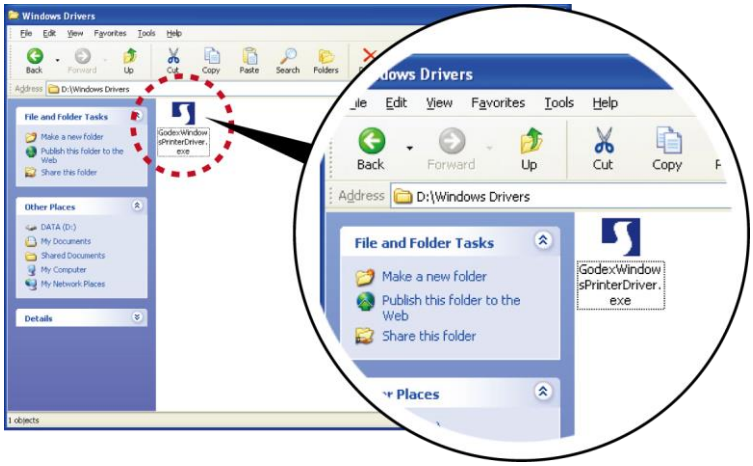



4. Switch on the printer. The LED indicator should now lights up.



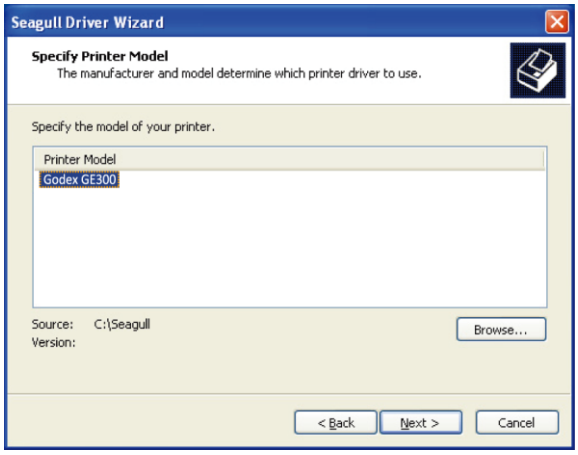
## 2.7 Installing The Driver

1. Insert the product CD in the CD/DVD drive of the host computer and open the "Seagull Drivers" folder on the CD.
   Select the icon for the driver file and click it to start the installation.

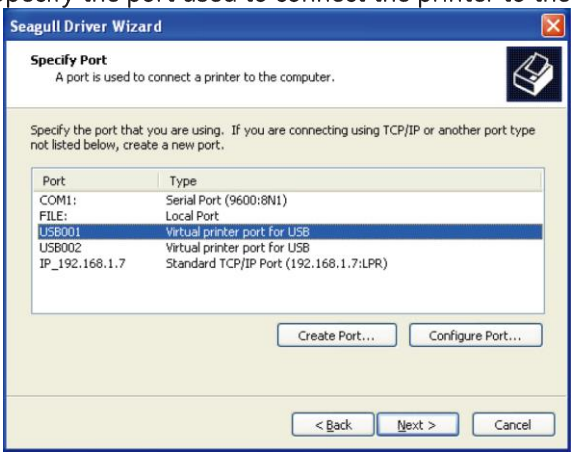



2. Follow the instructions on the screen. The Driver Wizard guides you through the installation procedure.
   Select "Install printer drivers".

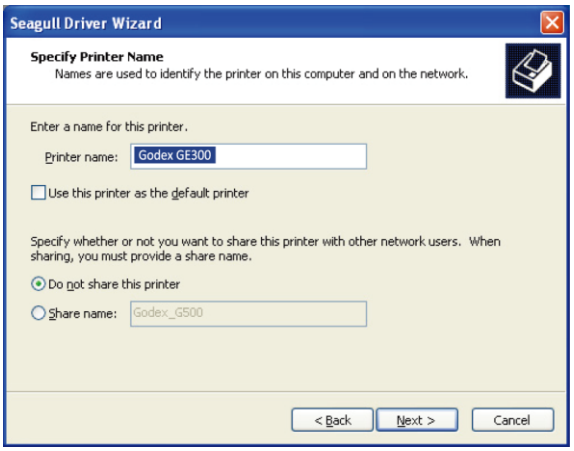

3. Specify your printer model.



4. Specify the port used to connect the printer to the host computer.




5. Enter a printer name and assign the appropriate rights.

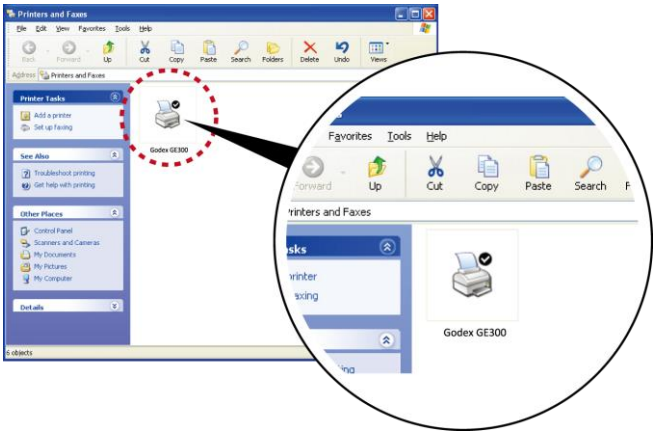



6. Once the installation is complete, a summary of the printer settings is displayed.

   Check whether the printer settings are correct and click "Finish" to start copying the driver files.

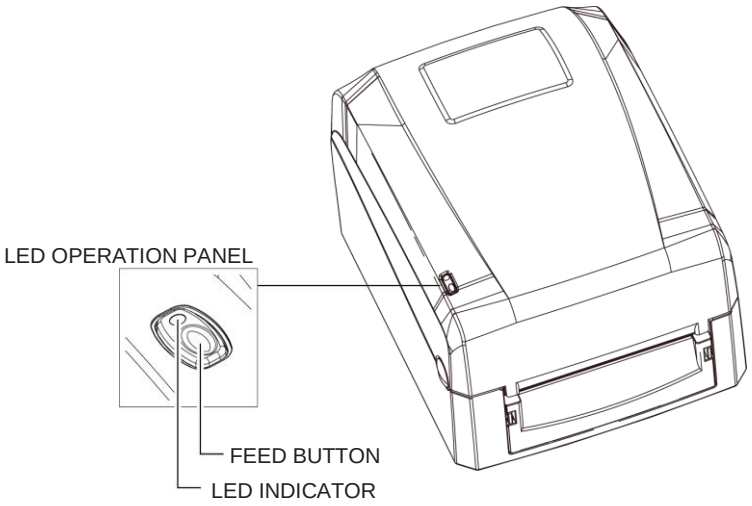
   Wait until copying is complete, then finish the installation.

7. Once the driver installation is complete, the new printer should appear in the "Printers and Faxes" folder.



# 3 Operation Panel

## 3.1 LED Operation Panel




### FEED Button

When you press the FEED button, the printer moves the label to the defined stop position.

If you are using continuous labels, pressing the FEED button will move label stock until you release the button again.

If you are using individual labels, pressing the FEED button will move only one label.

If the label does not stop at the correct position, you need to run the auto-detection function on the label stock, please see Section 3.3 Label Calibration and Self Test.

### LED Indicators

| LED Indicator | Status | Description |
|---|---|---|
| Green | Standby | The printer is ready for operation. |
| Red, Orange | Error | The printer has detected an error.<br>See Section 3-2. Error Alerts. |

## 3.2 Error Alerts

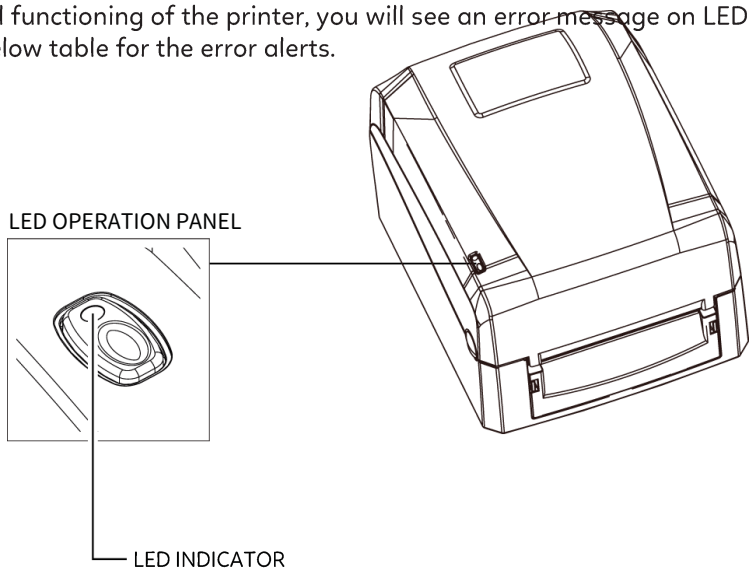
In the event of a problem that prevents normal functioning of the printer, you will see an error message on LED indicators and hear some beep signals. Please refer to below table for the error alerts.

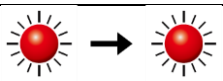
**Error Light**
Color

- Red
- Orange

Flashing Frequency

- Fast Flashing
- Slow Flashing
- Light on




| LED Indicator | Status | Description | Solution |
|---|---|---|---|
|  | Media Error | Unable to detect the paper. | Run the auto-detection function again. |
| | | The ribbon or labels are finished. | Replace the ribbon or label roll. |
|  | | Paper jam. | Possible reasons:<br>The paper feed roller is blocked.<br>No gap or black mark could be detected. |
|  | Settings Error | No ribbon is loaded, but thermal transfer mode is selected as printing mode. | 1. To work in thermal transfer mode, load a ribbon.<br>2. Alternatively, select the direct thermal printing mode. |
|  | Memory Error | The memory is full. The printer also prints the message “Memory full”. | Delete data you no longer need from the printer memory. |
| | | Unable to find file. The printer also prints the message "Filename cannot be found". | Use the “~X4” command to print a list of all existing file names. Check whether the file name is correct. |
| | | File name already exists. The printer also prints the message "Filename is repeated". | Change the name of the file and try storing it on the printer again. |
|  | Print Head Error | The print head temperature is too high. | Wait for the print head to cool down to operating temperature. The printer will then switch to standby mode and the LED will stop flashing. |

## 3.3 Label Calibration and Self Test

### Label Calibration

The printer can automatically detect and store label height.

That means the host computer does not need to transmit the label height to the printer.

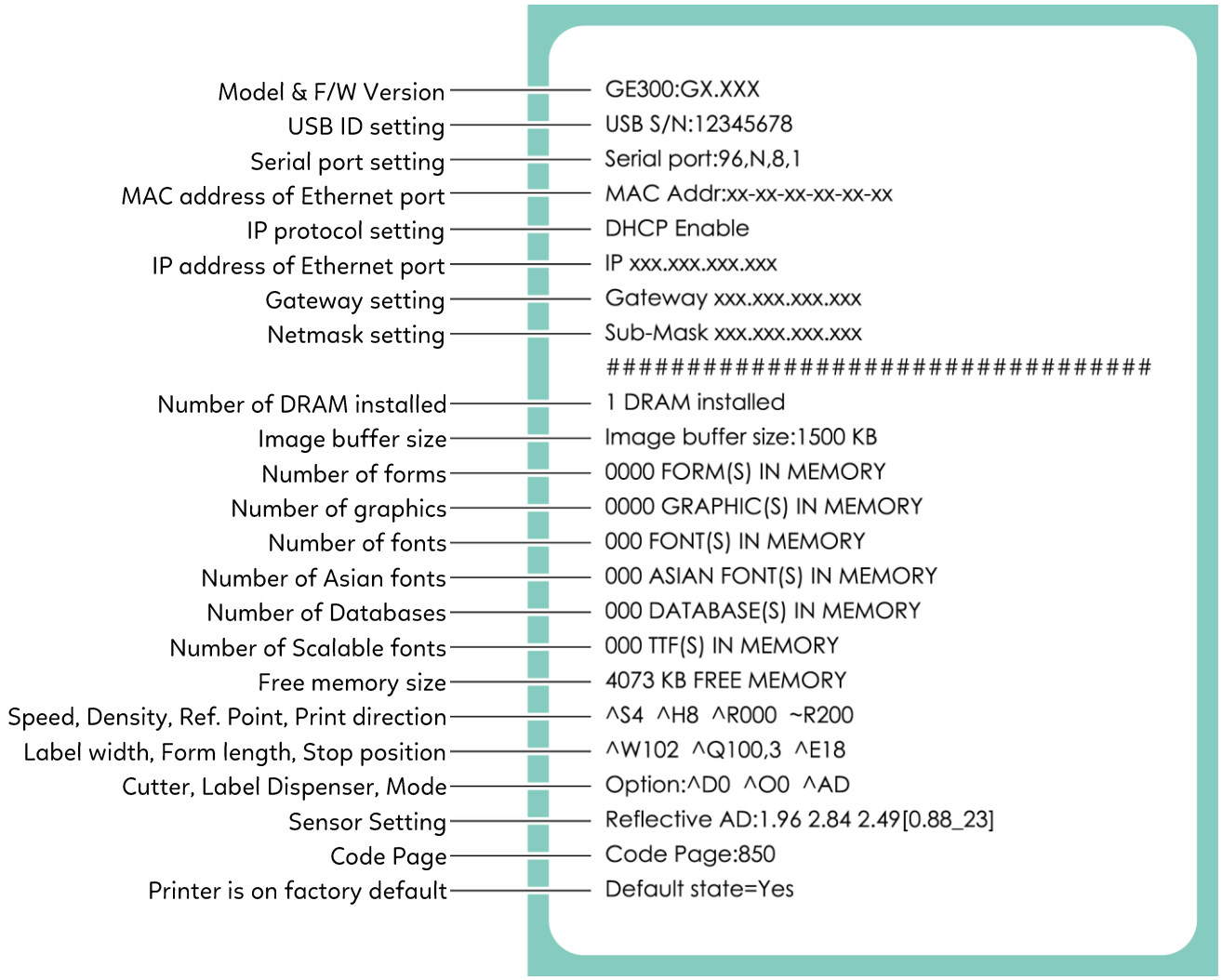
### Self Test

Self-test function lets you check whether the printer is functioning normally.

