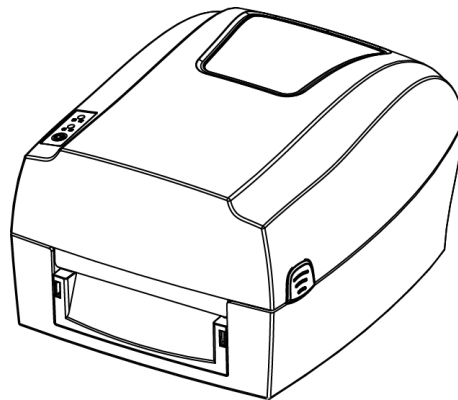

Label Printer

User Manual

HT300

HT330



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■ Statement

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Printed in China

1.0 Version

■ Warnings



This must be complied with in order to avoid any damage to the human body and the equipment.



This is showing the important information and tips for the printer operation.



Note: Due to continuous update of our product, the description of printer specification, accessories, design in this manual may be slightly different. Please keep in kind prevail.

Manual Information

This user manual contains basic information for product usage as well as for emergency measures that may be required.

The installation and usage of printer driver, utility tool and HPRT BarTender® Ultralite are also included in the manual.

Important Safety Instructions

Before using the present appliance, please carefully read the following safety regulations in order to prevent any hazard or material damage.

1.Safety warning



Warnings: The print head will become very hot during printing; avoid contact with the print head after printing has finished.



Warnings: Do not touch the printer head and connector in case static damage the printer head.

2.Instructions



Warnings: Violating following instructions may cause serious injury or death.

1) Do not plug several products in one multiperture outlet.

- This can provoke over-heating and a fire.
- If the plug is wet or dirty, dry or wipe it before usage.
- If the plug does not fit perfectly with the outlet, do not plug in.
- Be sure to use only standardized multiperture outlet.

2) You must use the supplied adapter.

- It is dangerous to use other adapters.

3) Do not pull the cable to unplug.

- This may damage the cable, which is the origin of a fire or a breakdown of the printer.

4) Do not plug in or unplug with your wet hands .

- You may be electrocuted.

5) Do not bend the cable by force or leave it under any heavy object.

- A damaged cable may cause a fire.



Caution: Violating following instructions may cause slight damage of the appliance.

1) If you observe a strange smoke, odour or noise from the printer, unplug it before taking following measures.

- Switch off the printer and unplug the set from the mains.
- After the disappearance of the smoke, call your dealer to repair it.

2) Install the printer on the stable surface.

- If the printer falls down, it may be broken and you may hurt yourself.

3) Use the approved accessories only and do not try to disassemble, repair or remodel it by yourself.

- Call your dealer when you need these services.
- Do not touch the blade of auto cutter.

4) Do not let water or other foreign objects drop into the printer.

- If this happened, switch off and unplug the printer before calling your dealer.

5) Do not use the printer when it is out of order. This can cause a fire or an electrocution.

- Switch off and unplug the printer before calling your dealer.

6) Other considerations:

- Place the printer on a solid and even base so that it cannot fall.
- Leave enough space around printer for operation and maintenance.
- Keep all liquids away from the printer.
- Do not expose the printer to high temperatures, direct sunlight or dust.
- Ensure the printer is connected to a socket with the correct mains voltage.
- Switch off the printer POWER supply when it's not in use for a long time.
- To ensure the printing quality and reliability, suggest use the same quality or recommend paper supplier.
- Pls. switch off the POWER supply when connect/disconnect all the ports or it will cause damage to the printer control circuit.
- Never carry out maintenance or repair work yourself. Always contact a qualified service Technician.

- Keep this User Manual in a place which is easily accessible at all times.

3.Other Precautions

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4.WEEE (Waste Electrical and Electric Equipment)



This mark shown on the product or its literature indicates that the corresponding item should not be discarded at the end of its working life with other household waste. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate marked items from other types of waste and recycle them responsibly to promote the sustained reuse of material resources. Household users should contact either the retailer where they purchased this product, or their local government office for details of where and how they can conduct environmentally safe recycling of such items. Commercial users should contact their suppliers and check the terms and conditions of purchase contracts. This product should not be combined with other commercial waste for disposal.



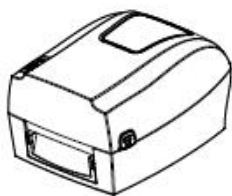
Caution: This is a Class A product. In a domestic environment this product may cause radio interference in which the user may be required to take adequate measures.

Chapter 1 Introduction

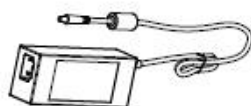
1.1 Packing List

**Note:**

- 1.Unpack the printer and keep the packing materials in case you need to ship the printer in the future.
- 2.Any damages exist, please contact the local dealer.



Printer



AC Adapter



Power Cord



USB Cable



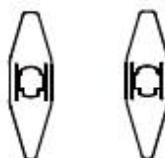
Empty Ribbon Core



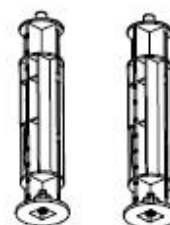
Ribbon



Label Supply Spindle



Label Supply Plates



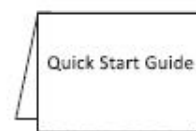
Ribbon Spindles



Label Roll



CD

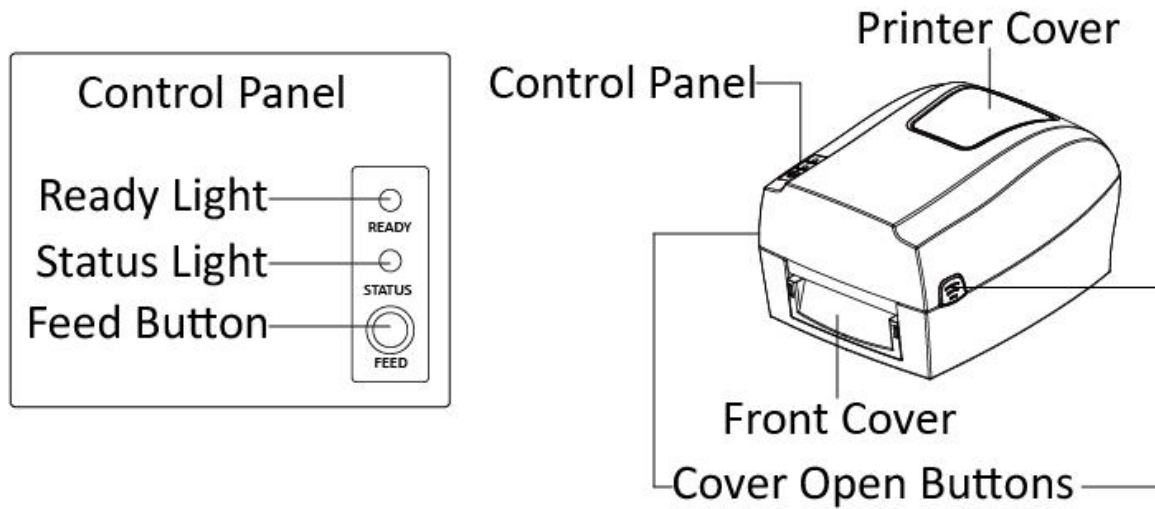


Quick Start Guide

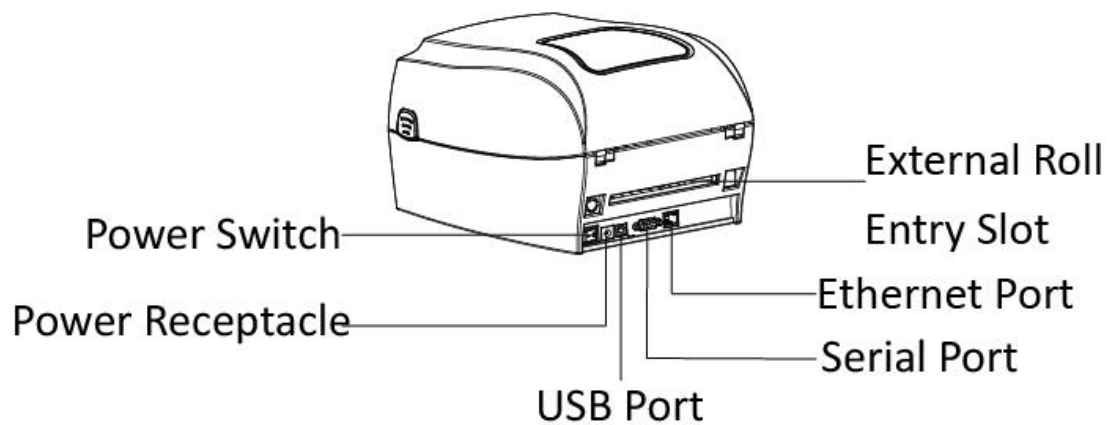
**Note: The packing materials are actually based on the order.**

1.2 Appearance and Components

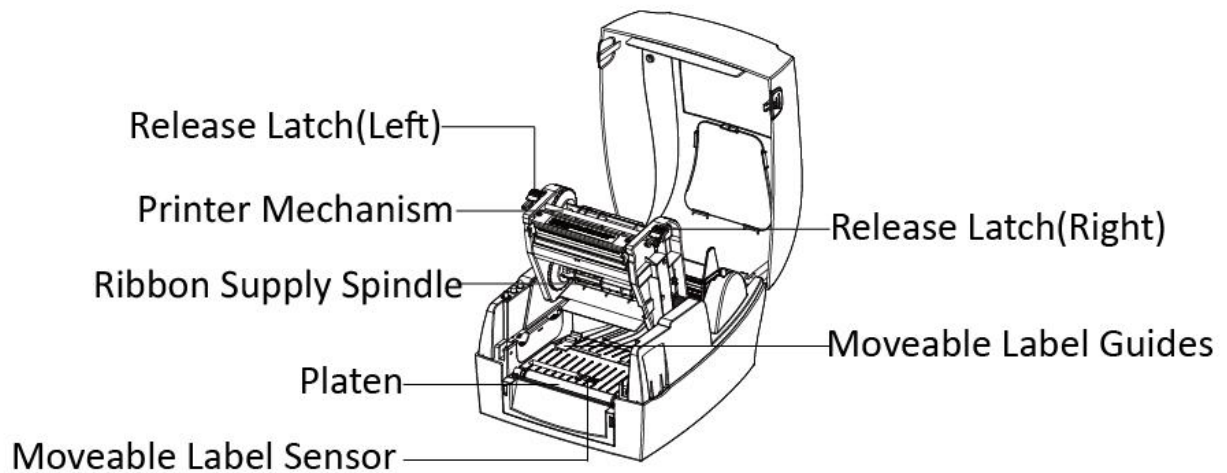
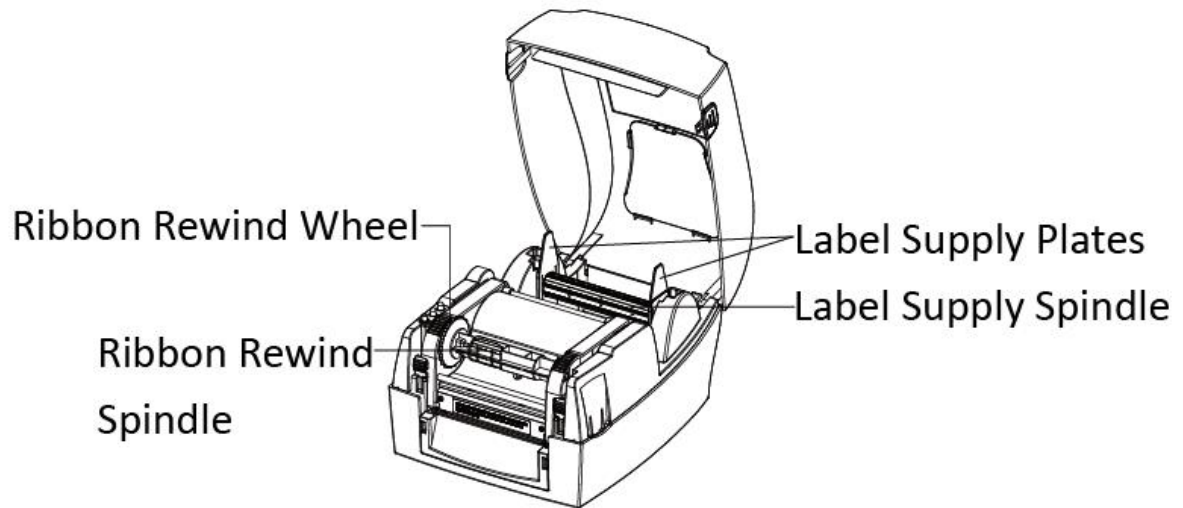
■ Front View