Here is how you run the label size calibration and self test.

1. Check that the label stock is loaded correctly.
2. Switch off the printer.
3. Switch the printer on again, keeping the FEED button pressed. When the LED starts to flash red, release the FEED button.
   The printer will now measure the label stock and store the label height.
4. Once the printer has successfully measured the label stock, it will print a self-test label.

The contents of a self-test printout are listed below.

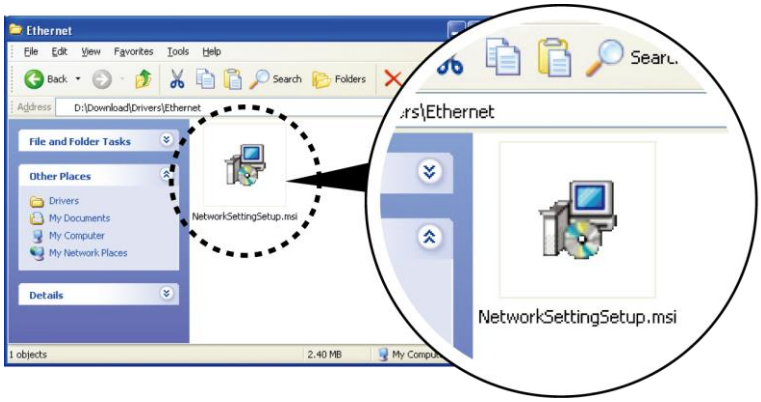


# 4 NetSetting for Ethernet

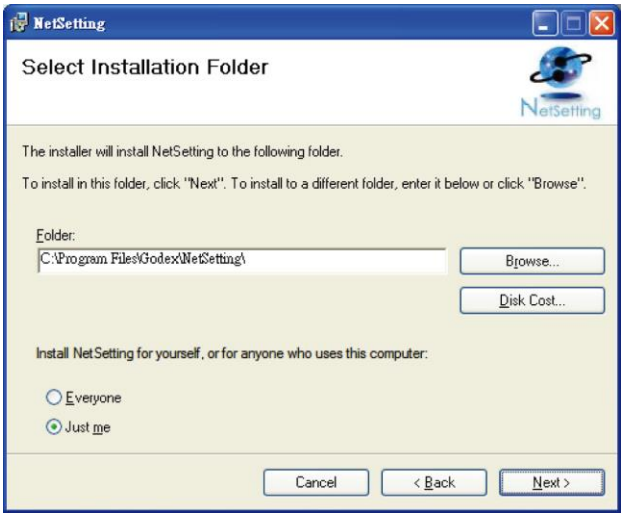
## 4.1 Installing The NetSetting software

The NetSetting software is used to manage the network configurations when connecting the printer via Ethernet port. It is available on product CD or can be downloaded from official website. To install the NetSetting, please follow below steps.

1. Insert the product CD in the CD/DVD drive of the host computer and open the "Ethernet" folder on the CD.
2. Select the icon for the NetSetting installation file and click it to start the installation.



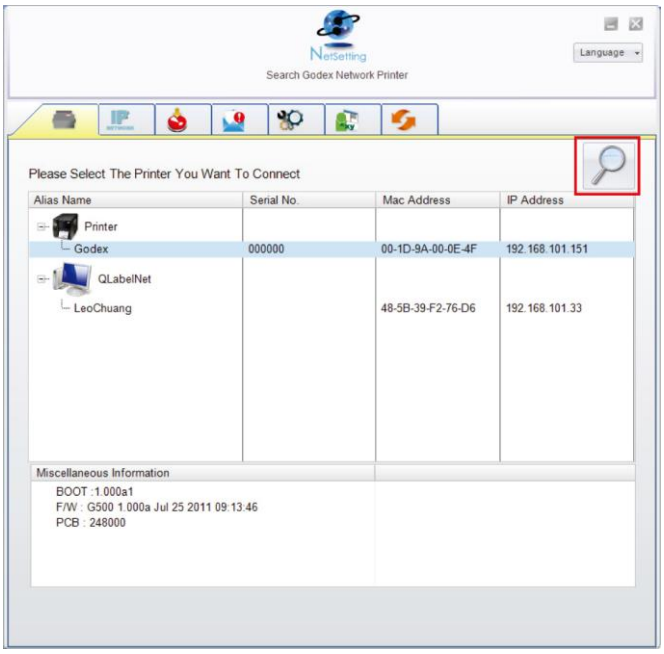

3. Follow the instructions on the screen. The Setup Wizard guides you through the installation procedure.
4. Specify the “Installation Folder".



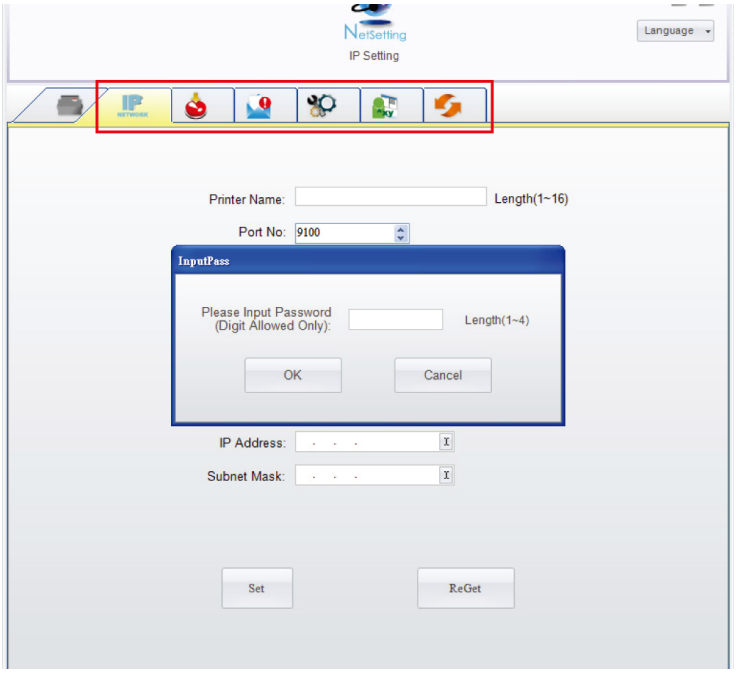

5. Click ”Next” to start the installation.
6. Once the installation is completed; you will see the NetSetting icon on your desktop.

## 4.2 The Interface of NetSetting

Click the NetSetting icon to start the program; you will see the start page as below. The start page will display the basic information of connected printer and your PC.




Click the magnifier icon to search the Godex printers which are connected via Ethernet port in you network environment. Once a connected Godex printer is detected, it will be listed on the start page.



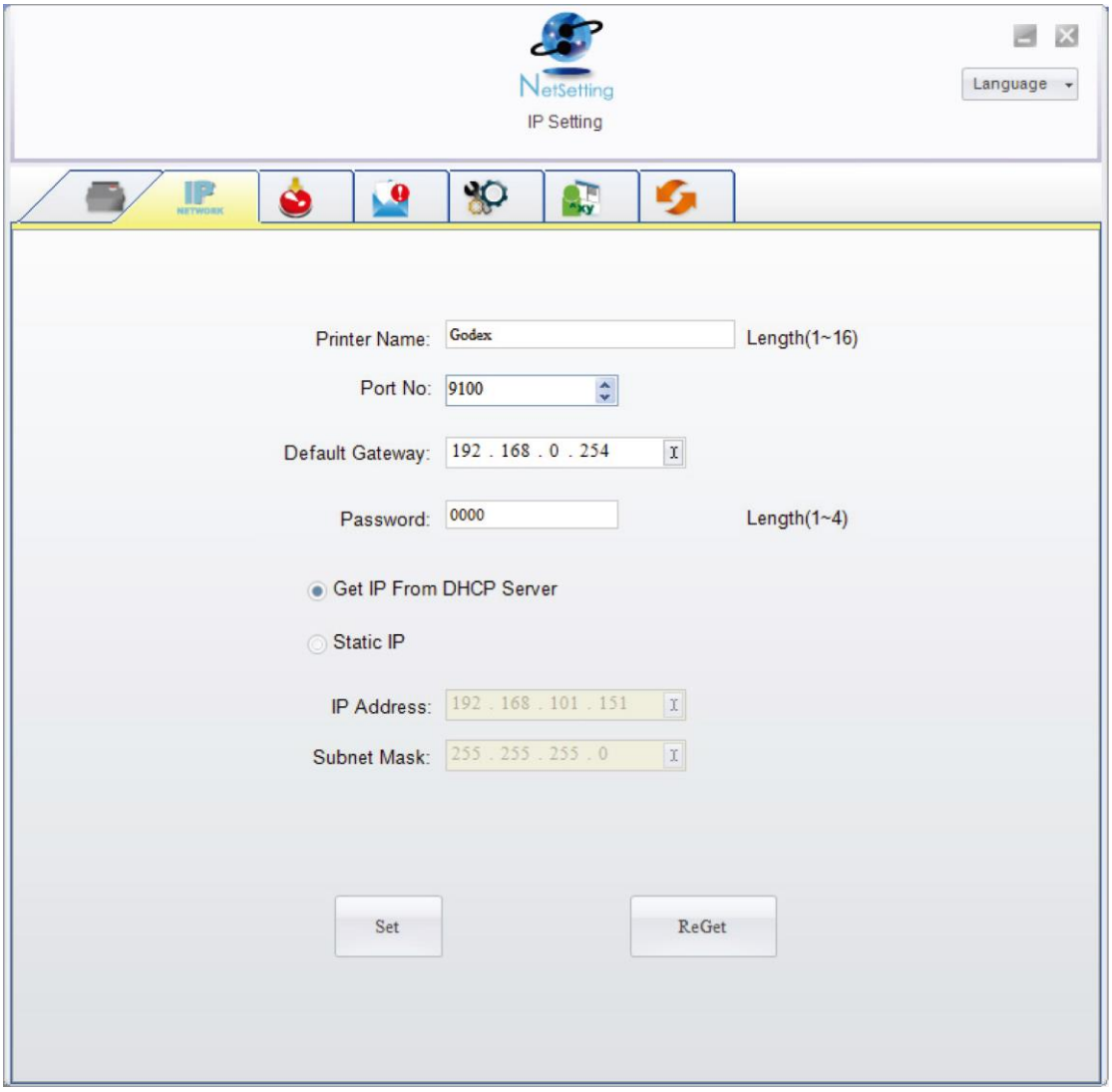

There are six tabs on the top of interface which can configure different types of network settings. But for the data security reason, you need correct password to enter the configuration pages.

**Notice**

* The default password is “1111”, you can change the password later from the “IP Setting” tab.

### IP Setting

The IP Setting tab can change the printer name, Port number, Gateway setting and the password for configuring the printer. You can also set the printer's IP address ether by DHCP or by Static IP.




You can press "Set" button to apply the settings and "ReGet" button to refresh the setting values.

**Notice**

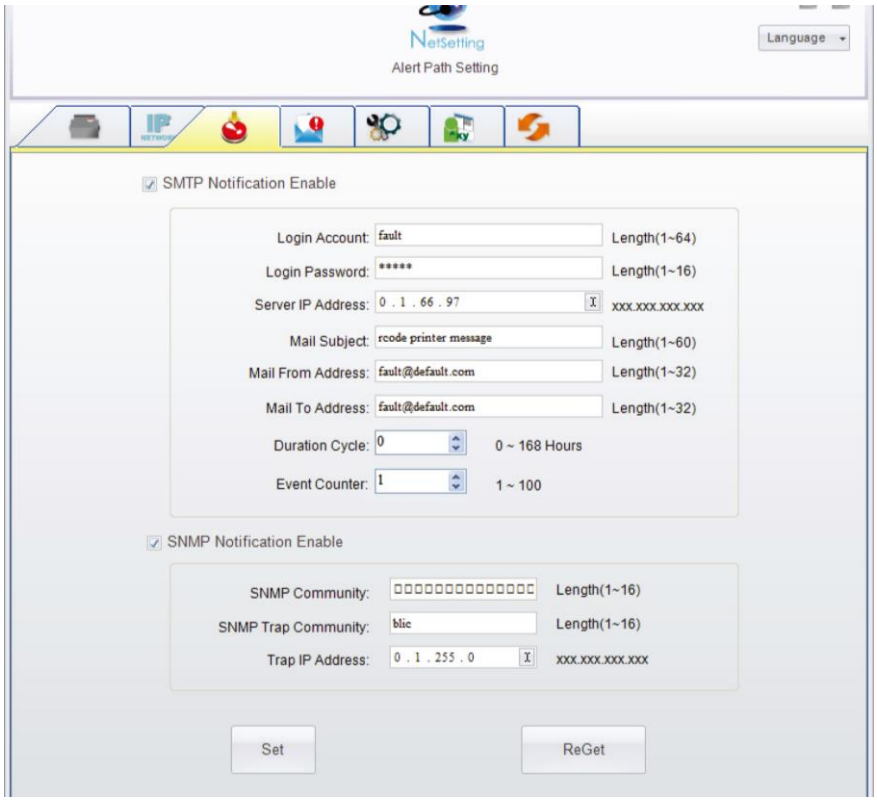
* To fully benefit from the NetSetting software, you should be familiar with basic networking principles. Please contact your network administrator for related network setting information.