■ Rear View

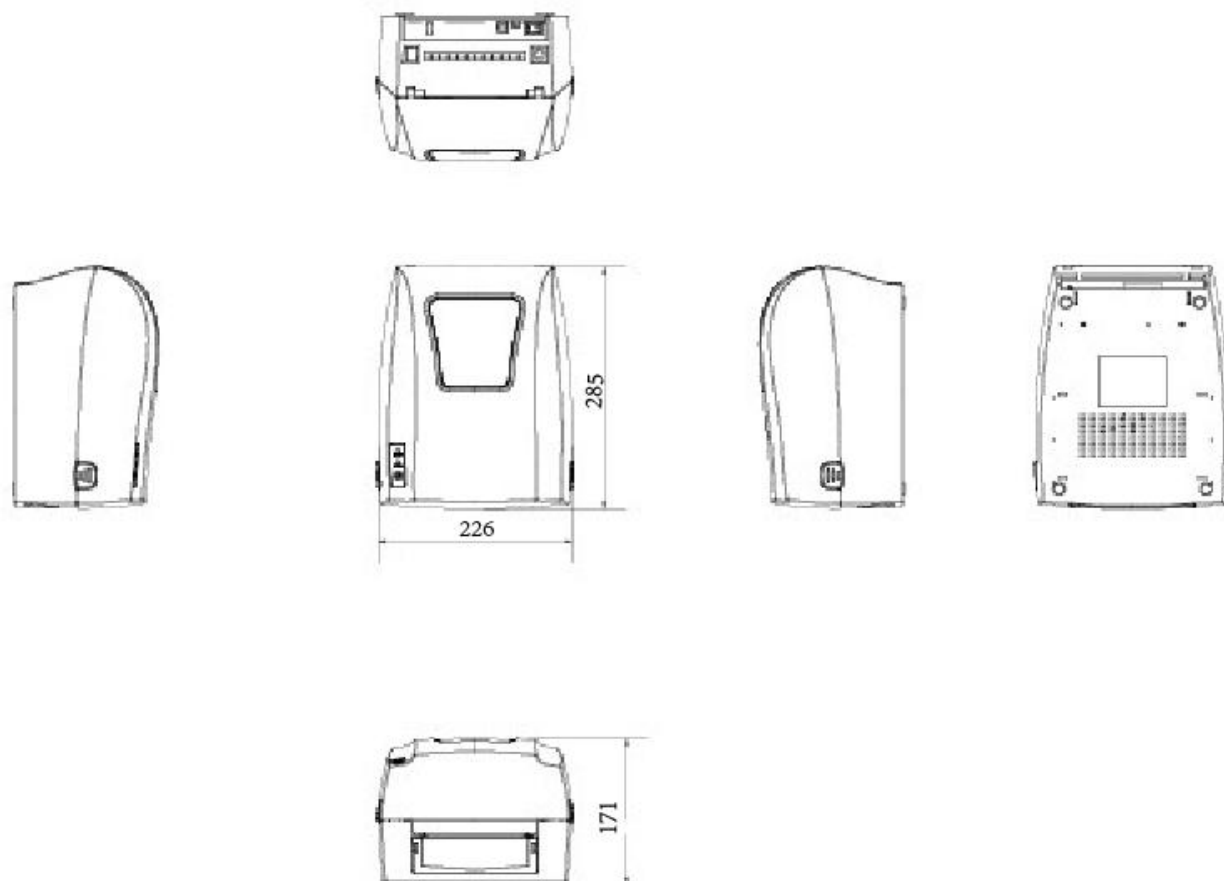


■ Inside View



Note: The views above are for your reference. Ports vary by your choice.

1.3 Dimension



Chapter 2 Specifications

(2/1)

Items		Parameter	
		HT300	HT330
Printing	Printing method	Thermal transfer / Direct thermal	Thermal transfer /Direct thermal
	Resolution	203dpi(8dots/mm)	300dpi(11.8dots/mm)
	Printing speed	127mm/s Max.	102mm/s Max.
	Printing width	108mm Max.	106mm Max.
	Printing length	15mm - 1200mm	15mm - 1200mm
Processor		NUC976	
Memory	RAM	32MB	
	Flash	16MB	
Detection	Sensors	Adjustable reflective sensor,Fixed transmissive sensor(Central aligned), Head-up sensor, Ribbon end sensor	
Media	Types	Roll-fed or Fan-fed,Die-cut or Continuous label,Tag stock,Continuous receipt paper	
	Width	0.79''(20mm) – 4.65''(118mm)	
	Thickness	0.003''(80um) – 0.007''(180um)	
	Label roll diameter	5''(127mm)	
	Core diameter	1''(25.4mm),1.5''(38mm),3''(76.2mm)	
Ribbon	Types	Wax,Wax/Resin,Resin	
	Width	1.33''(33.8mm) – 4.33''(110mm)	
	Length	984'(300m)	
	Core diameter	1''(25.4mm)	
Programming Language		TSPL, ZPL	
Software	Label design	HPRT BarTender Ultralite	
	Seagull Driver	Windows 2000,XP,Vista,7,8,10	
Resident Fonts	Bitmap fonts	Fonts 0-8 / Fonts A-H,0,GS,P-V 90°, 180°, 270° rotatable. 10 times maximum expandable in horizontal and vertical directions.	
	TTF fonts	Monotype CG Triumvirate™ scalable true type font	

(2/2)

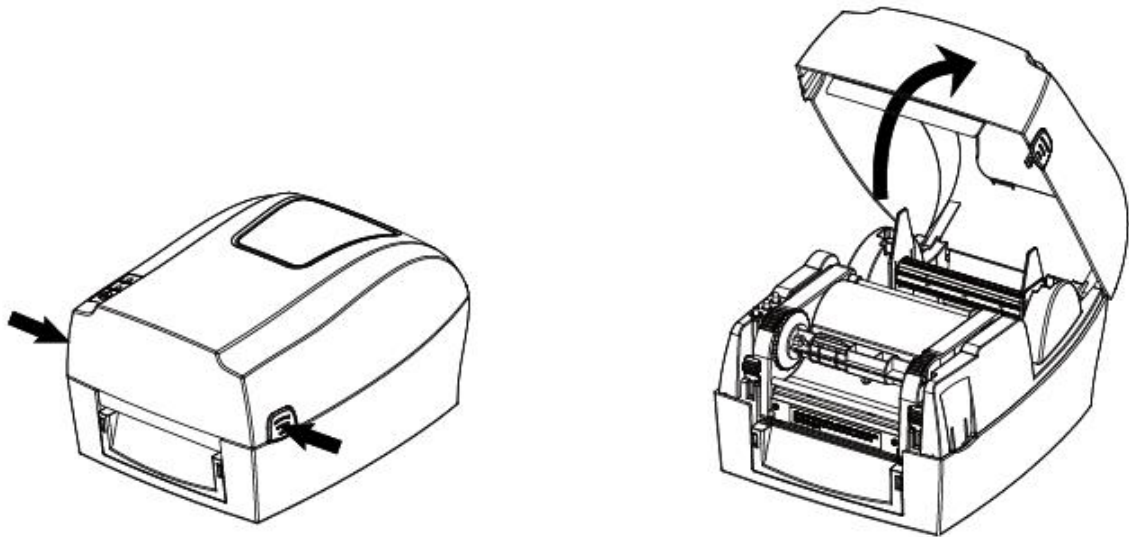
Items		Parameter
Download Fonts	Bitmap fonts	90°, 180°, 270° rotatable, single characters 90°, 180°, 270° rotatable
	Asian fonts	16x16, 24x24. Traditional Chinese, Simplified Chinese, Japanese , Korean
Code Pages		DOS437,720,737,755,775,850,852,855,856,857,858,860,862,863,864,865,866, Windows 1250,1251,1252,1253,1254,1255,1256,1257,1258 ISO8859-1,-2,-3,-4,-5,-6,-8,-9,-15 DBCS 932 (JIS), 936(GBK), 949 (Koran), 950(BIG5)
Barcode	1D	Code 39, Code 93, Code 128UCC, Code 128 subset A, B, C, Codabar, Interleave 2 of 5, EAN-8, EAN-13, EAN-128, UPC-A, UPC-E, EAN and UPC 2 (5) digits add-on, MSI, PLESSEY, POSTNET, RSS-Stacked, GS1 DataBar, Code 11
	2D	PDF417, Maxicode, DataMatrix, QR Code, Aztec
Interfaces	Standard	USB,RS232,Ethernet
	Optional	Bluetooth,WiFi (user install)
Control Panel		Two bi-color status LEDs:Ready,Status Control key:Feed
Power		AC/DC switching power adapter I/P: AC100-240V, 50/60Hz, O/P: DC 24V/2.5A
Environment	Operation	41°F (5°C)-104°F (40°C), 30%-85%,non-condensing
	Storage	-4°F (-20°C)-122°F (50°C), 10%-90%,non-condensing
Physical Characteristics	Dimension(L*W*H)	285*226*171mm
	Weight	2.26kg,excluding consumables
Options & Accessories		External label roll holder for 8'' (203mm) OD label rolls Cutter module Peeler module
Agency Approvals		FCC,CE

Chapter 3 Installation & Usage

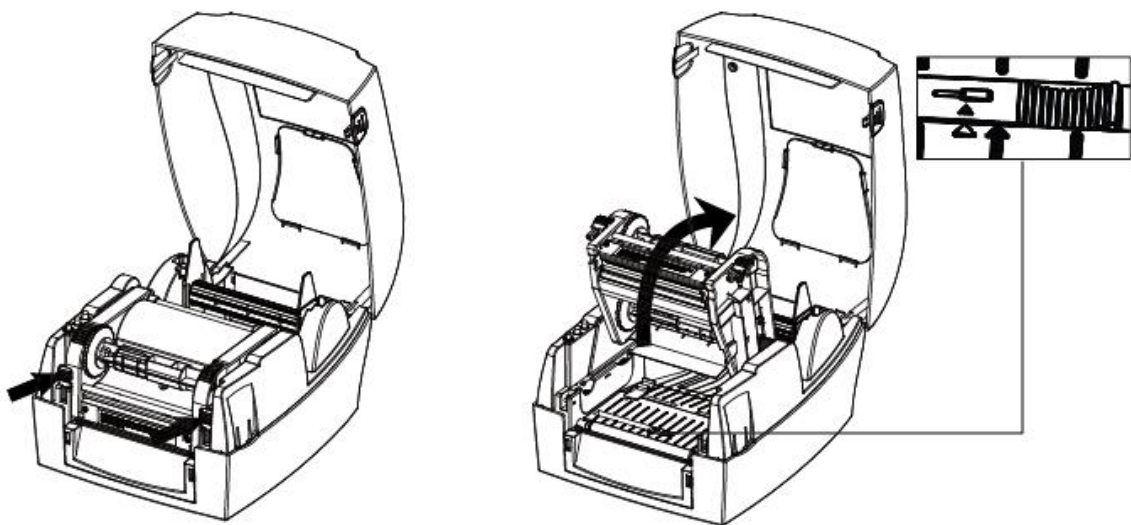
3.1 Media Loading

3.1.1 Paper Roll Loading

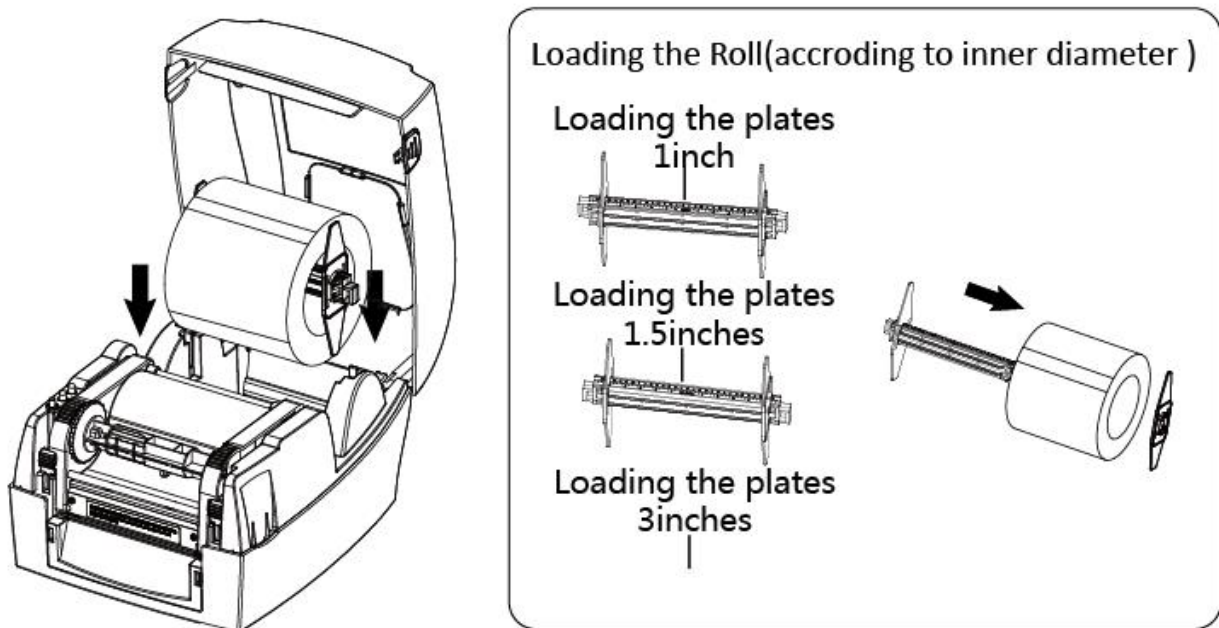
1. Press the cover open buttons and lift the printer cover.