* When enabling DHCP, if you find the IP Address as: IP = 169.254.229.88 Netmask = 255.255.0.0 Gateway = invariable (last value), the IP Address is invalid.

### Alert Path Setting

NetSetting will send the alert messages to designated mail account when the error happened on printer. The alert messages are sent by SMTP (Simple Mail Transfer Protocol) or SNMP (Simple Network Management Protocol).

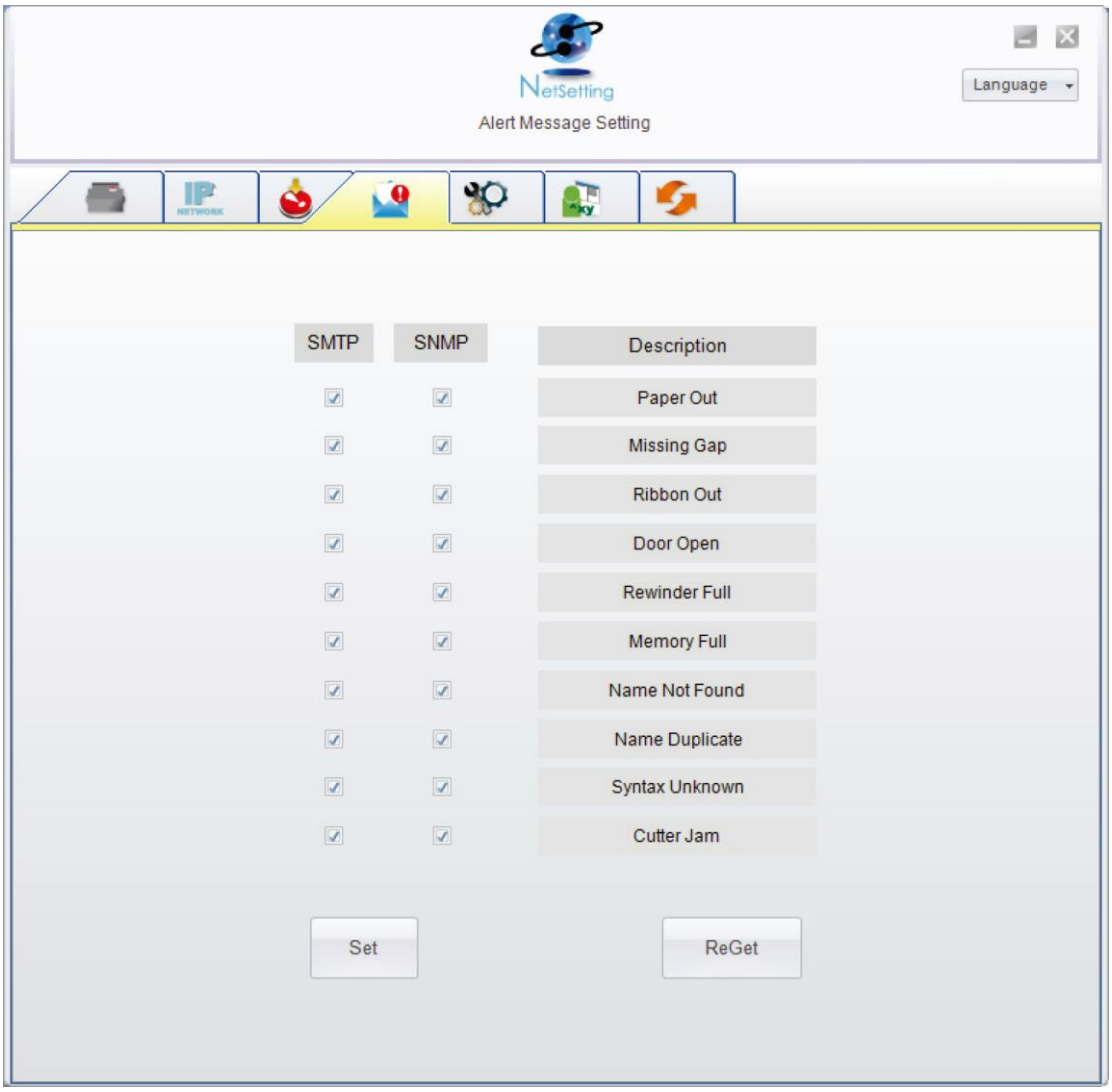
You can set or change the configurations of SMTP and SNMP on this “Alert Path Setting” tab.




You can press “Set” button to apply the settings and “ReGet” button to refresh the setting values.

**Alert Message Setting**

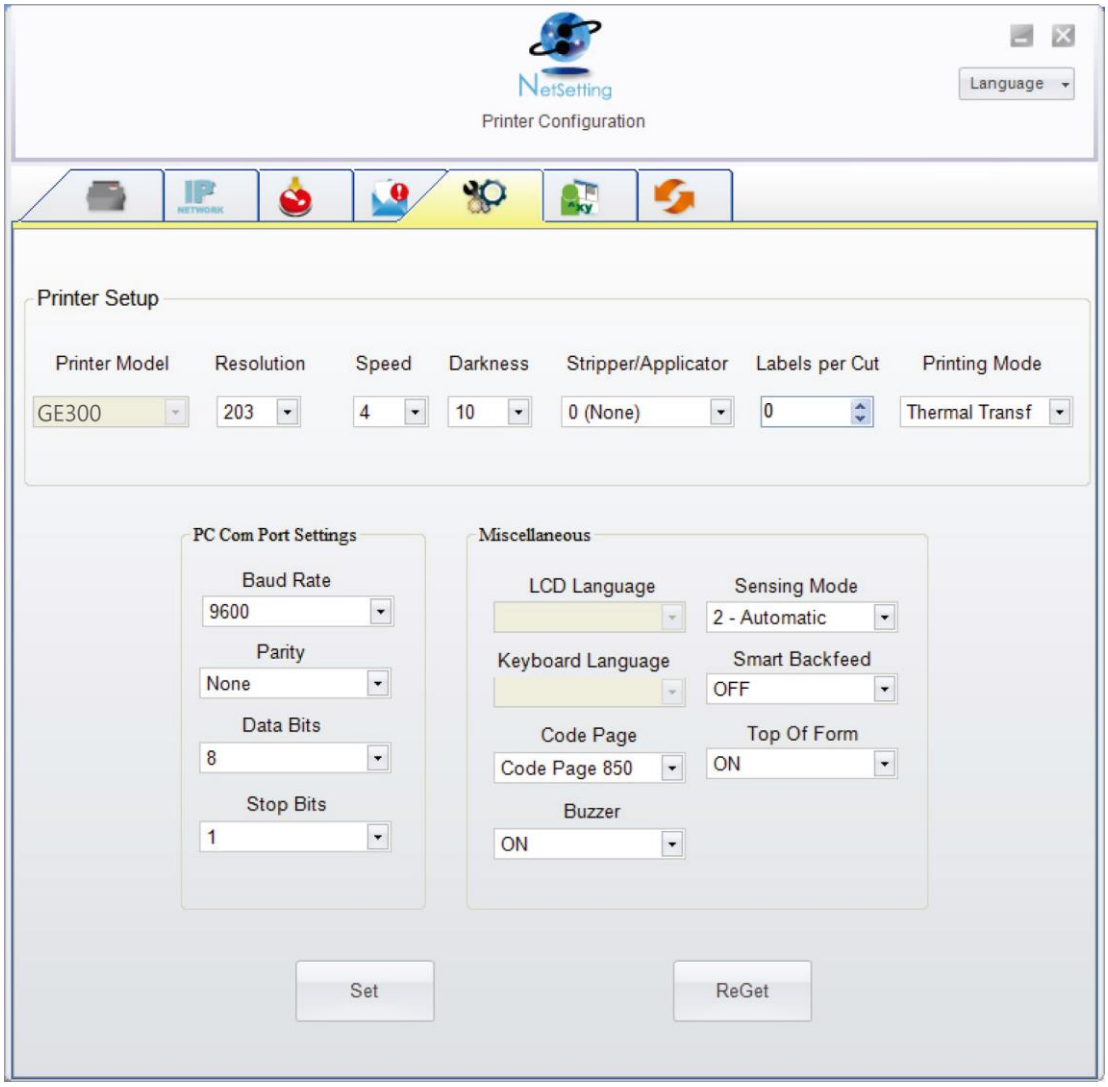
For the alert message notification function, you can decide which error cases need to be sent out to the operator. Moreover, the alert messages can be set to be sent by SMTP, SNMP or both.




You can press “Set” button to apply the settings and “ReGet” button to refresh the setting values.

**Printer Configuration**

Set or change the configurations of connected printer. Most of key settings for the printer operation can be done by this setting page.

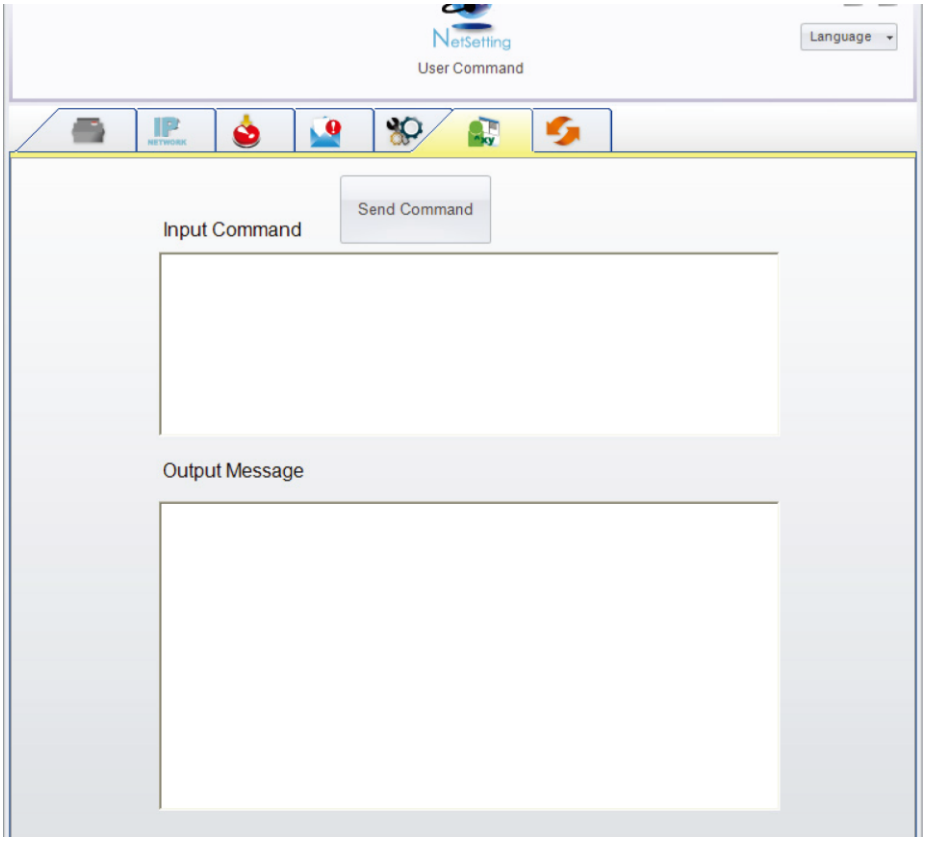



You can press “Set” button to apply the settings and “ReGet” button to refresh the setting values.

**User Command**

The “User Command” tab provides a communication interface for operator to control the printer. Input printer commands in "Input Command" window and press “Send Command” button, the commands will be sent to the printer.

For some commands that will return response message, the message will be displayed in "Output Message" window.