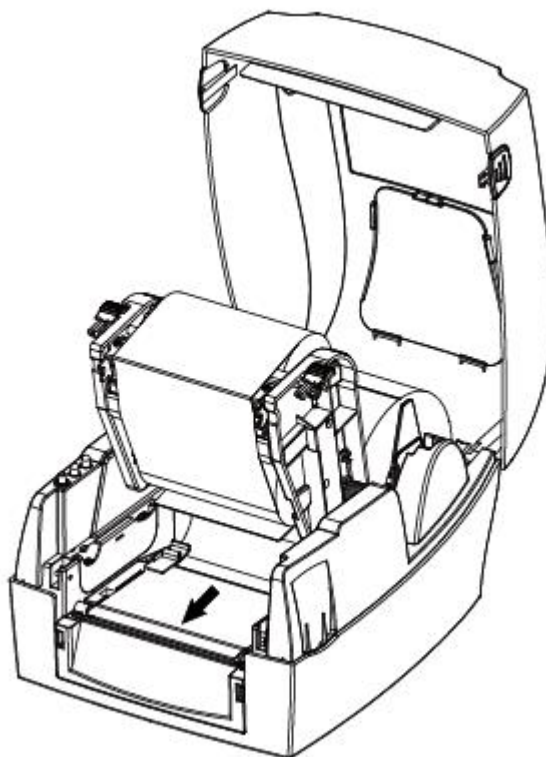
2. Release the latches and lift the printer mechanism.



3.Put the roll into label supply spindle and then put the roll module into the printer.



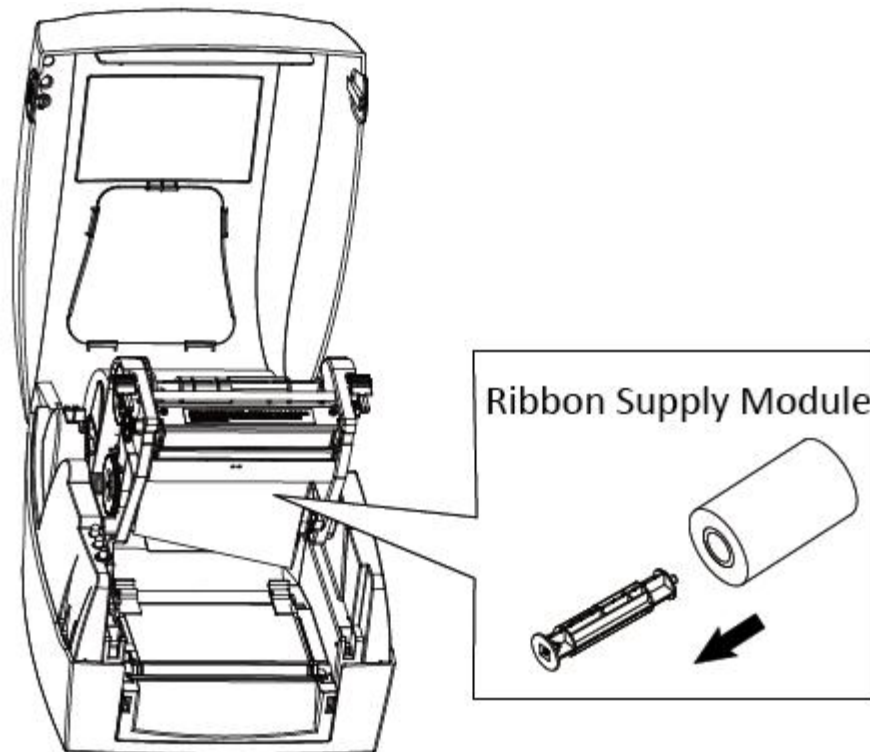
4.Release and lift the printer mechanism. Then pass the labels through label guides and adjust label guides to label's width.



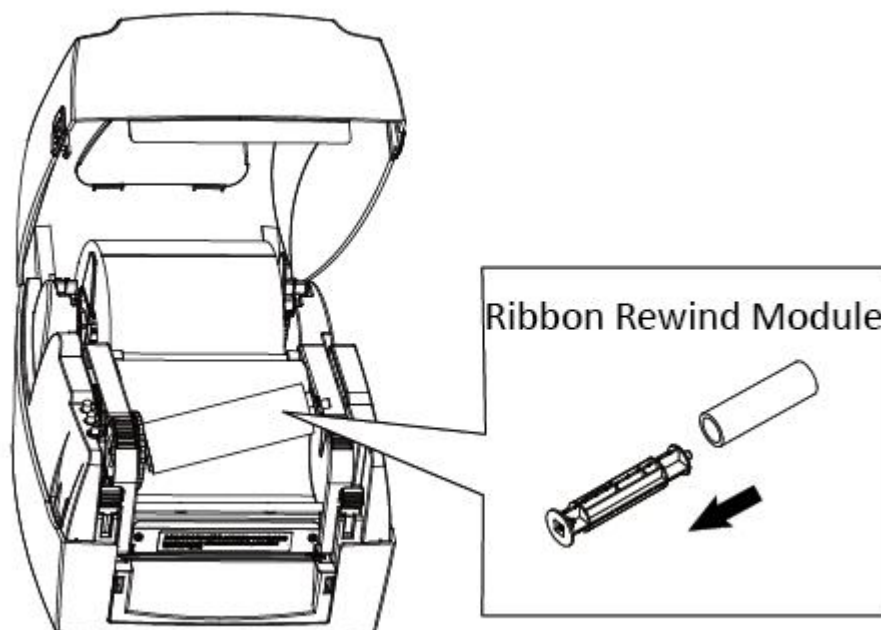
Note: If your printer is under Thermal Line Printing Method, press down the printer cover until it snaps closed. Otherwise, continue the procedure in chapter 3.1.2.

3.1.2 Ribbon Loading

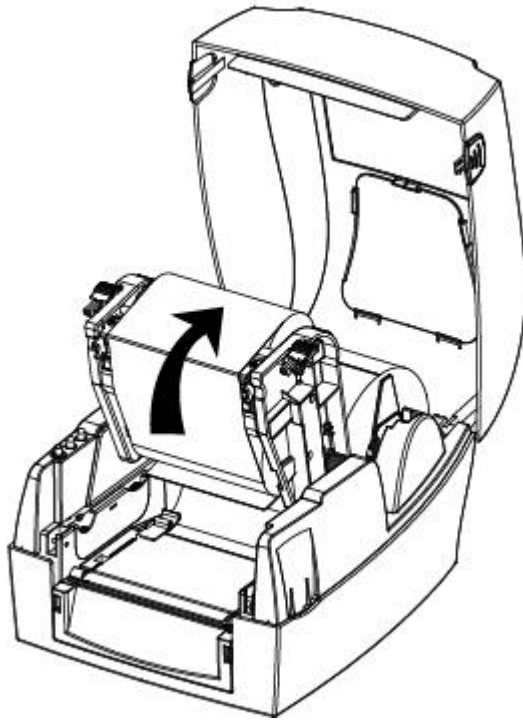
1. After putting the ribbon into spindle, insert the left side of supply module into supply wheel, and then insert the right side into the groove below.



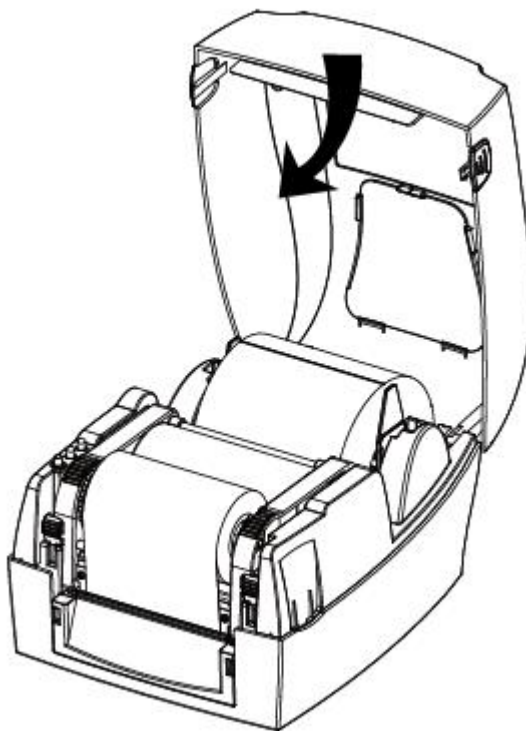
2. After putting empty ribbon core into spindle, insert the left side of rewind module into rewind wheel, and then insert the right side into the groove above.



3. Pull up the ribbon and stick it to the empty ribbon core. Wind the core 2~3 circles until the ribbon is pulled tightly.

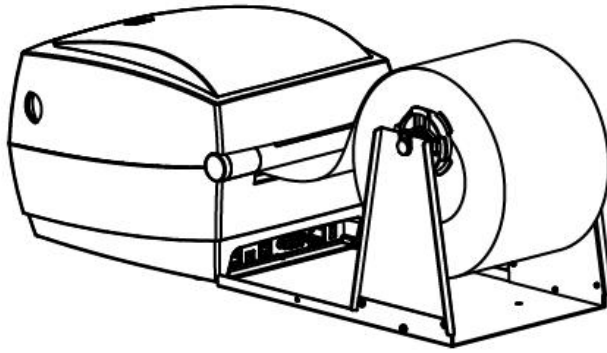


4. Fix the mechanism and then close the cover.



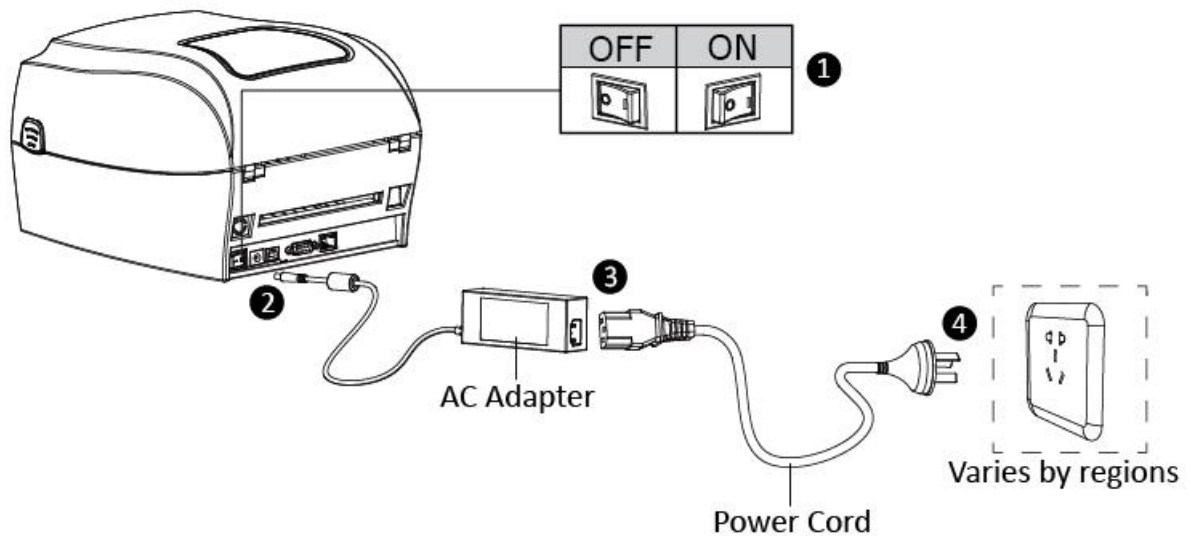
3.1.3 External Paper Roll Loading

If the paper roll is extremely large, users can load the paper roll outside(See the graph at right). Pass the paper through the external feed slot and then through the paper guides.



3.2 Power Connection

1. Make sure the printer's power switch is in the off position.
2. Connect the AC adapter to power receptacle.
3. Connect the power cord to AC adapter.
4. Connect the other end of power cord to the outlet.



! NOTE:

- Use the original power adapter only. Avoid the damage caused by charging improperly.
- Please unplug the printer power cord if it is not in use for a long time.

3.3 Peripherals Connection

3.3.1 Interface Cable Connection

The standard for the printer's interface cable shows in the following.

- USB B-Type Cable
- RS-232C(Serial) Cable
- RJ45 Cable

Please follow the instructions to connect the cable.

- 1) Turn off the power switch.
- 2) Connect the communication cable to the printer communication port to be used.
 - Connect USB B-Type cable to the USB port.
 - Connect the RS-232C(Serial) cable to the serial port.
 - Connect the RJ45 cable to the ethernet port.

3.3.2 Bluetooth Connection

PDA with Bluetooth interface, laptop and other information terminals can drive the mobile thermal printer HT300 or HT330. Instructions as follows:

1. Power on printer.
2. Primary device search for outer Bluetooth devices.
3. If there are some outer Bluetooth devices, choose HT300 or HT330.
4. Finish pairing.

Detailed pairing methods, please refer to primary devices Bluetooth Names.

After pairing, primary devices with virtual Bluetooth interface (smart phone , pocket PC, palm, notebook) can drive mobile thermal printer HT300 or HT330 to printer through such virtual Bluetooth interface.



Note: The original code is 1234.

3.4 Detection

When printing paper, the moveable label sensor is used to detect paper. The label sensor moves differently when using various kinds of paper. If user moves the sensor improperly, paper may not be detected, therefore the printer could not print paper. The following instructions tell users how to use label sensor correctly. Please read it carefully.

3.4.1 Continuous Paper

When printing continuous paper(Figure 1), the sensor shall be aimed at the left photoelectric hole (Figure 2), which is the original position.

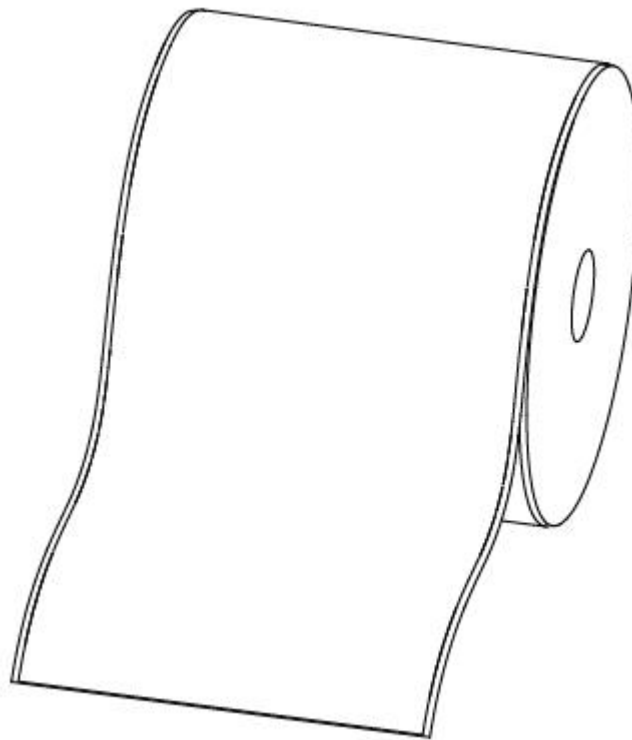


Figure 1 (Continuous Paper)

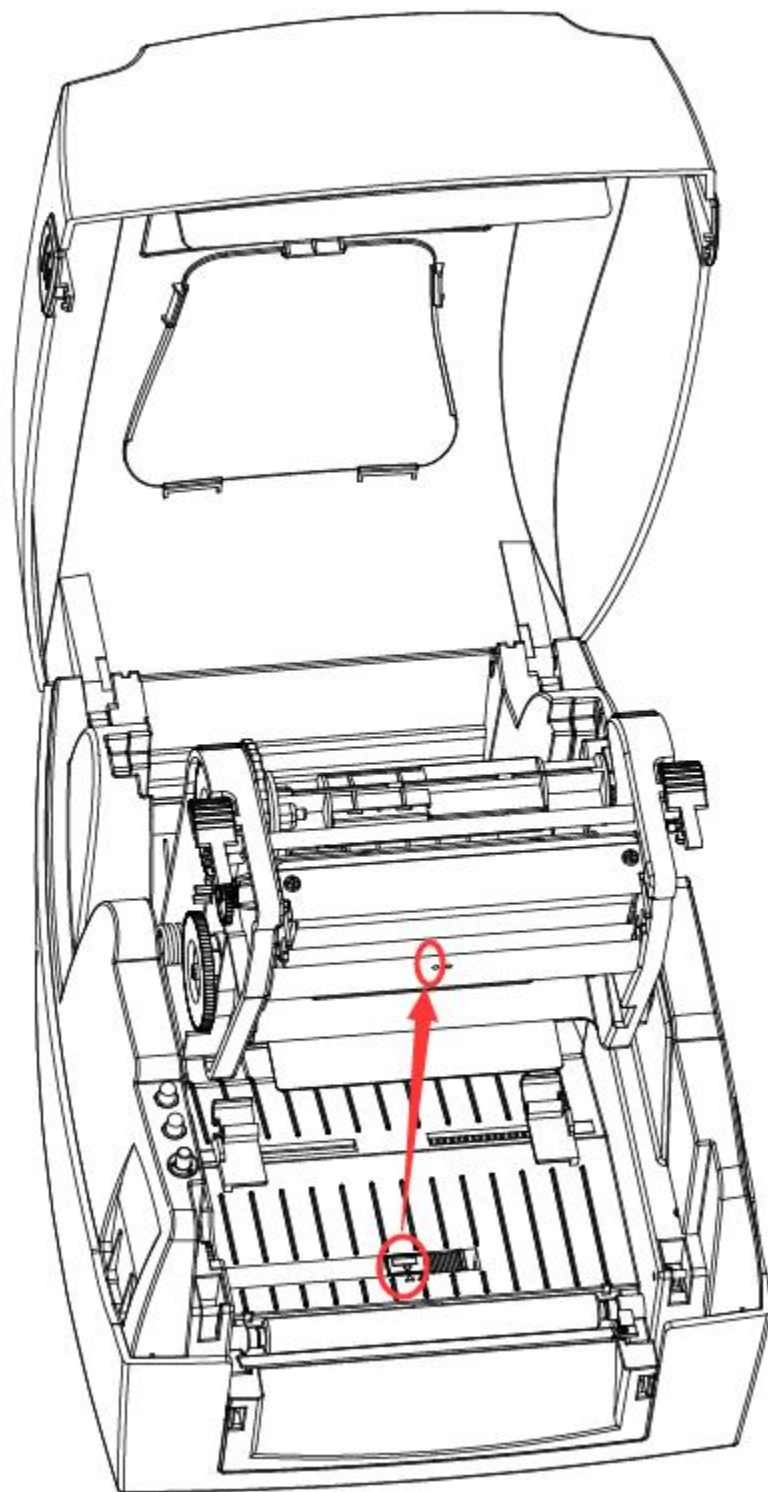


Figure 2 (Left)

3.4.2 Double-row Labels

When printing double-row labels(Figure 3), the sensor shall be aimed at the left photoelectric hole (Figure 4), which is the original position.

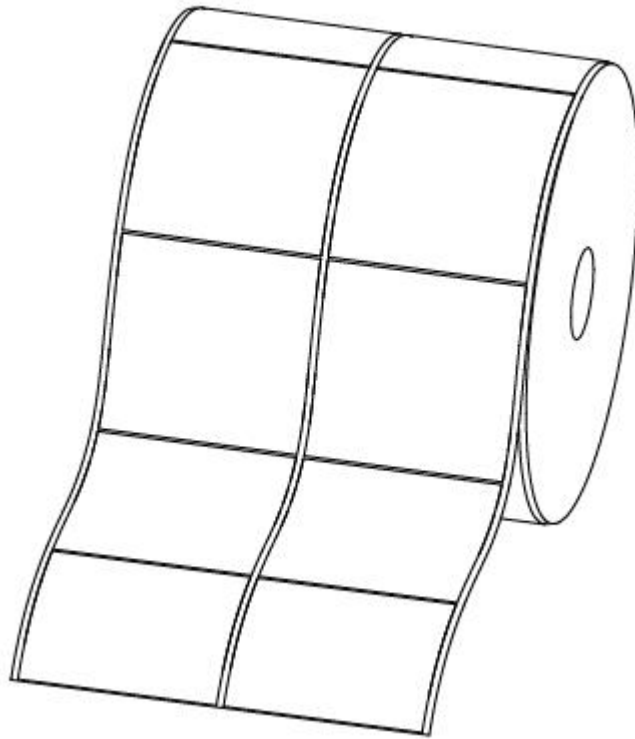


Figure 3 (Double-row Labels)

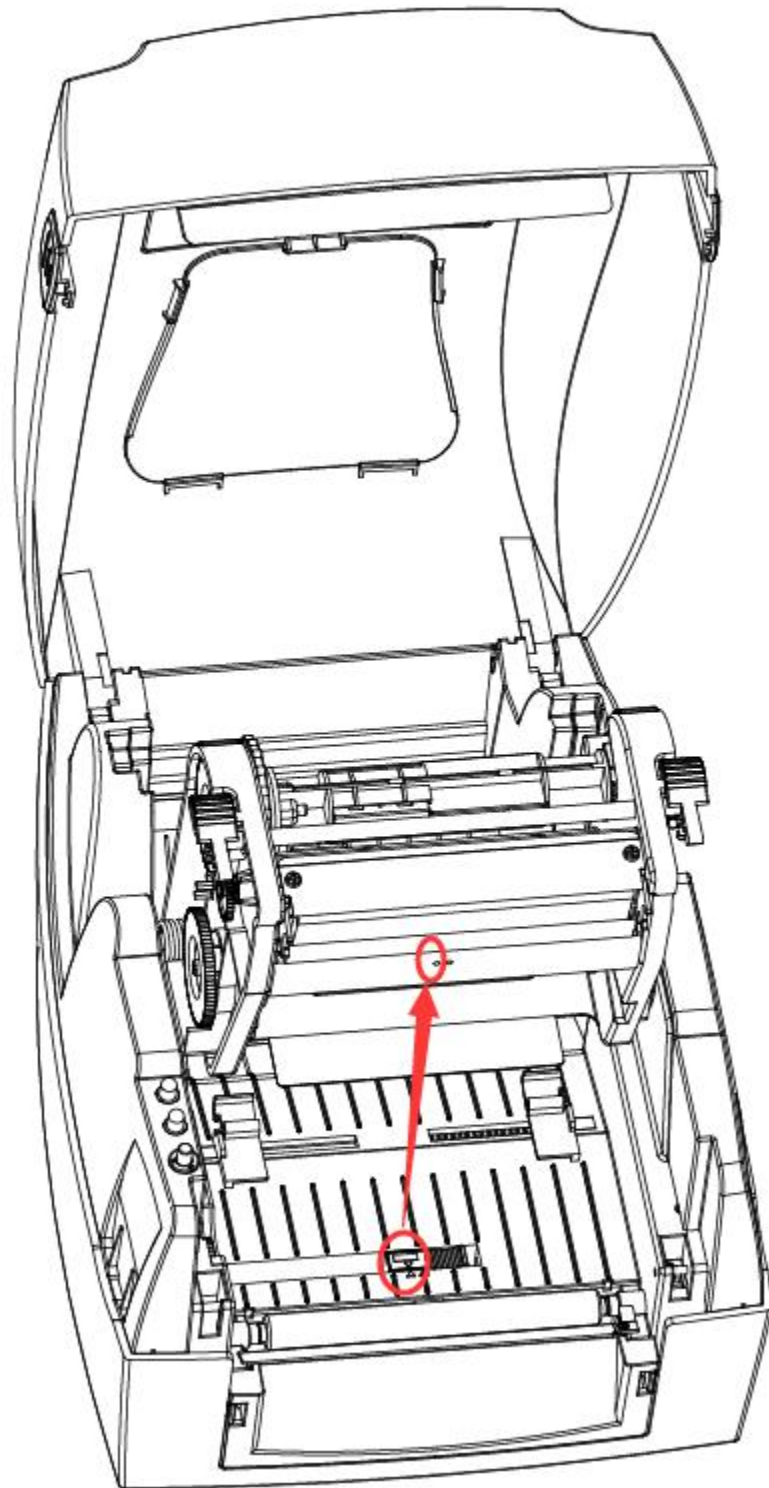


Figure 4 (Left)

3.4.3 Punched Hole Label

When printing punched hole labels, move the sensor until it's aimed at the right photoelectric hole(Figure 5).