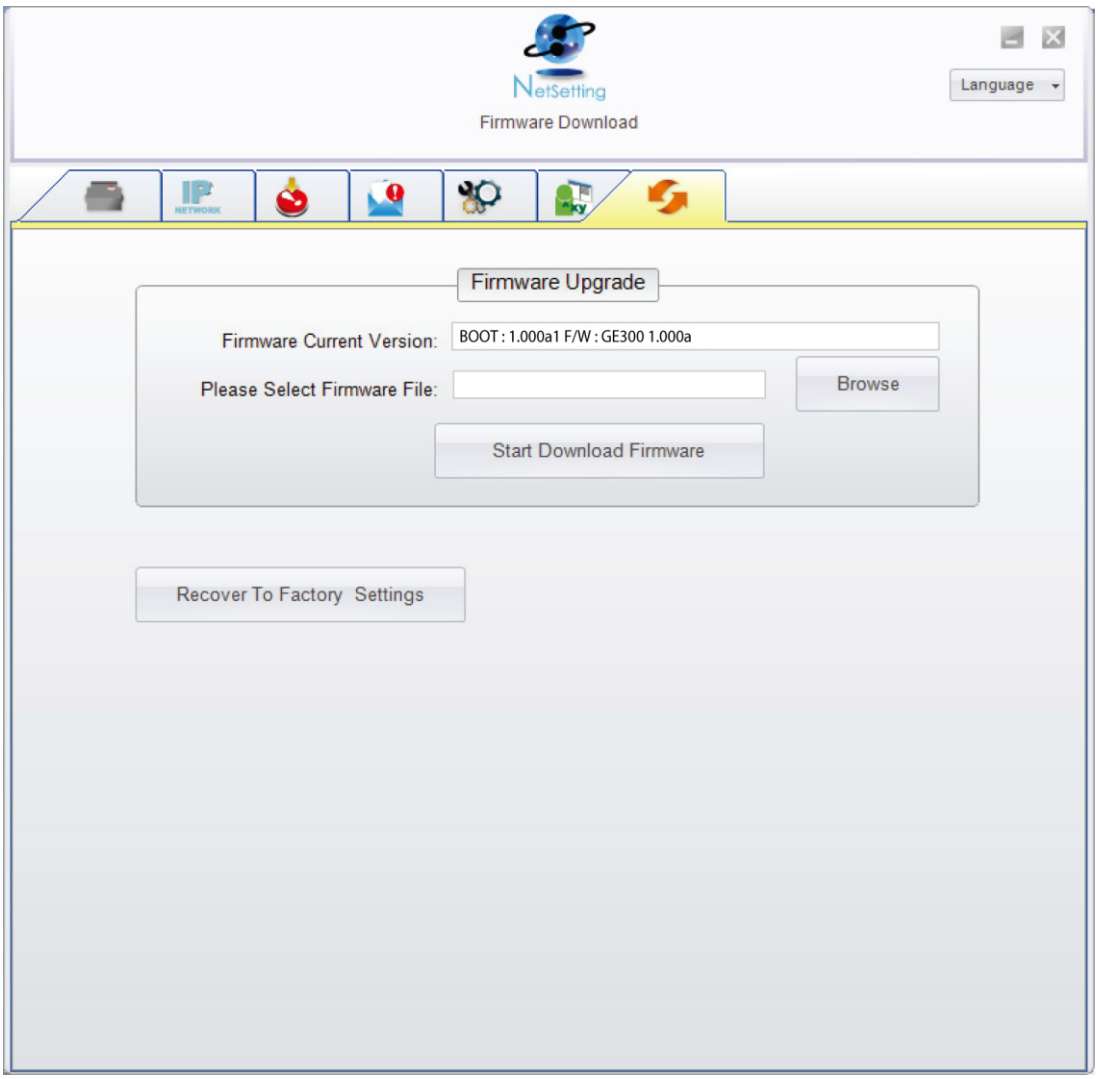



You can press “Send Command” button to send printer commands via Ethernet port and control the printer remotely.

**Firmware Download**

On “Firmware Download” tab, the current version of printer firmware will be showed on the screen. If you need to update the printer firmware, just specify the file location of firmware file and press “Start Download Firmware” button.

The printer firmware then can be updated remotely.

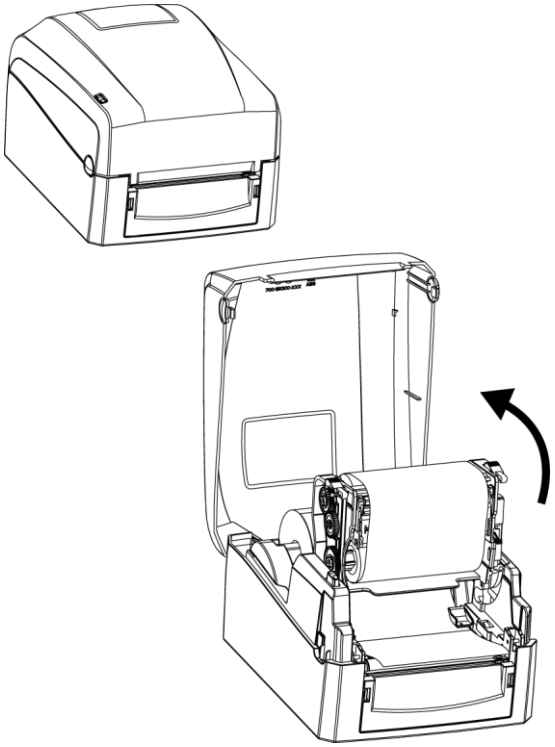



In addition to the firmware update, you can press “Recover To Factory Settings” button to restore the printer configurations back to factory default.

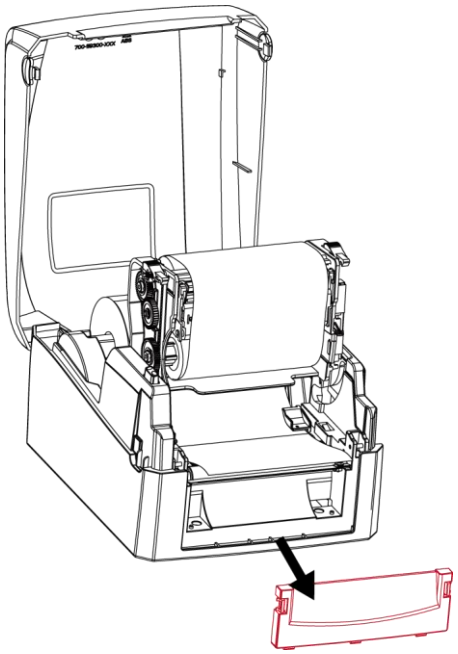
# 5 Accessories

## 5.1 Install the Cutter

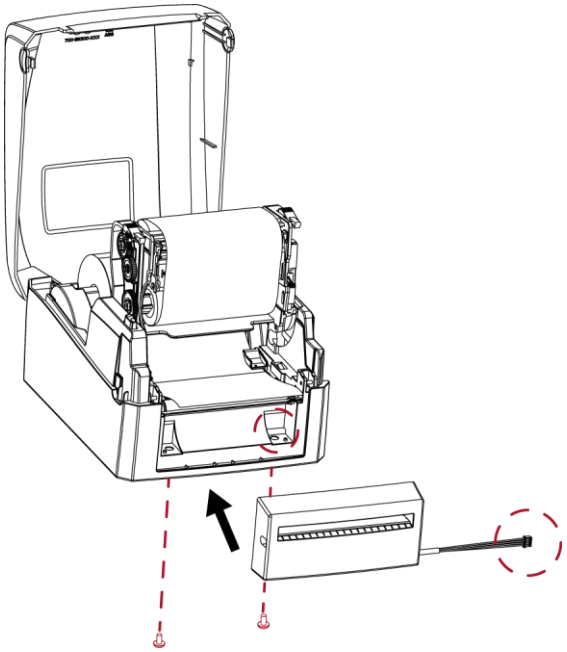
Step 1. Open the top cover and TPH



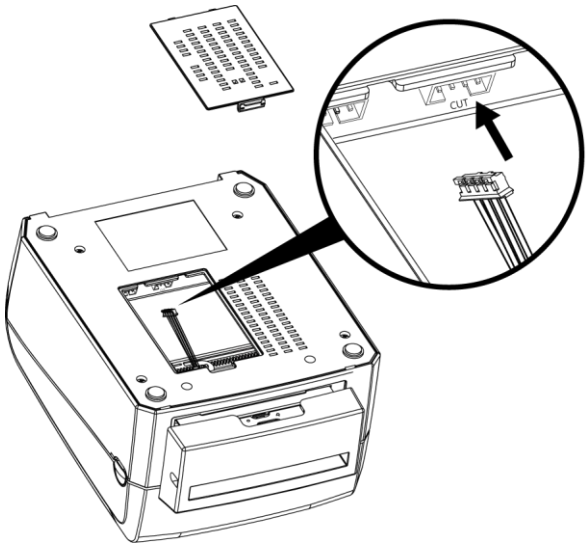
Step 2.Disassemble the front panel.



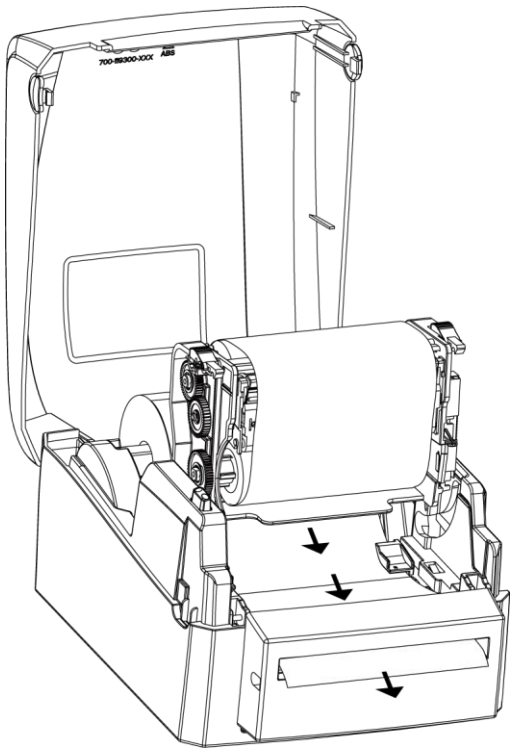
Step 3. Place the connector into the hole (as indicated by the circle) and secure the cutter in location.



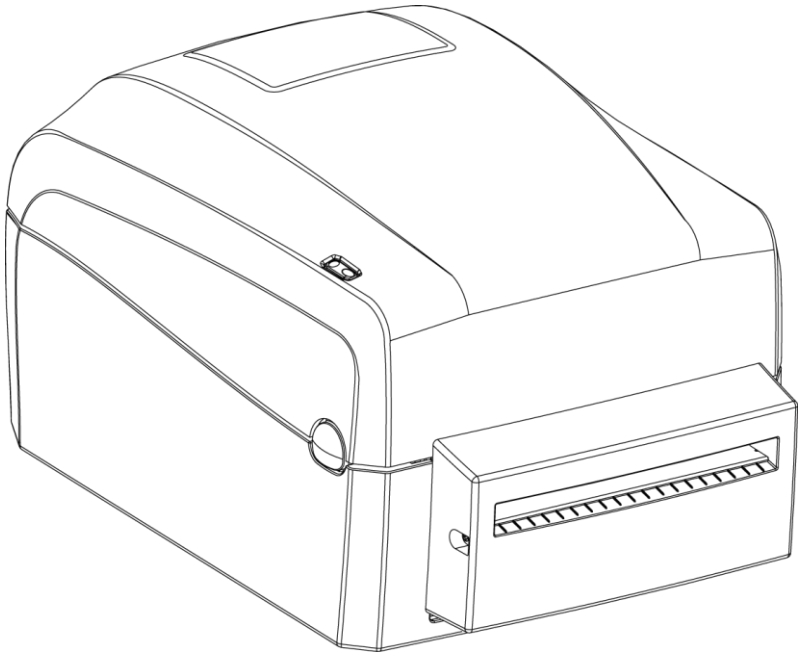
Step 4. Take off the bottom cover and connect the cable to main board and put on the bottom cover.



Step 5.Pull out the label and pass through the cutter.

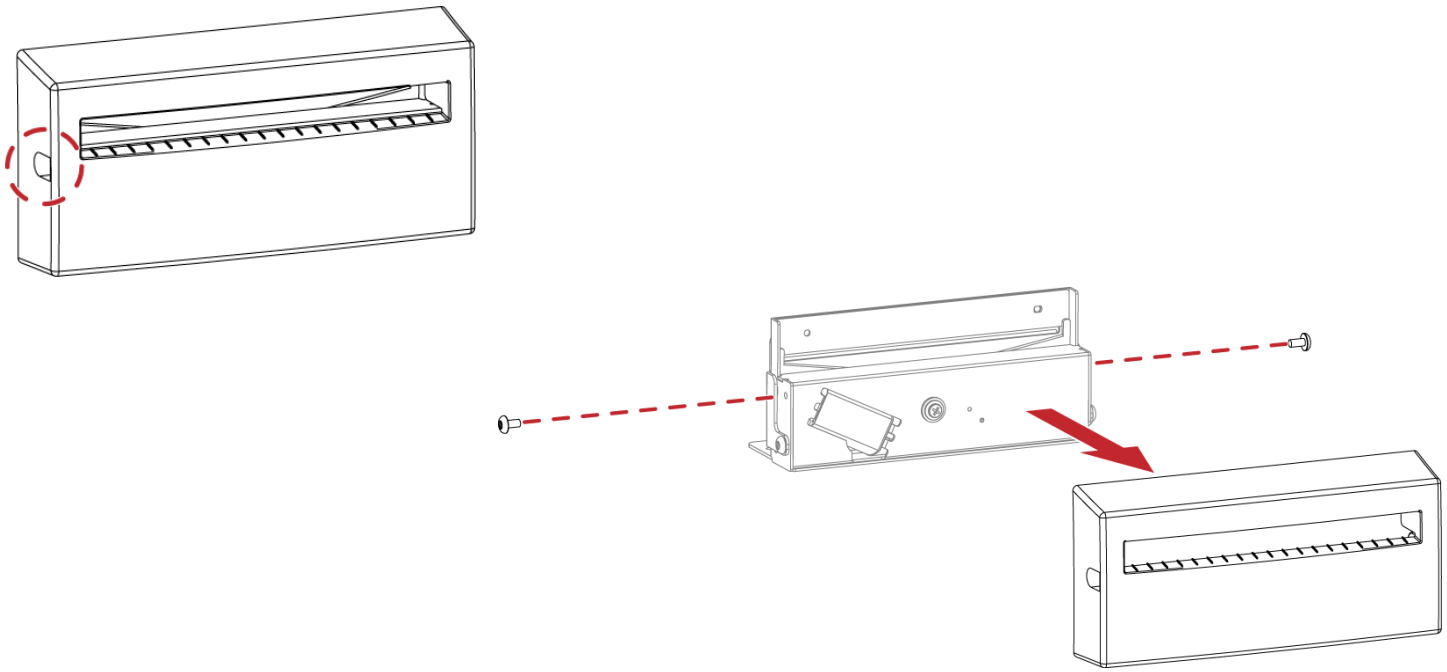


Step 6. Close the top cover.