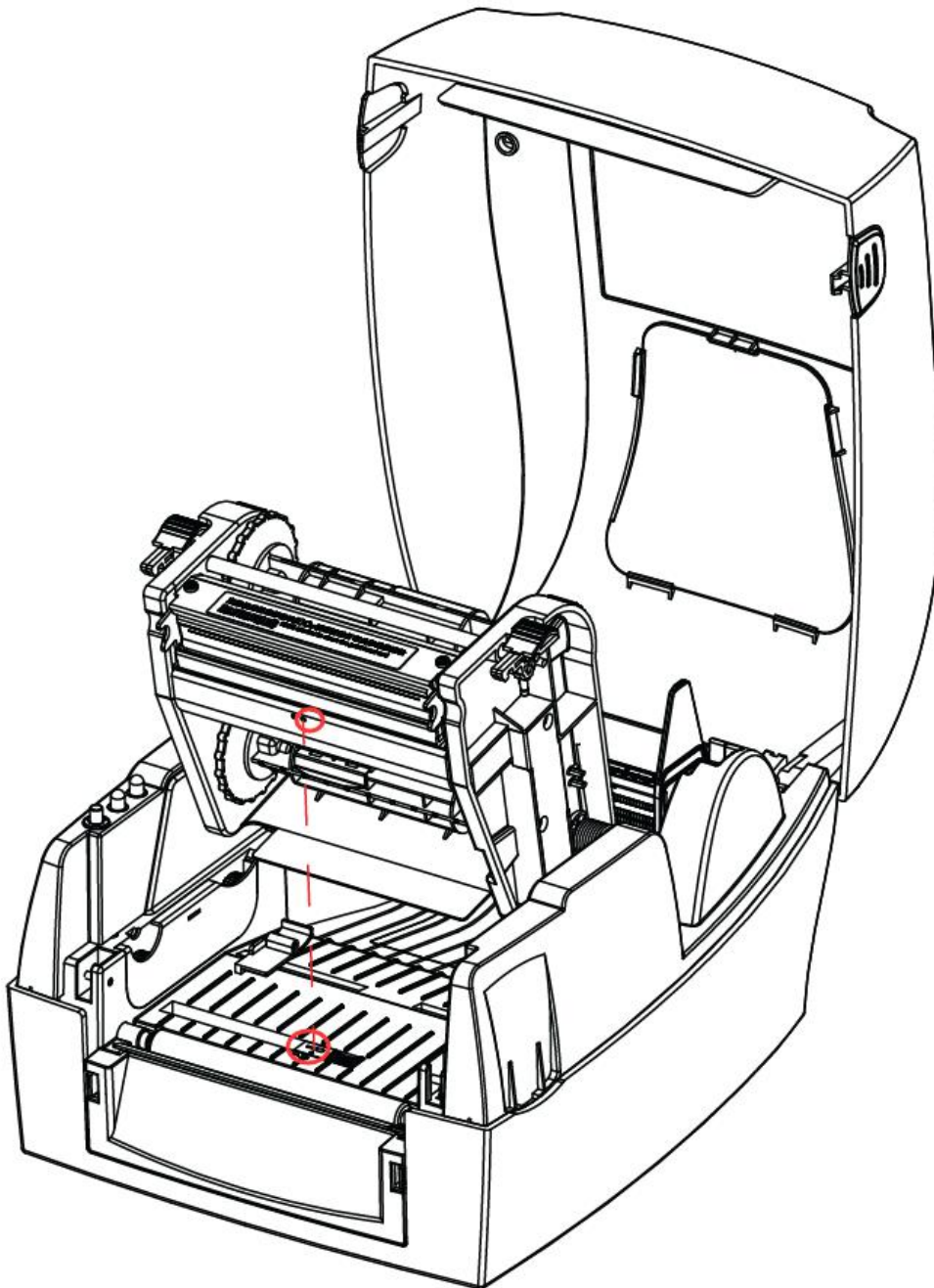


Figure 5 (Right)

3.4.4 Label

When printing labels (thermal label/label)(Figure 6), the sensor shall be aimed at the left photoelectric hole (Figure 7), which is the original position.

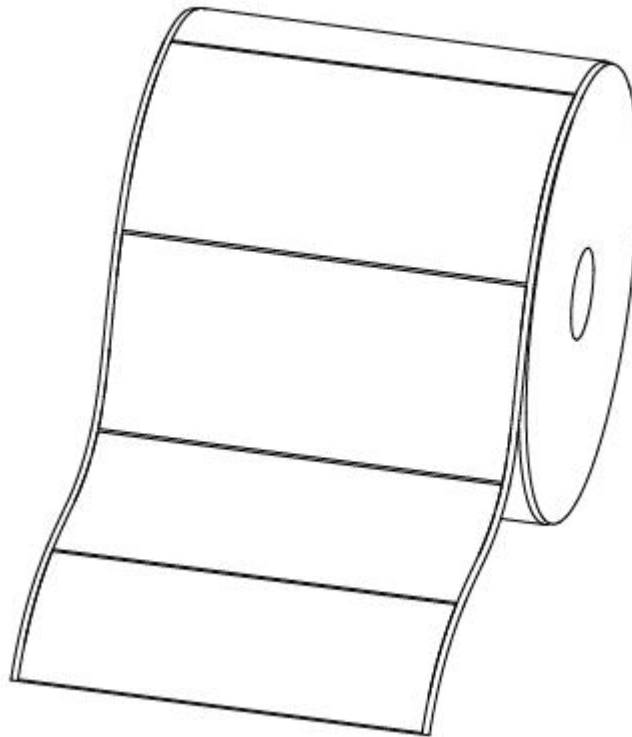


Figure 6 (Labels)

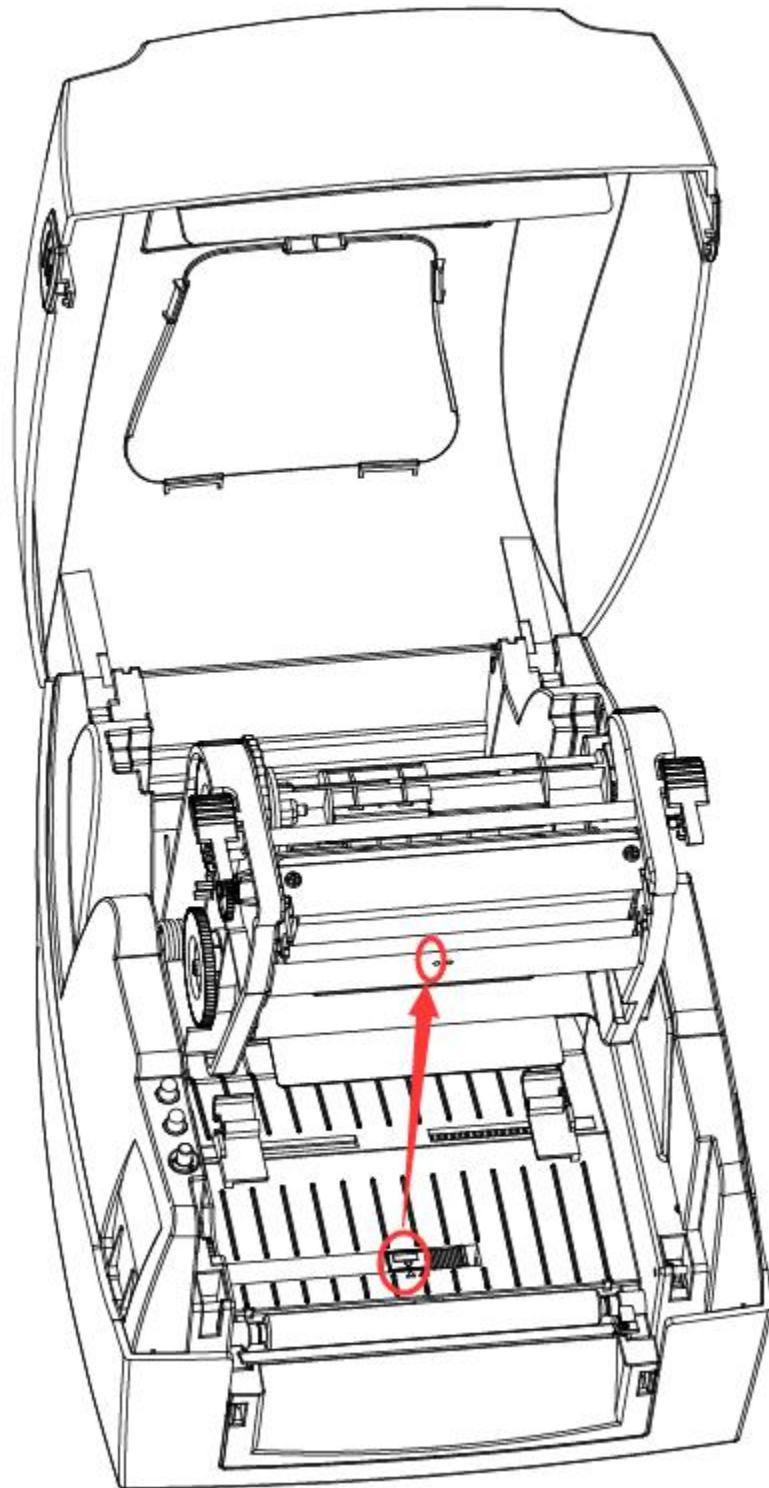


Figure 7 (Left)

3.4.5 Blackmark Paper

When printing blackmark paper(Figure 8), the sensor shall be aimed at the position of black mark(Figure 9).

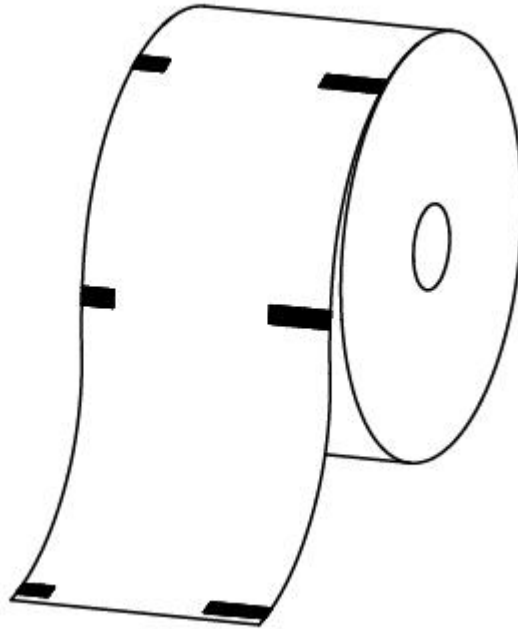


Figure 8 (Blackmark Paper)

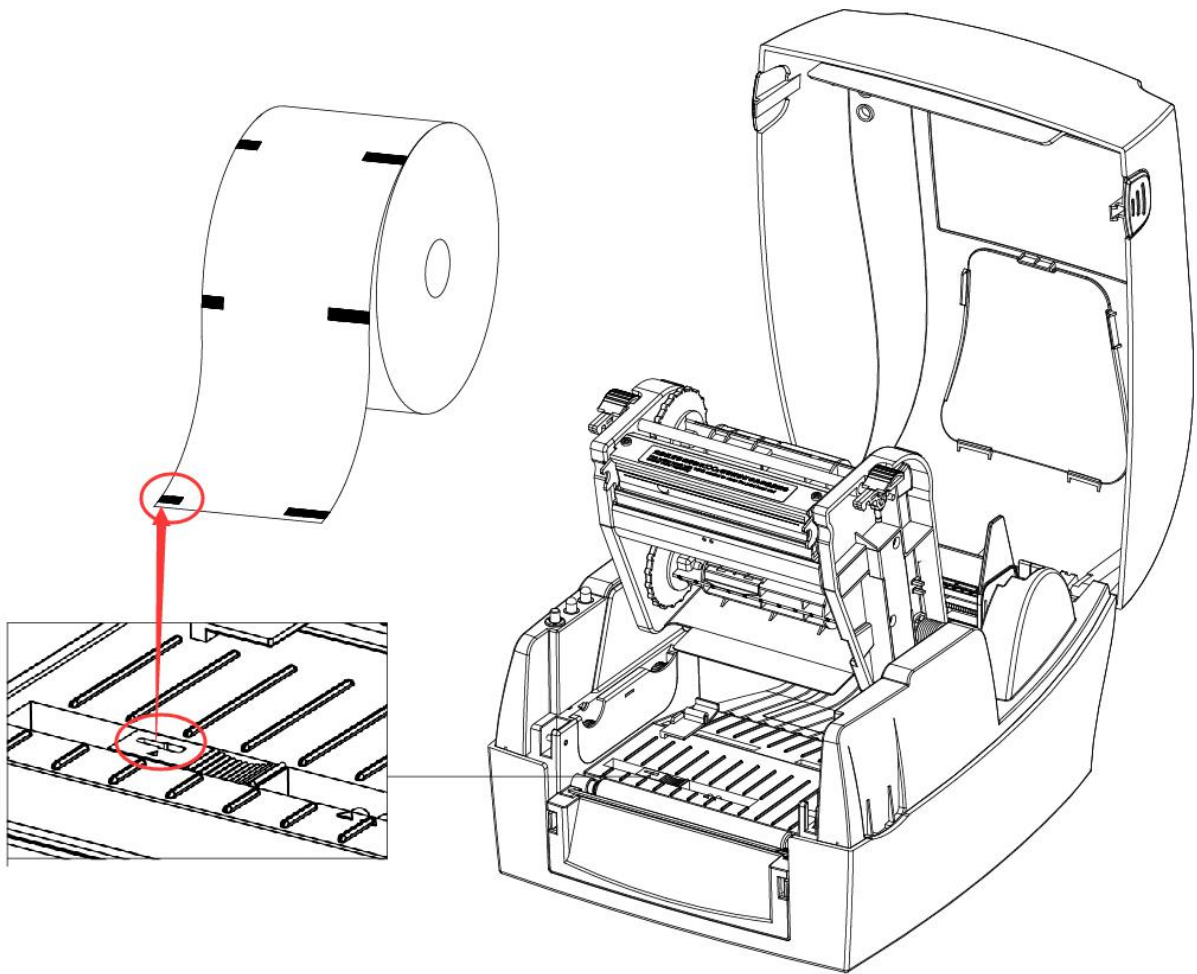
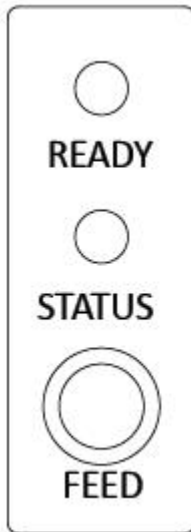


Figure 9 (aimed at blackmark's position)

3.5 Operation Panel



1)READY indicator and STATUS indicator

Indicate the printer information for user for different color and status of indicator.

2)FEED button

Pressing FEED button, printer will feed paper to the specified position according to the paper type. When using continuous paper, pressing feed button once will feed a fixed distance.

When using label paper, pressing FEED button once will feed a whole label paper.

NOTE: If printer can't locate correctly when using label paper, please carry out label detection according to 3.4.

Description of indicator status:

Ready		Status		
Color	Action	Color	Action	Indicator Status
Green	Lit on	X	X	Ready
Green	Slow flash	X	X	Dump mode
Red	Lit on	X	X	Overheat of printhead
Red	Slow flash	X	X	Ribbon out
X	X	Red	Lit on	Head up
X	X	Red	Slow flash	Paper out
X	X	Red	Quick flash	Abnormal label calibration
Orange	Lit on	X	X	Out of ready
Orange	Quick flash	X	X	Data is written on flash
X	X	Orange	Slow flash	Paper jam or label's separation
X	X	Green	Lit on	Printing
X	X	Green	Slow flash	Pause of printing
X	X	Green	Quick flash	Receiving data

3.6 Basic Operation

3.6.1 Power on/power off

Press “O” to power off the printer. Press “I” to power on the printer.

3.6.2 Feed Button

Pressing FEED button, printer will feed paper to the specified position according to the paper type. When using continuous paper, pressing FEED button once will feed the fixed distance. When using labels, pressing FEED button once will feed a whole label.

3.6.3 Quick Calibration



Note: Users must carry out the calibration under the conditions below:

- The first time to use the printer since installation;
- The first time to use the printer since sensor cleaning;
- Reuse the printer when it has not been used for a long time;
- Change a new type of media;
- Printer cannot recognize the mark;
- Huge change of the operating environment;

Calibration method:

1. Carry out the calibration manually.

When printer is ready, press the FEED button until the status indicator(Green) flashes twice. Then release the button, and printer will start to do the calibration. When printer does the calibration under Continuous Media Mode, the calibration is invalid.

2. Carry out the calibration by printer utility tool. Please refer to detailed information in “Chapter 6 Label Printer Utility Instructions”.



Caution: After the calibration, users could open the printer cover to pull back the learned paper in avoid of paper wasting.

3.6.4 Printing Self-test Page

The self-test checks the printer's current settings, status and whether the printer has any problems or not.

1.Printing Manually

- 1) Make sure the roll is loaded properly.
- 2) Make sure the top cover and mechanism of the printer are closed properly. Then turn on the printer.
- 3) When the printer is ready, press the feed button continuously. As soon as the indicator flashes (green) once, loosen the button. Then the printer starts to print the self-test page.

2.Printing by Windows Driver Program

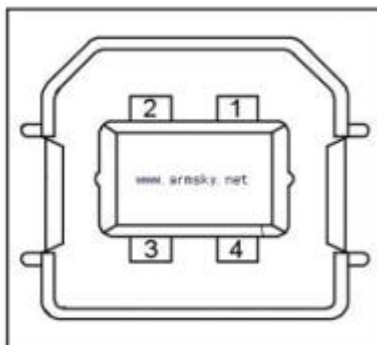
- 1) Install the Windows Driver program.
- 2) Please set the "Interface" as the type you use.
- 3) Use the Windows Driver Program to print out the "Self-test page".
- 4) Please refer to "Chapter 7 Seagull Windows Driver Instructions" for more detailed information.

3.Printing by HPRT BarTender Ultralite Program

- 1) Install the HPRT BarTender Ultralite program.
- 2) Edit a new label and print it.
- 3) Please refer to "Chapter 8 BarTender® Ultralite Instructions" for more detailed information.

Chapter 4 Interface

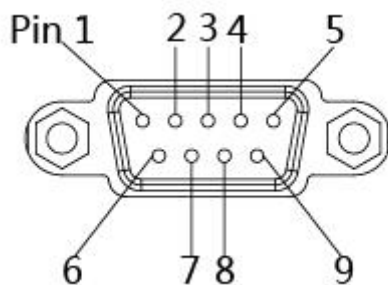
4.1 USB Interface



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

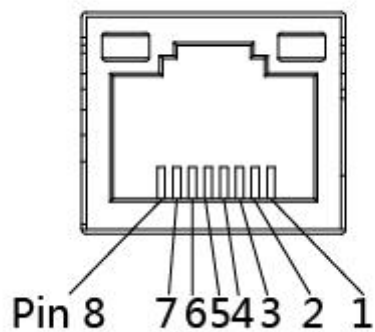
4.2 Other Optional Interfaces

■ Serial Port



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

■ Ethernet Port



PIN	SIGNAL NAME
1	TX+
2	TX-
3	RX+
4	-
5	-
6	RX-
7	-
8	-

Chapter 5 Maintenance & Adjustment

Adhesives and coatings of the media can transfer to the printer parts over time along the media path including the thermal print head and media sensor. This build-up can accumulate dust and debris. Failure to clean the print head, media path, and media sensor could result in inadvertent loss of labels, label jams and possible damage to the printer.



Caution

- Make sure to turn off the printer prior to cleaning.
- As the print head gets hot during printing, if intending to clean the print head, turn the printer off and wait approximately 2~3 minute before commencement.
- When cleaning the print head, take care not to touch the heated portion of the print head. Print Head is susceptible to damage from static electricity, etc. So it is strongly recommended to wear hand gloves during cleaning progress.
- Take care not to allow the print head become scratched and/or damaged in any way.

5.1 Cleaning Media Sensor

Debris or dirt on the paper sensor can cause a miss-read or unstable detection of the label gap. Clean with a cotton bud dampened with alcohol.

5.2 Cleaning Thermal Print Head

Thermal Paper stock on the print head, which degrades print quality. Clean the print head with methanol or isopropyl alcohol and a cotton bud. Do not touch the heating elements with your fingers.

- 1) Open the Printer Cover and then use the cleaning pen to clean the head in the direction from the center of the head to two sides.
- 2) After cleaning the head, do not use the printer until the alcohol used for cleaning evaporates completely (1~2 min) and the printer has completely dried.
- 3) Perform the cleaning process each time the paper roll is replaced to prevent print quality deterioration.

5.3 Cleaning Roller and/or Paper Path

- 1) Open the printer cover and then remove the paper.
- 2) Remove any dust or foreign substance using dry cloth or cotton swab.
- 3) Soak the cloth or cotton swab in alcohol for medical use and use it to remove adhesive foreign substances or other pollution materials.
- 4) After cleaning the parts, do not use the printer until the alcohol evaporates completely (1~2 min) and the printer has completely dried



Note: Clean the parts when print's quality or label detection degrades.

Chapter 6 Label Printer Utility Instructions

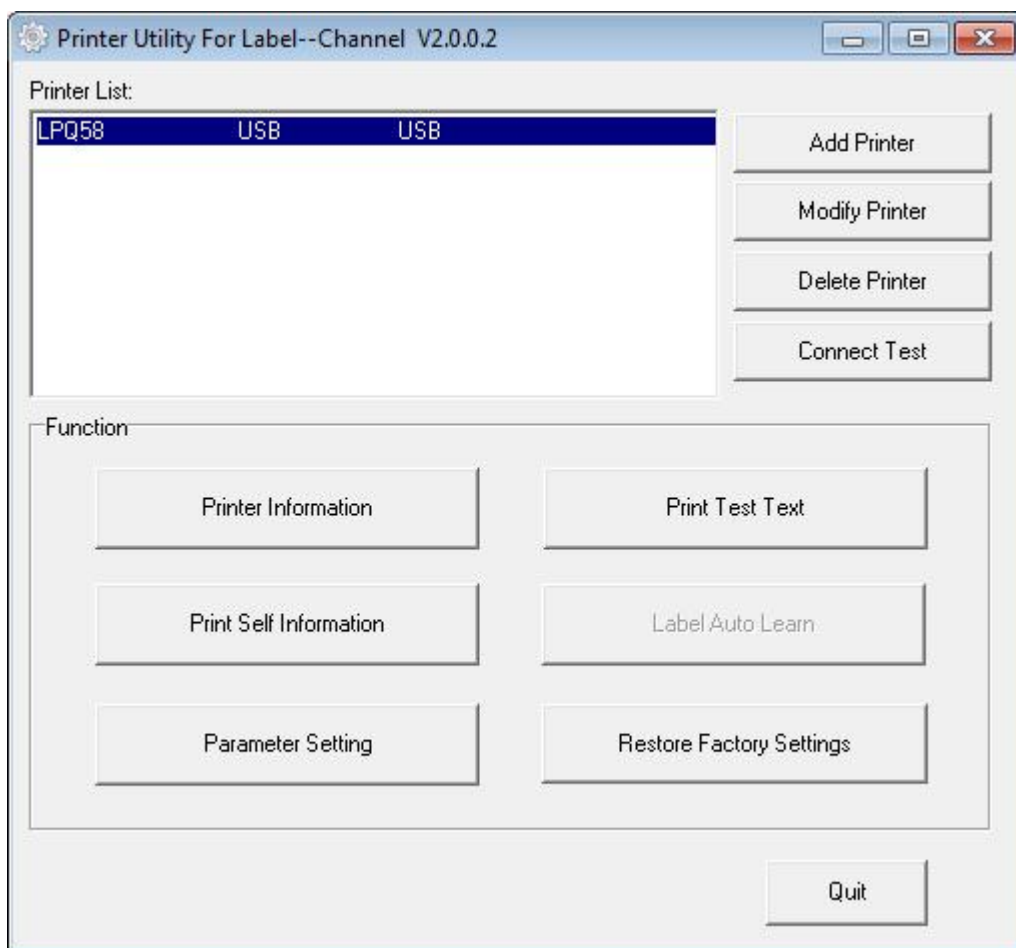
6.1 Installation Preparation

Download the application program in CD. eg: HPRTUtilityForLabel_Channel V2.0.0.2.