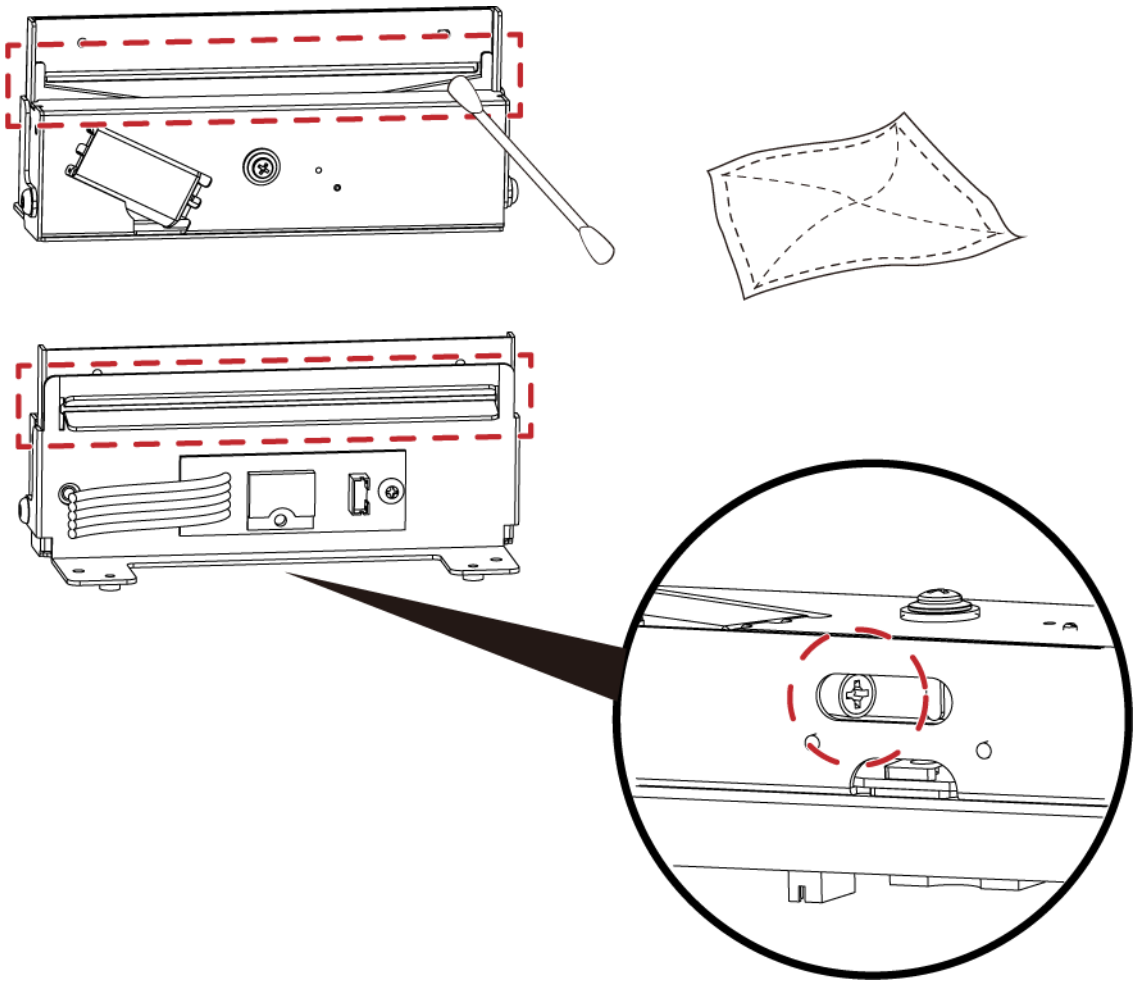


## 5.2 Cleaning Method

1. Remove the screws and cover.



2. Wipe with a cotton swab or a dry lint-free cloth (you can use a cross screwdriver to adjust the position of the cutter)



# 6 Maintenance And Adjustment

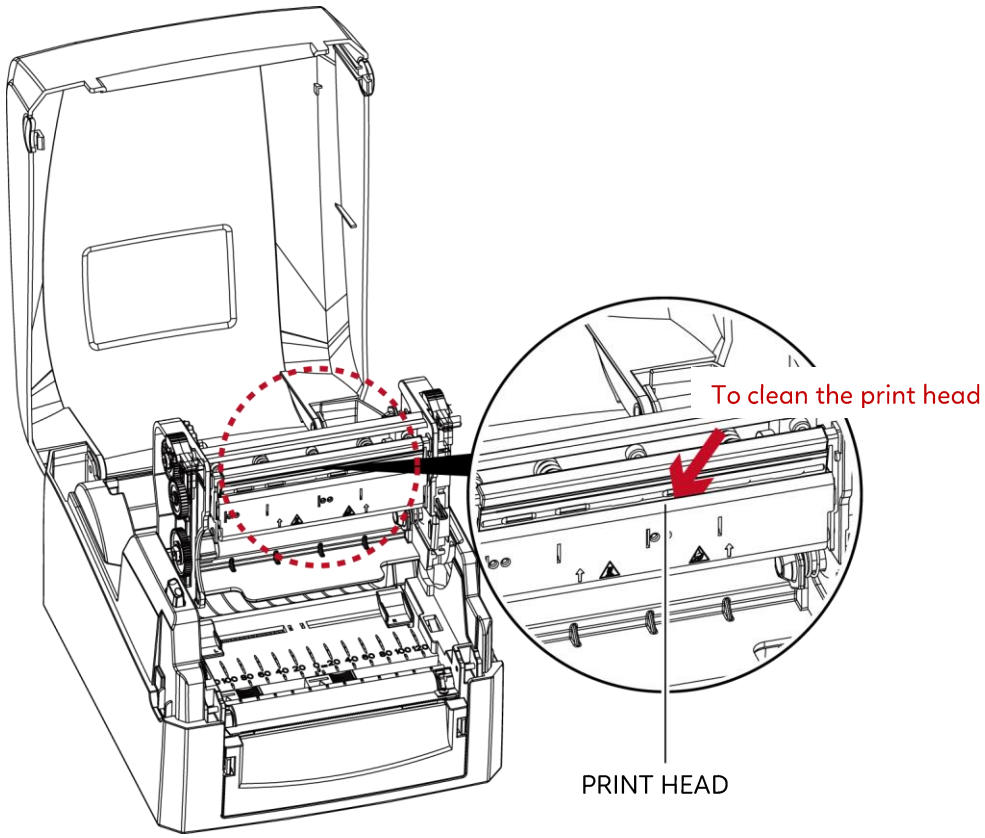
## 6.1 Cleaning The Print Head

Dirt on the print head or ribbon, or glue residue from the label stock may result in inadequate print quality. The printer cover must therefore always be closed during printing. Keeping dirt and dust away from the paper or labels ensures a good print quality and a longer lifespan of the print head.

**Cleaning Steps**

Here is how you clean the print head.

1. Switch off the printer.
2. Open the printer cover.
3. Release the printing mechanism and lift it.
4. Remove the ribbon.
5. To remove any label residue or other dirt from the print head (see red arrow), please use a soft lint-free cloth dipped in alcohol.




**Notice**

* The print head should be cleaned once a week.

* Please make sure that there are no metal fragments or other hard particles on the soft cloth used to clean the print head.

## 6.2 Troubleshooting

| Problem | Solution |
|---|---|
| The printer is switched on but the LED does not light up. | ◆ Check the power supply.<br>Please see the Section 2.6 |
| The LED lights up red and printing is interrupted. | ◆ Check the software settings (driver settings) or command codes.<br>◆ Look for the error alert in the table in Section 3.2. Error Alerts.<br>◆ Check whether the print mechanism is closed correctly.<br>Please see the Section 3.2 |
| The label stock passes through the printer but no image is printed. | ◆ Please make sure that the label stock is loaded the right way up and that it is suitable material.<br>◆ Choose the correct printer driver.<br>◆ Choose the correct label stock and a suitable printing mode. |
| The label stock jams during printing. | ◆ Clear the paper jam. Remove any label material left on the thermal print head and clean the print head using a soft lint-free cloth dipped in alcohol.<br>Please see the Section 6.1 |
| There is no printed image on some parts of the label. | ◆ Check whether any label material or ribbon is stuck to the thermal print head.<br>◆ Check for errors in the application software.<br>◆ Check whether the starting position has been set incorrectly.<br>◆ Check the ribbon for wrinkles. |
| There is no printed image on part of the label or the image is blurred. | ◆ Check the thermal print head for dust or other dirt.<br>◆ Use the internal “~T” command to check whether the thermal print head will carry out a complete print job.<br>◆ Check the quality of the print medium. |
| The printed image is positioned incorrectly. | ◆ Check whether there is paper or dust covering the sensor.<br>◆ Check whether the label stock is suitable. Contact your supplier.<br>◆ Check the paper guide settings. |
| A label is missed out during printing. | ◆ Check the label height setting.<br>◆ Check whether there is dust covering the sensor.<br>◆ Run the auto-detection function.<br>Please see the Section 3.3 |
| The printed image is blurred. | ◆ Check the darkness setting.<br>◆ Check the thermal print head for dust or dirt.<br>Please see the Section 6.1<br>◆ Check if the ribbon is suitable for label stock. |

**Notice**

* If any problems occur that are not described here, please contact your dealer.

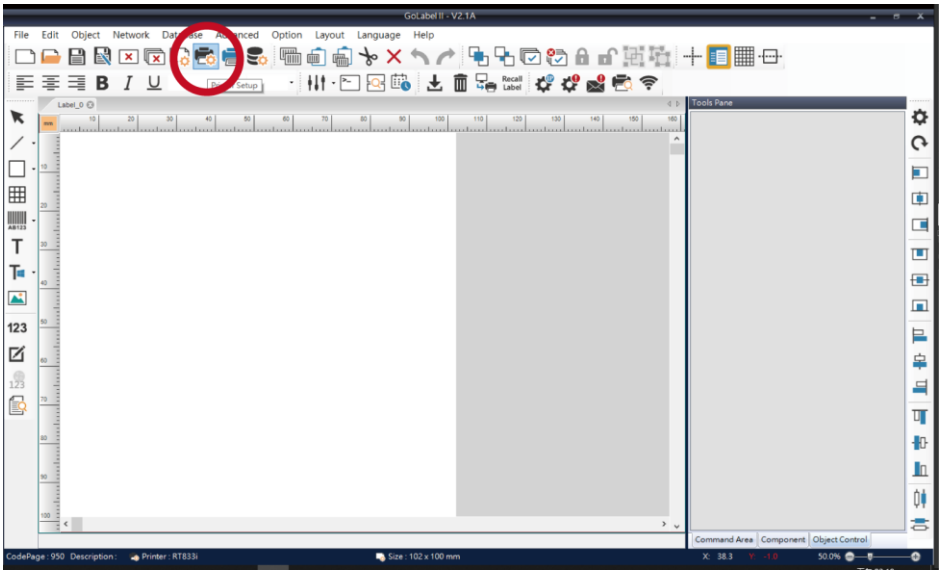
# APPENDIX

## Wi-Fi Printer Sever Module Installation(Quick Setting)

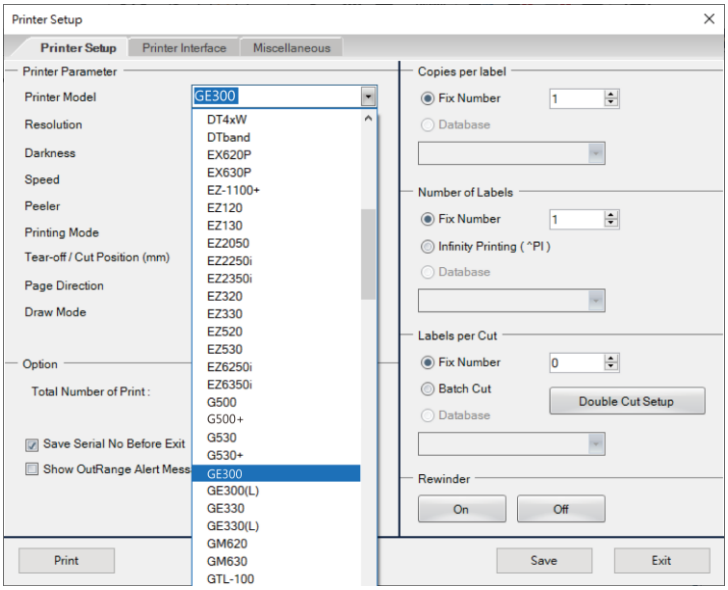
* Quick setting only supports GoLabel 1.15K and Arm 7 (FW1.100)
Or Arm 9 (FW2.00A) or higher version