6.2 Usage

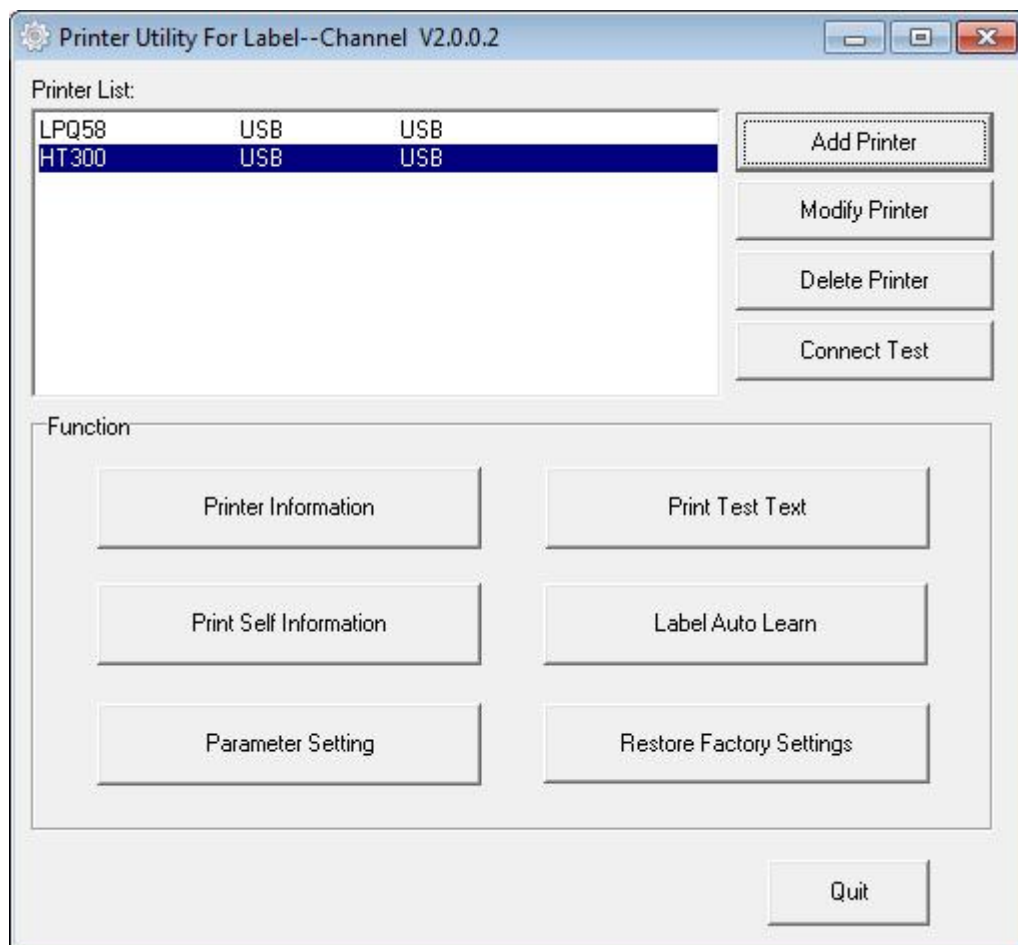
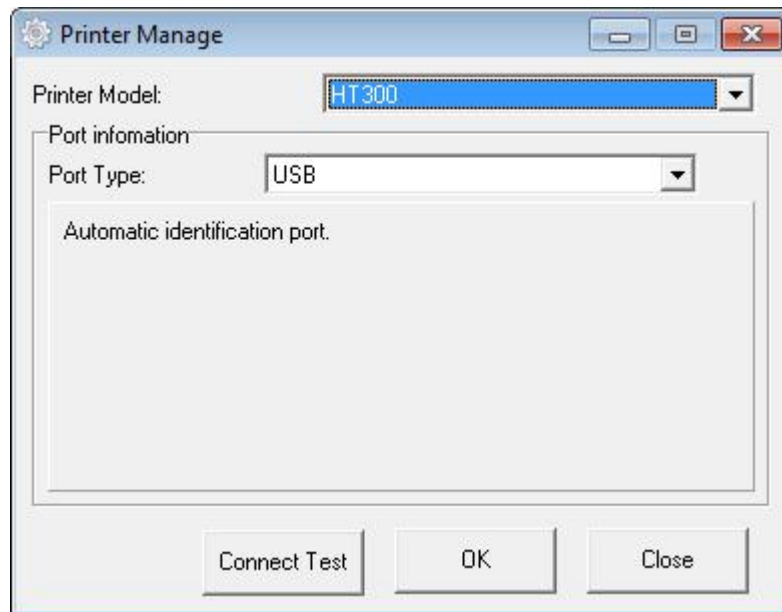
Note: The screen may vary slightly by different operating systems and models. Take HT300 as example. Please refer to HT300 when using HT330.

(1) Install “HPRTUtilityForLabel_Channel V2.0.0.2.exe”, then open the “HPRTUtility”.

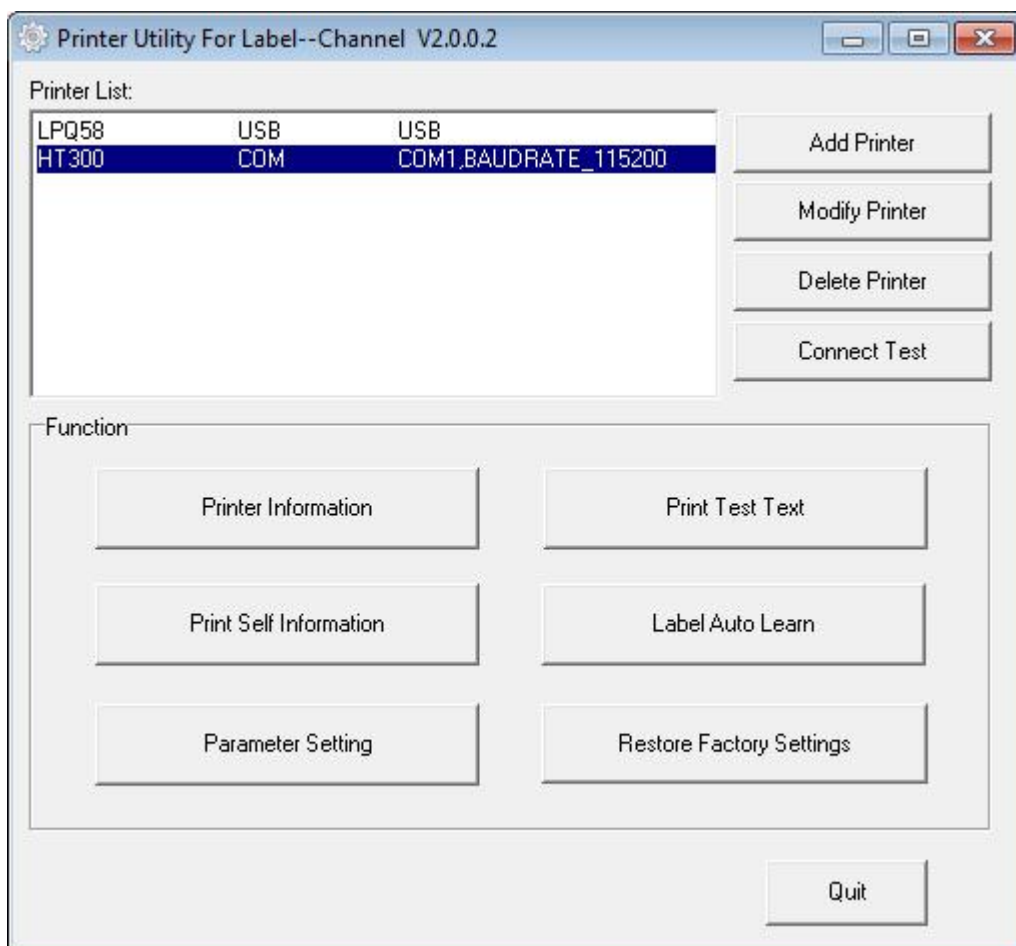
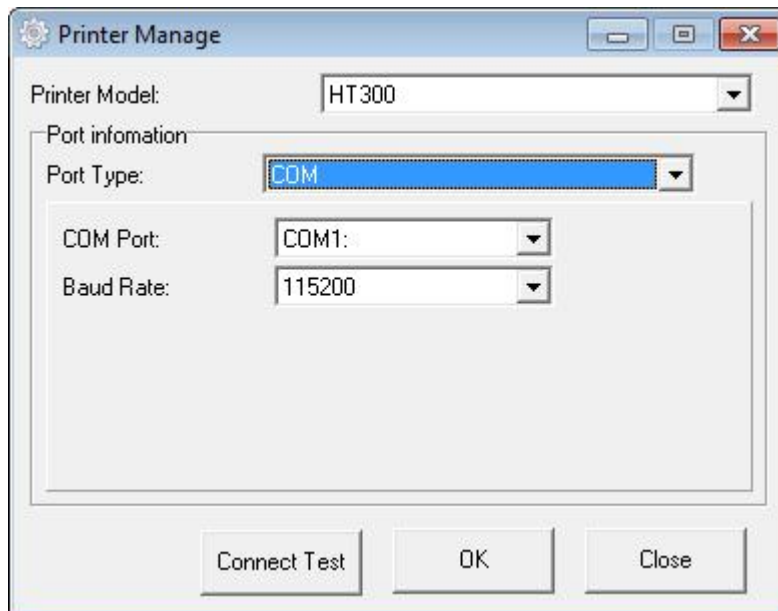


(2)Add/Modify/Delete Printer, Connect Test.

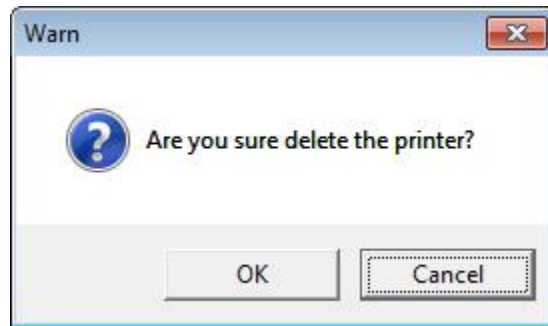
- Click “Add Printer”. Choose the printer and port(eg: USB), then click “OK”, showed in “Printer List”.



- Click “Modify Printer”. Choose the printer and port(eg: COM1), then click “OK”, showed in “Printer List”.



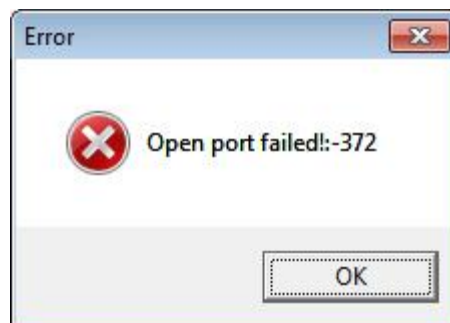
●Click “Delete Printer”. Click “OK” to delete the printer, and click “Cancel” to cancel the command.



●Click “Connect Test” to test whether the connection is successful or not.
If connection succeeds, it shows as follows.



If connection fails, it shows as follows.

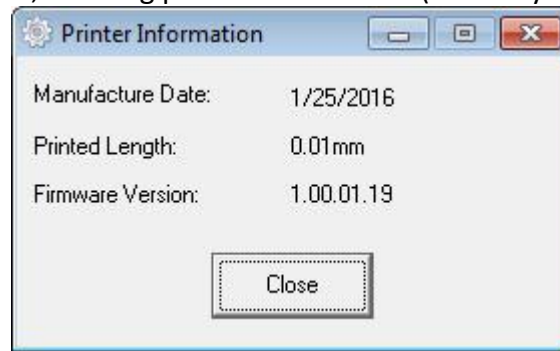


Note:

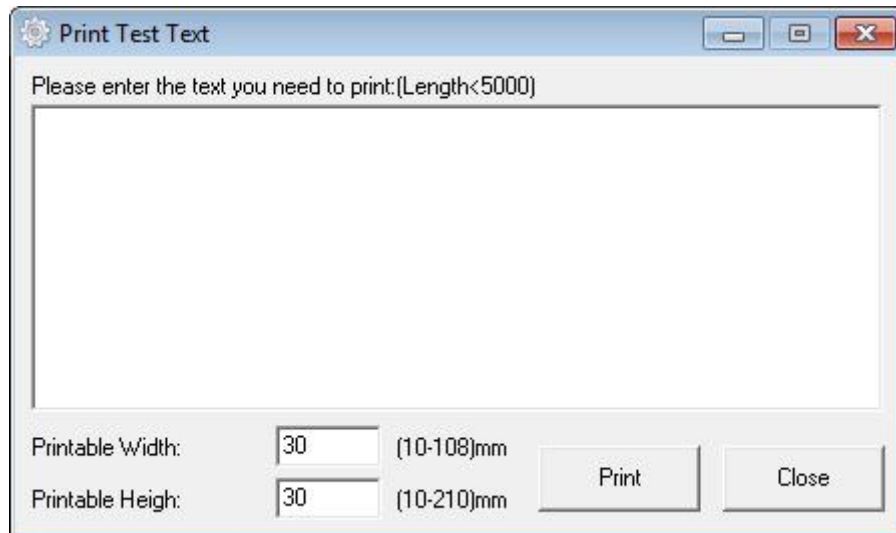
- 1.Connect printer to power first, then choose one port (depended on the printer you bought) to connect to the PC. Much more information of connecting method is contained in “3.3 Peripherals Connection”.
- 2.When connection fails, please check the connection and whether it matches or not.(When USB port is used, it is better to connect one printer only.)