Set up wireless network through GoDEX WiFi tool

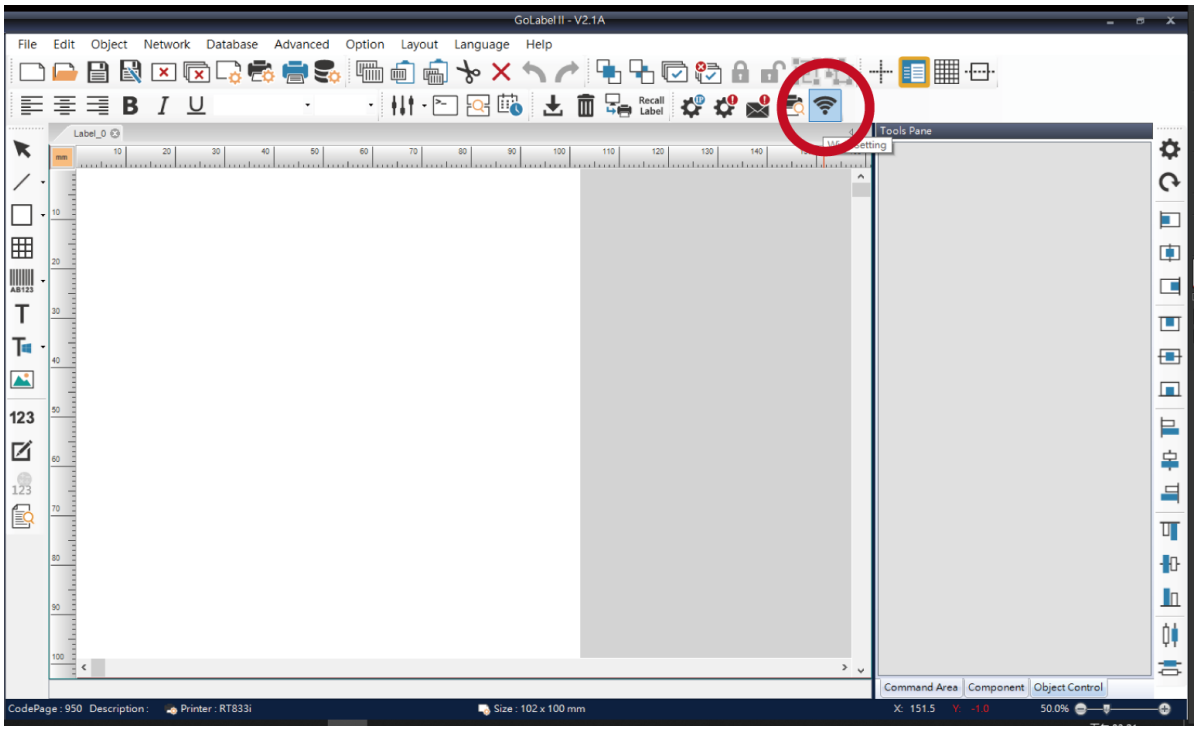
1. Turn on the printer,connect printer and computer by USB cable.
2. Start GoLabel II
3. “Generic”→”Printer Setup”.



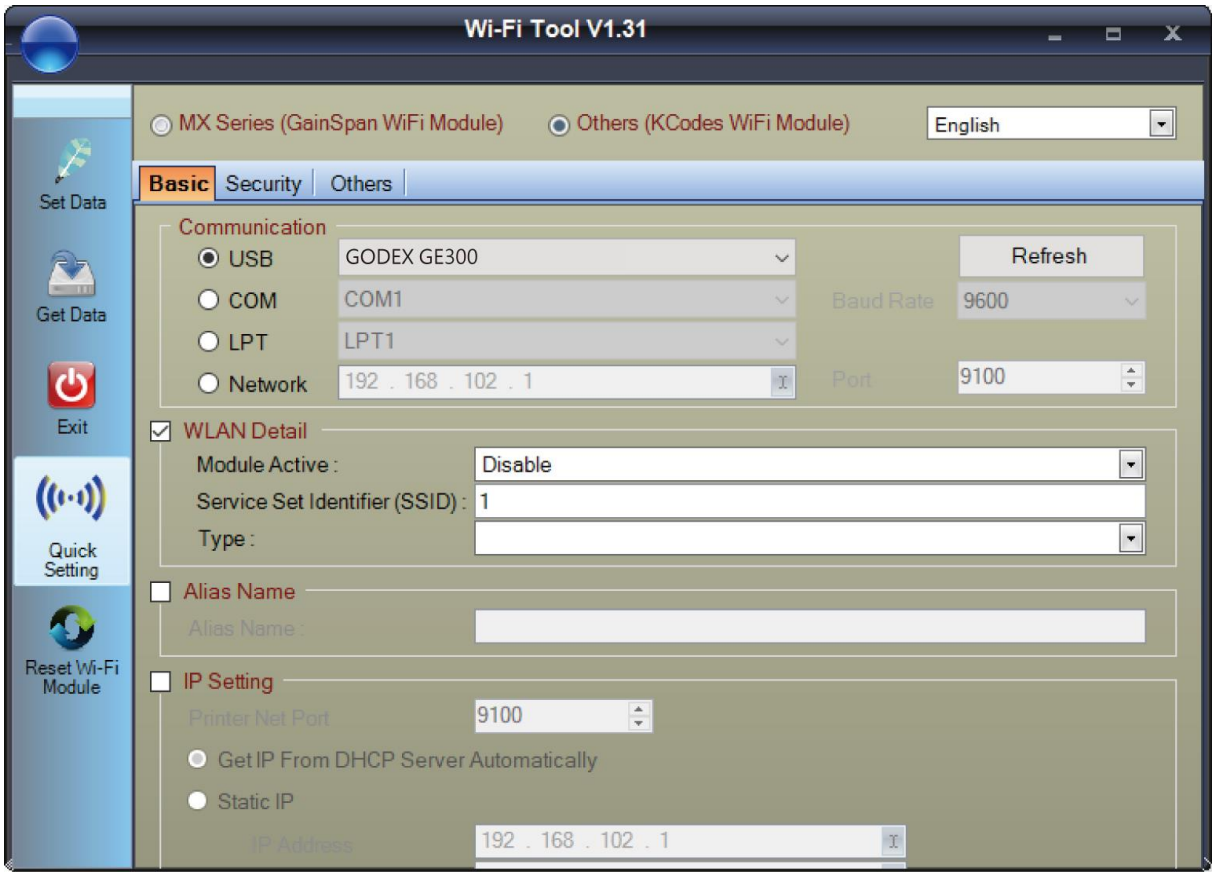

4. Select printer moedel(Wi-Fi supported models).



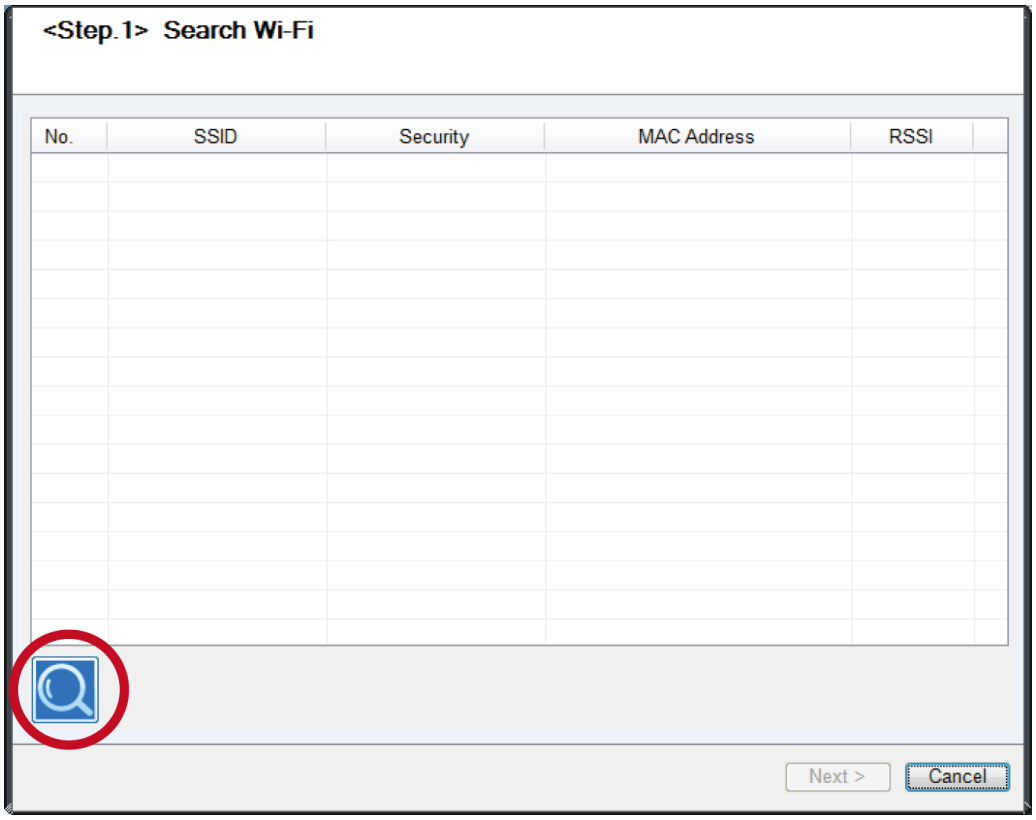
5. Click "WiFi Setting" icon.

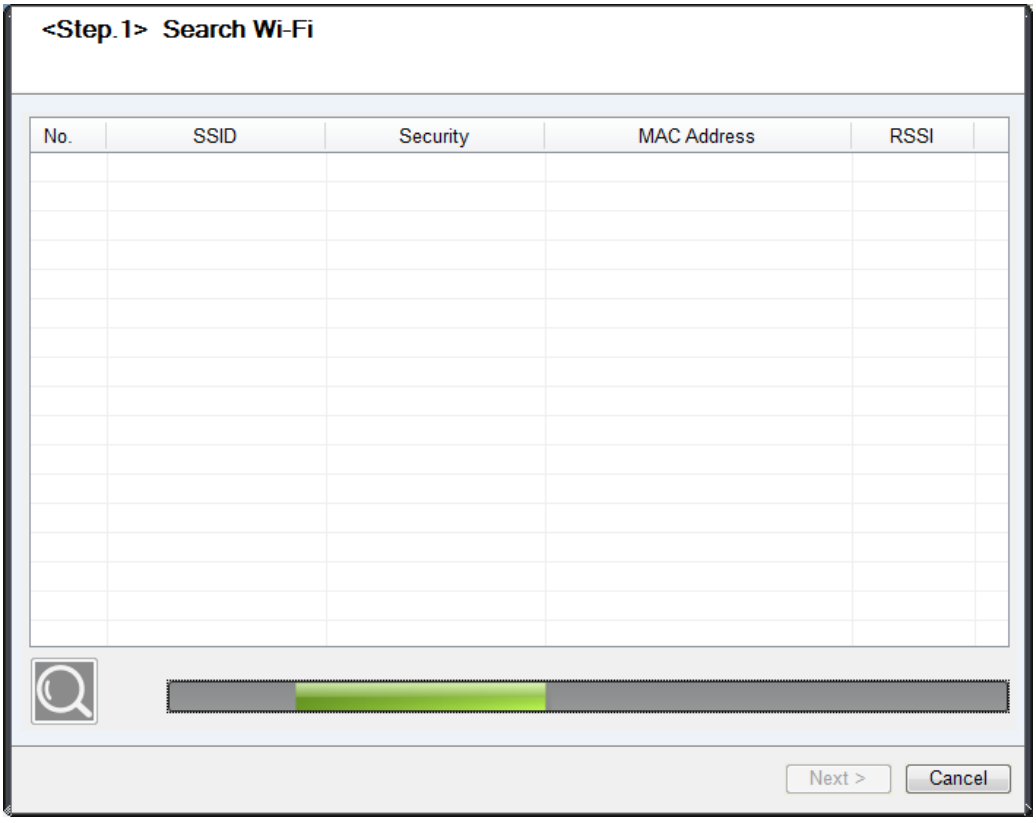



6. Click"Quick Setting"icon.

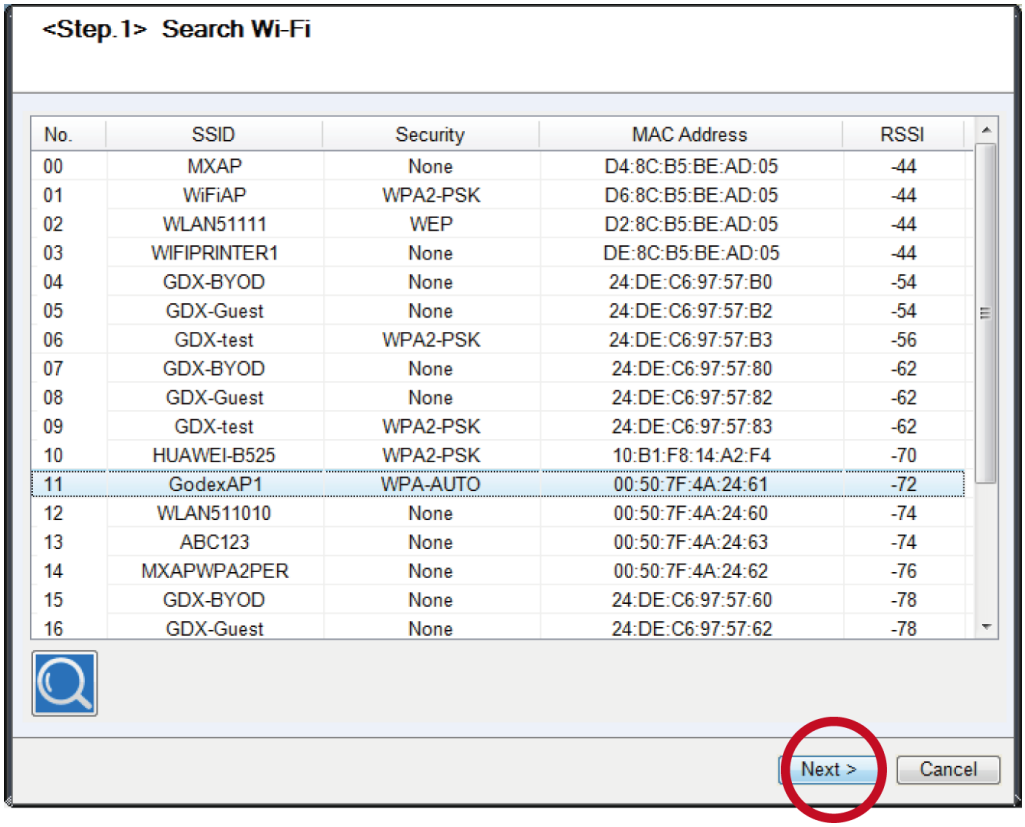


7. Click the Search button.

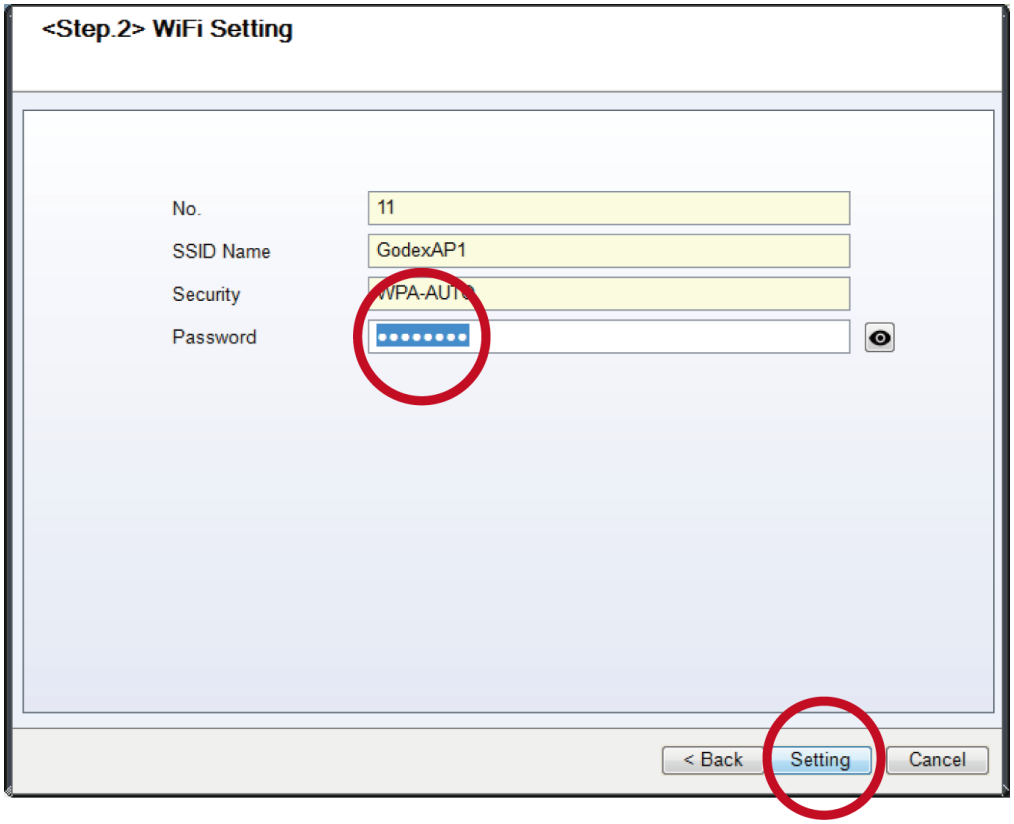


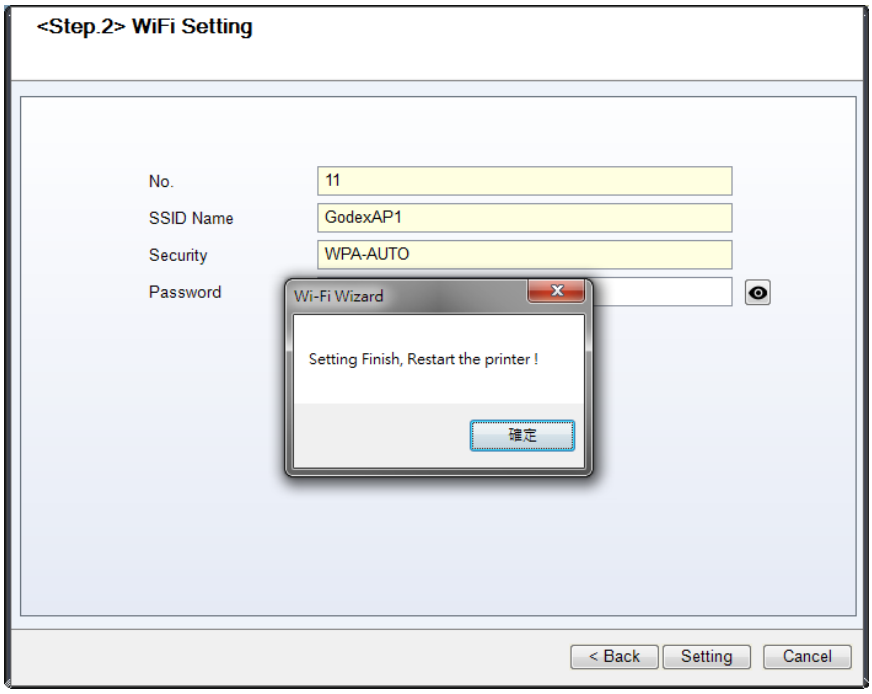
8. Select server and click next button.



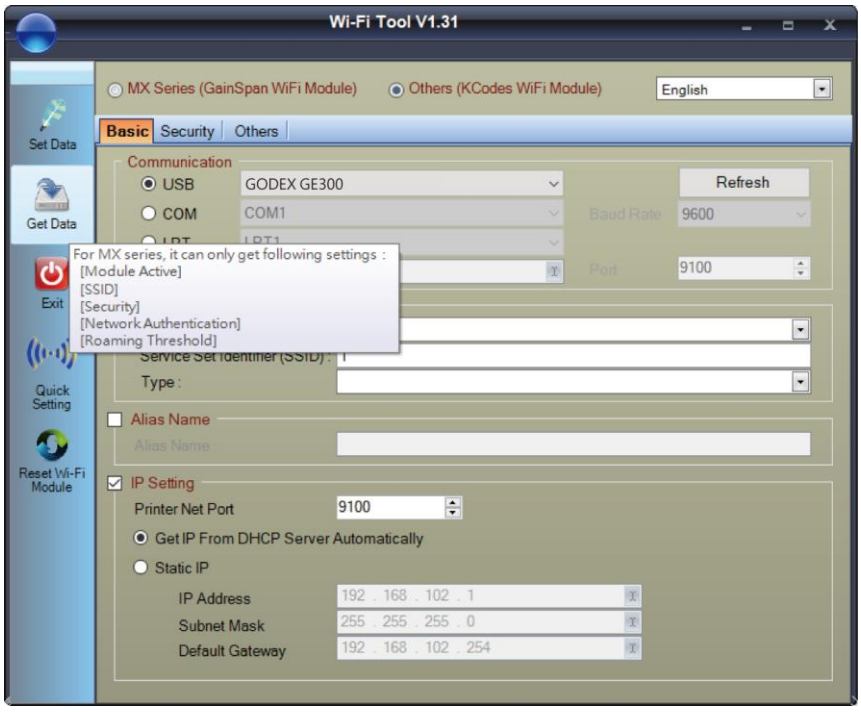

9. Enter the password set on the server side and click the “Setting” button.



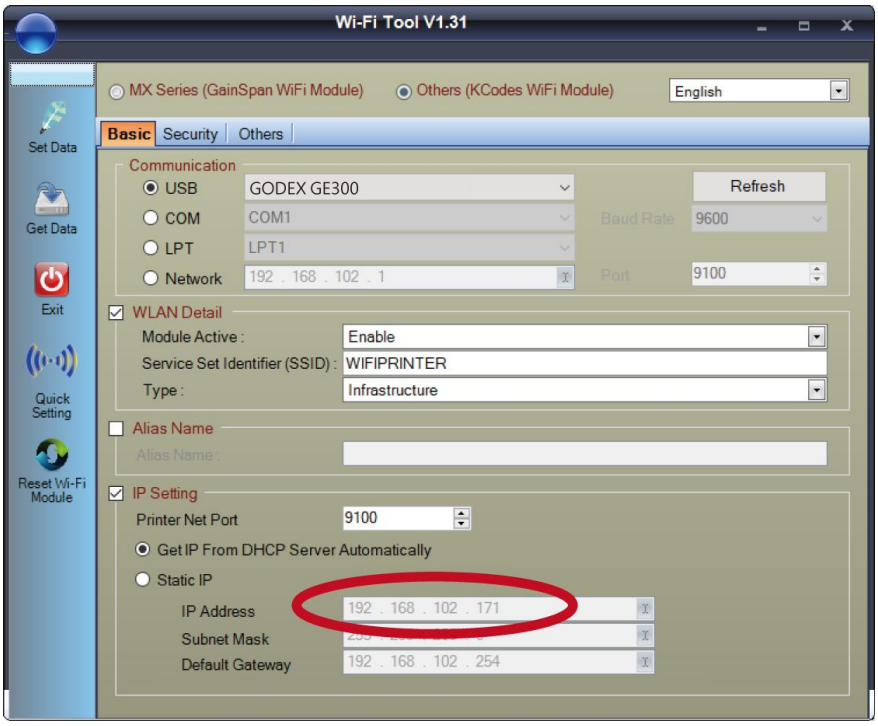
10. After the setting succeeded, a prompt will pop up and the printer will restart.



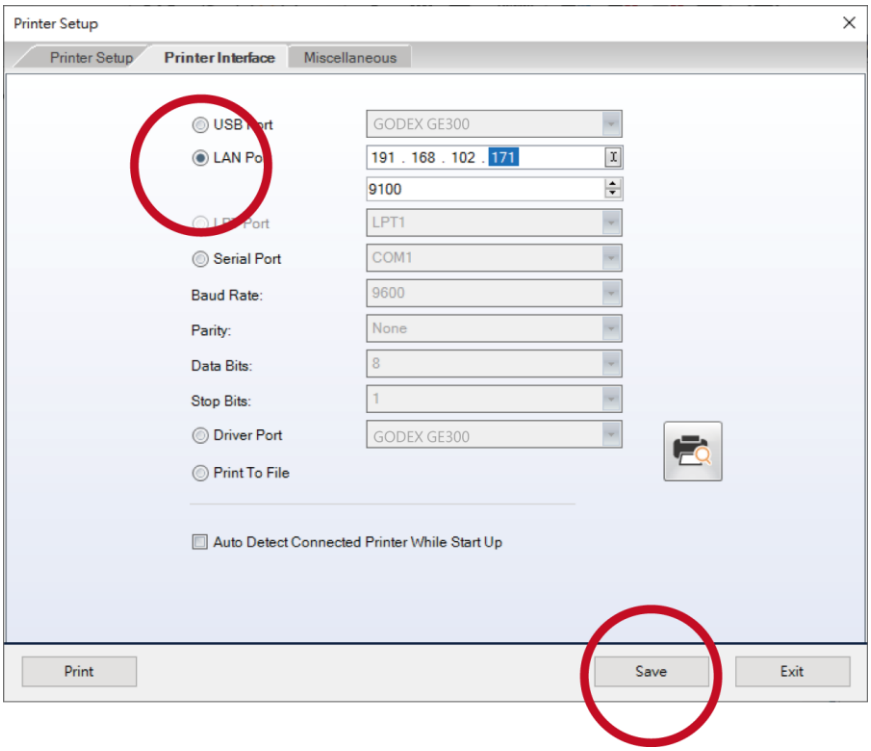

11. Select the "Other" tab and click the "Get Data" icon after selecting "IP Settings".



12. After remembering the IP address, open the "Printer Settings" window.




13. Select the“Printer Interface”tab, fill in the IP address and click “Save” to complete the setting.

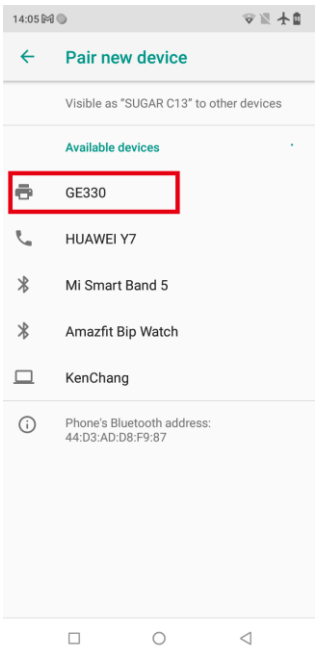


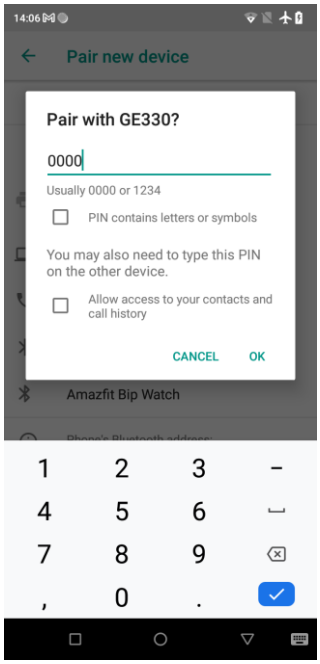
# BT module setting instructions (Connect to mobile phone)

* Android applies to BT2.1 and 4.0
iOS only works with BT4.0

First pair the phone with the printer

1. Turn on the printer and wait for it to enter the “Ready” state.
2. Select the printer model you want to connect.
   (The default pairing password is 0000)



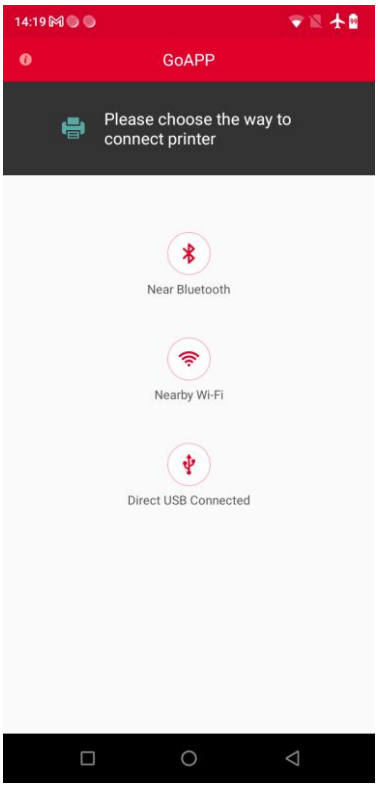

3. Open the GoApp application.

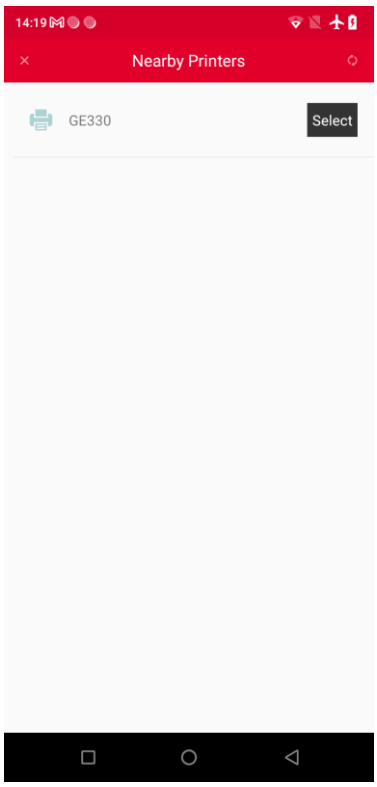
* When using the BT4.0 module, you need to use GoLabel to send the command "^XSET,EXTERNCARDMODE,8" to the printer first.

Select connection method and printer

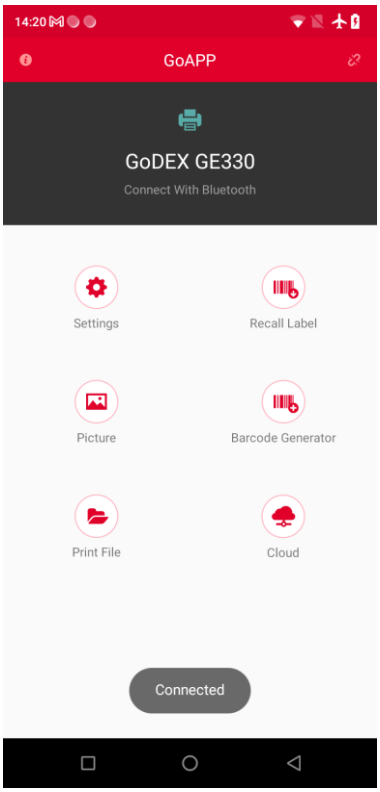
4. For the connection method, choose “Near BT” button.

5. The printers which installed the BT module will be listed below, select the printer to connect.




6. If the connection is successful, the function window will be displayed.



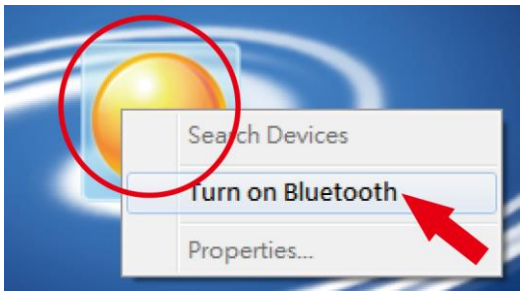

*** When using the BT4.0 module, you need to use GoLabel to send the command "^XSET,EXTERNCARDMODE,8" to the printer first.**

**Activate"BlueSoleil Space"and creat the connection after inserting the BT device into the slot of PC Mainframe**

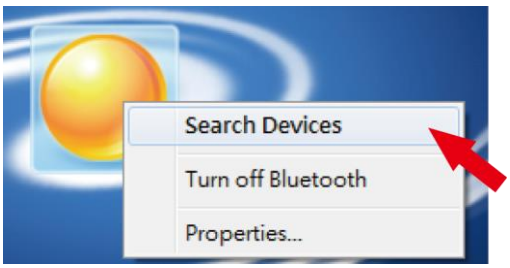
Step 1. Insert the BT device into the slot of PC Mainframe

Step 2. Activate"BlueSoleil Space" (Each BT device has its compatible software)


Step 3. Select the desired icon with the mouse and right-click on the mouse to select "Turn on BT"
(The BT device now lights up in green.)




Step 4. Right-click on the mouse and select "Search Devices"

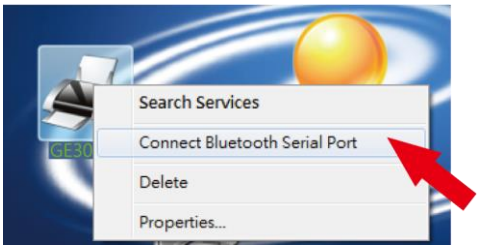



Step 5. The detected device will display" 00:1A:FF:XX:XX:XX "


Step 6. Right-click on the mouse and select "Get Device Name"and the icon of the printer


*** When using the BT4.0 module, you need to use GoLabel to send the command "^XSET,EXTERNCARDMODE,8" to the printer first.**

Step 7. Right-click on the mouse and select ”Connect BT Serial Port”(see the left figure below), Then, the screen displays a message of establishing a connection, as the right figure below indicates.





Step 8. Input the BT code :0000 (default)

The icon of the printer lights up green when the connection between PC and the printer is sucessfully created.

Note : The BT code does not need to be inputted when the SSP mode of the BT setting in the printer and the PC is set “Activated”.


The icon of the printer lights up green when the connection between PC and the printer is sucessfully created.


*** When using the BT4.0 module, you need to use GoLabel to send the command "^XSET,EXTERNCARDMODE,8" to the printer first.**

# PRODUCT SPENIFICATIONS

| Model | | GE300 | GE330 |
|---|---|---|---|
| Print Method | | Thermal Transfer/Direct Thermal | |
| Resolution | | 203dpi(8dots/mm) | 300dpi(12dots/mm) |
| Print Speed | | 5 IPS (102mm/s) | 4 IPS(76.2 mm/s) |
| Print Width | | 4.25"(108mm) | 4.16"(105.7mm) |
| Print Length | | Min. 0.16"(4mm); Max. 68"(1727mm) | Min. 0.16"(4 mm); Max. 30"(762mm) |
| Memory | Flash | 8MB Flash(4MB for user storage) | |
| | SDRAM | 16MB SDRAM | |
| Sensor Type | | Fixed transmissive sensor<br>Adjustable reflective sensor (full range) | |
| Media | Types | Continuous form, gap labels, black mark sensing, and punched hole; label length set by auto sensing or programming | |
| | Width | 1"(25.4mm)Min.-4.64"(118mm)Max.<br>Left Alignment Printing Mechanism - Min. 1"(25.4 mm) — Max. 4.45"(113mm) | |
| | Thickness | 0.003"(0.08mm)Min.-0.008"(0.20mm)Max. | |
| | Label Roll Diameter | Max. 5"(127mm) | |
| | Core Diameter | 1", 1.5"(25.4mm, 38.1mm) | |
| Ribbon | Types | Wax, wax/resin, resin | |
| | Length | 360"(110m) | |
| | Width | 1.18"Min-4.33"(30mm-110mm)Max | |
| | Ribbon Roll Diameter | 1.57"(40mm) | |
| | Core Diameter | 0.5"(12.7mm) | |
| Printer Language | | EZPL,GEPL,GZPL,GDPL auto switch | |
| Software | Label Design Software | GoLabel II (fo r EZPL only) | |
| | Driver | Vista, Windows 7, Windows 8 & 8.1, Windows 10, Windows 11, Windows Server 2008 R2, 2012, 2012 R2, 2016, 2019, 2022, MAC, Linux | |
| | SDK | Win CE, .NET, Windows 7, Windows 8 & 8.1, Windows 10, Windows 11, Android, Mac, iOS | |
| Resident Fonts | Bitmap Fonts | 6, 8, 10, 12, 14, 18, 24, 30, 16X26 and OCR A&B<br>Bitmap fonts 0°, 90°, 180°, 270° rotatable, single characters 0°, 90°, 180°, 270° rotatable<br>Bitmap fonts 8 times expandable in horizontal and vertical directions | |
| | TTF Fonts | TTF Fonts (Bold / Italic / Underline ). 0°,90°, 180°, 270° rotatable | |
| Download Fonts | Bitmap Fonts | 0°, 90°, 180°, 270° rotatable, single characters 0°, 90°, 180°, 270° rotatable | |
| | Asian Fonts | 6x16, 24x24. Traditional Chinese (BIG-5), Simplified Chinese(GB2312), Japanese (S-JIS), Korean (KS-X1001)<br>0°, 90°, 180°, 270° rotatable and 8 times expandable in horizontal and vertical directions | |
| | TTF Fonts | TTF Fonts (Bold / Italic / Underline ). 0°,90°, 180°, 270° rotatable | |
| Barcodes | 1-D Bar codes | China Postal Code, Codabar, Code 11, Code 32,Code 39, Code 93, Code 128 (subset A, B, C), EAN-8/EAN-13 (with 2 & 5 digits extension), EAN 128, FIM, German Post Code, GS1 DataBar, HIBC, Industrial 2 of 5 , Interleaved 2-of-5 (I 2 of 5), Interleaved 2-of-5 with Shipping Bearer Bars, ISBT-128, ITF 14, Japanese Postnet, Logmars, MSI, Postnet, Plessey, Planet 11 & 13 digit, RPS 128, Standard 2 of 5, Telepen, Matrix 2 of 5, UPC-A/UPC-E (with 2 or 5 digit extension), UCC/EAN-128 K-Mart, Random Weight and Pharmacode | |
| | 2-D Bar codes | Aztec code, Code 49,Codablock F , Datamatrix code, MaxiCode, Micro PDF417, Micro QR code, PDF417,QR code, TLC 39, GS1 Composite, Dot Code, Macro PDF417 | |
| Code Pages | | Codepage 437, 850, 851, 852, 855, 857, 860, 861, 862, 863, 865, 866, 869, 737<br>Windows 1250, 1251, 1252, 1253, 1254, 1255, 1257<br>Unicode UTF8、UTF16BE、UTF16LE | |
| Graphics | | Resident graphic file types are BMP and PCX, other graphic formats are downloadable from the software | |
| Interfaces | | Serial port: RS-232(DB-9)<br>USB2.0<br>Ethernet | |
| Control Panel | | One Tri-color LED: Power(Green, Orange and Red)<br>Function Key: FEED<br>Calibration Button | |
| Power | | Auto Switching 100-240VAC, 50-60Hz | |
| Environment | Operation Temperature | 41°F to 104°F (5°C to 40°C) | |
| | Storage Temperature | -4°F to 122°F (-20°C to 50°C) | |
| Humidity | Operation | 30-85% ，non-condensing | |
| | Storage | 10-90% ，non-condensing | |
| Agency Approvals | | CE (EMC)、FCC Class B、CB、UL、cUL 、CCC、BSMI、UKCA、BIS、 ENERGY<br>(The safety certification marks may be different depending on sales regions.) | |
| Dimension | Length | 9.88"(251mm) | |
| | Width | 7.87"(200mm) | |
| | Height | 6.46"(164mm) | |
| Weight | | 1.8Kg ,excluding consumables | |
| Options | | Cutter(Dealer Install)<br>External label unwind stand<br>External label rewinder<br>BT<br>Wireless LAN (IEEE 802.11 b/g/n)<br>Real Time Clock (RTC) (Dealer Install)<br>Left Alignment Printing Mechanism(Factory Install) | |

**Notice**

* Specifications are subject to change without notice. All company and/or product names are trademarks and/or registered trademarks of their respective owners.
* Minimum print height specification compliance can be dependent on non-standard material variables such as label type, thickness, spacing, liner construction, etc. Godex is pleased to test non-standard materials for minimum height printing capability.

* The cutter is an optional accessory. If the cutter is installed,it is not suitable for children to approach.

## Pinout Description

- USB

| Connector Type：Type B | | | | |
|---|---|---|---|---|
| Pin NO. | 1 | 2 | 3 | 4 |
| | VBUS | D- | D+ | GND |

- Serial Port

**Default settings: Baud rate 9600, no parity, 8 data bits, 1 stop bit, XON/XOFF protocol and RTS/CTS**

| RS232 Housing(9-pin to 9-pin) | | |
|---|---|---|
| DB9 Socket | | DB9 Plug |
| - | 1_____1 | +5V, max 500mA |
| RXD | 2_____2 | TXD |
| TXD | 3_____3 | RXD |
| DTR | 4_____4 | N/C |
| GND | 5_____5 | GND |
| DSR | 6_____6 | RTS |
| RTS | 7_____7 | CTS |
| CTS | 8_____8 | RTS |
| RI | 9_____9 | N/C |
| Computer | | Printer |

- Ethernet

| PIN NO. | FUNCTION |
|---|---|
| 1 | Transmit Plus |
| 2 | Transmit Minus |
| 3 | Receive Plus |
| 4 | Bias of Transmission |
| 5 | NC |
| 6 | Receive Minus |
| 7 | Bias of Receiver |
| 8 | N/C |

**Notice**

* The total current to the serial port may not exceed 500mA.