(3)Function.

- Click “Printer Information”, showing printer information.(varies by different printers)



- Click “Print Test Text”. Type the text and set up the printing range. Click “Print”, then printer starts to print the test text.



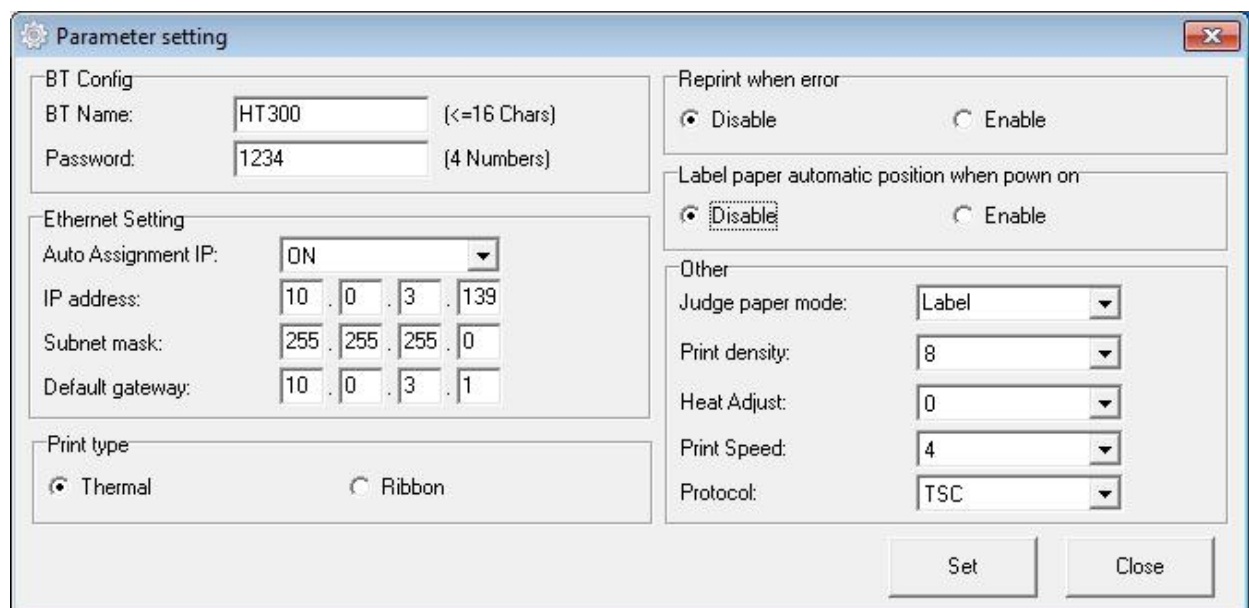
- Click “Print Self Information”, then printer starts to print self-test page.

Print Self Information

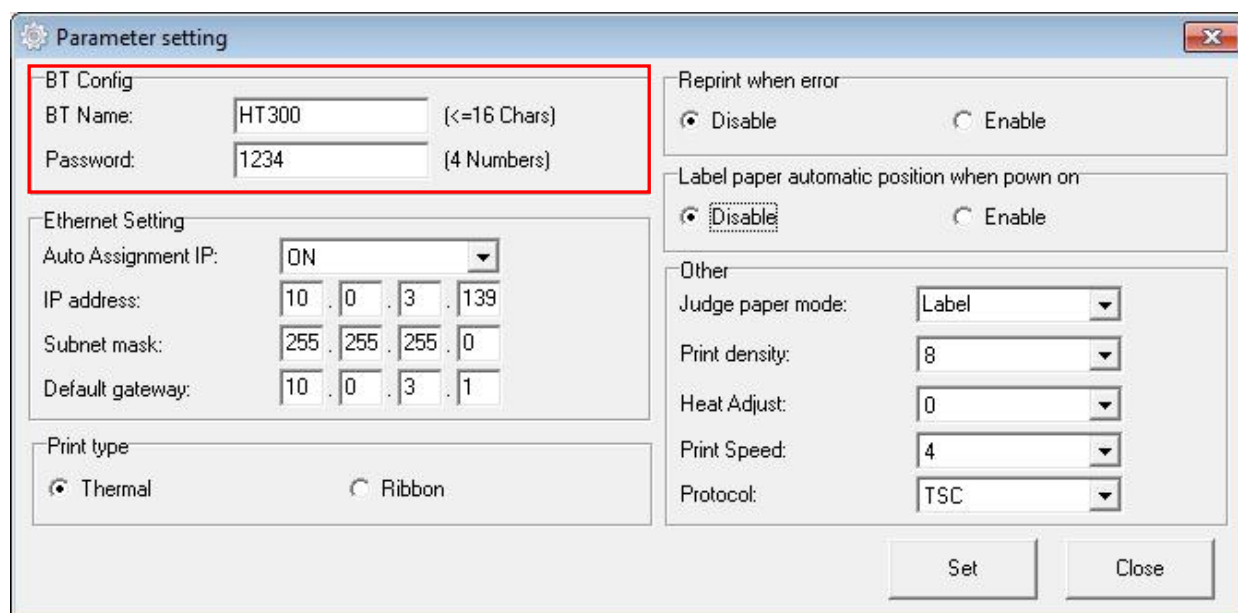
- Click “Label Auto Learn”, then printer will carry out the calibration.

Label Auto Learn

- Click “Parameter Setting”.



BT Config:



The image shows a 'Parameter setting' dialog box. The 'BT Config' section is highlighted with a red rectangle. It contains fields for 'BT Name' (HT300, with a note '<=16 Chars') and 'Password' (1234, with a note '(4 Numbers)'). Other sections include 'Ethernet Setting' (Auto Assignment IP: ON, IP address: 10.0.3.139, Subnet mask: 255.255.255.0, Default gateway: 10.0.3.1), 'Print type' (Thermal selected, Ribbon unselected), 'Reprint when error' (Disable selected, Enable unselected), 'Label paper automatic position when pown on' (Disable selected, Enable unselected), and 'Other' (Judge paper mode: Label, Print density: 8, Heat Adjust: 0, Print Speed: 4, Protocol: TSC). 'Set' and 'Close' buttons are at the bottom right.

Parameter setting

BT Config

BT Name: HT300 (<=16 Chars)

Password: 1234 (4 Numbers)

Ethernet Setting

Auto Assignment IP: ON

IP address: 10 . 0 . 3 . 139

Subnet mask: 255 . 255 . 255 . 0

Default gateway: 10 . 0 . 3 . 1

Print type

☒ Thermal ☐ Ribbon

Reprint when error

☒ Disable ☐ Enable

Label paper automatic position when pown on

☒ Disable ☐ Enable

Other

Judge paper mode: Label

Print density: 8

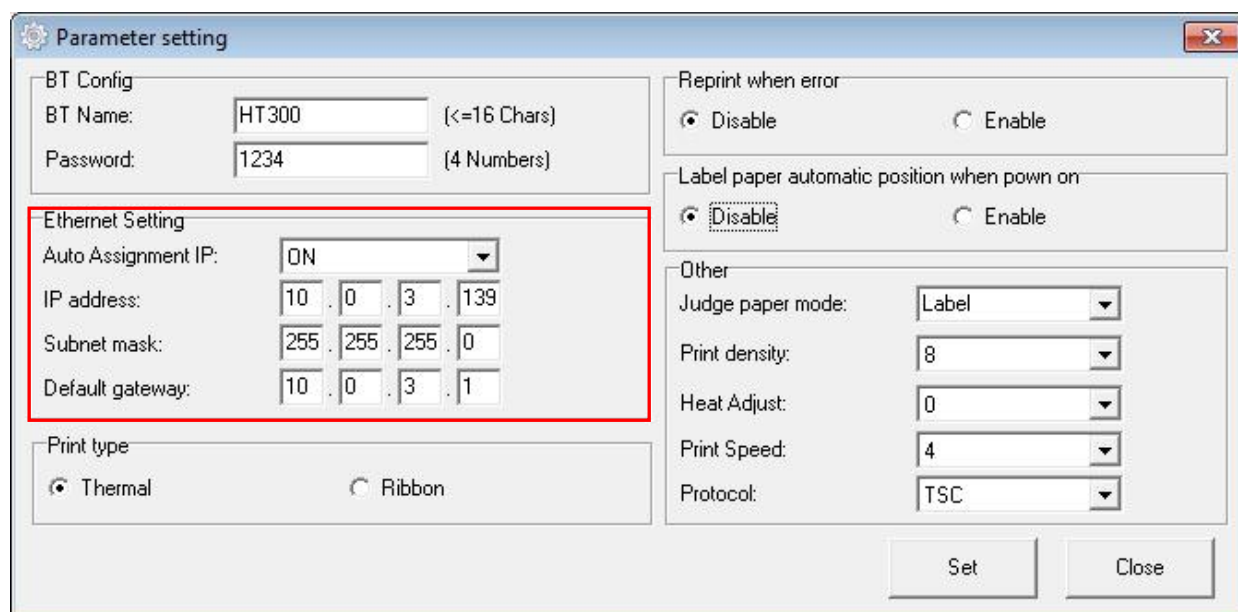
Heat Adjust: 0

Print Speed: 4

Protocol: TSC

Set Close

Ethernet Setting:



The image shows the same 'Parameter setting' dialog box as above, but the 'Ethernet Setting' section is highlighted with a red rectangle. The 'BT Config' section is now unhighlighted. All other settings and the layout remain identical to the previous image.

Parameter setting

BT Config

BT Name: HT300 (<=16 Chars)

Password: 1234 (4 Numbers)

Ethernet Setting

Auto Assignment IP: ON

IP address: 10 . 0 . 3 . 139

Subnet mask: 255 . 255 . 255 . 0

Default gateway: 10 . 0 . 3 . 1

Print type

☒ Thermal ☐ Ribbon

Reprint when error

☒ Disable ☐ Enable

Label paper automatic position when pown on

☒ Disable ☐ Enable

Other

Judge paper mode: Label

Print density: 8

Heat Adjust: 0

Print Speed: 4

Protocol: TSC

Set Close

Print type:

The 'Parameter setting' dialog box is shown with the 'Print type' section highlighted by a red rectangle. The 'Thermal' radio button is selected.

Section	Field	Value	Constraint
BT Config	BT Name	HT300	(<=16 Chars)
	Password	1234	(4 Numbers)
Ethernet Setting	Auto Assignment IP	ON	
	IP address	10 . 0 . 3 . 139	
	Subnet mask	255 . 255 . 255 . 0	
	Default gateway	10 . 0 . 3 . 1	
Print type	Thermal	<input checked="" type="radio"/>	
	Ribbon	<input type="radio"/>	
Reprint when error	Disable	<input checked="" type="radio"/>	
	Enable	<input type="radio"/>	
Label paper automatic position when pown on	Disable	<input checked="" type="radio"/>	
	Enable	<input type="radio"/>	
Other	Judge paper mode	Label	
	Print density	8	
	Heat Adjust	0	
	Print Speed	4	
	Protocol	TSC	

Buttons: Set, Close

Reprint when error:

The 'Parameter setting' dialog box is shown with the 'Reprint when error' section highlighted by a red rectangle. The 'Disable' radio button is selected.

Section	Field	Value	Constraint
BT Config	BT Name	HT300	(<=16 Chars)
	Password	1234	(4 Numbers)
Ethernet Setting	Auto Assignment IP	ON	
	IP address	10 . 0 . 3 . 139	
	Subnet mask	255 . 255 . 255 . 0	
	Default gateway	10 . 0 . 3 . 1	
Print type	Thermal	<input checked="" type="radio"/>	
	Ribbon	<input type="radio"/>	
Reprint when error	Disable	<input checked="" type="radio"/>	
	Enable	<input type="radio"/>	
Label paper automatic position when pown on	Disable	<input checked="" type="radio"/>	
	Enable	<input type="radio"/>	
Other	Judge paper mode	Label	
	Print density	8	
	Heat Adjust	0	
	Print Speed	4	
	Protocol	TSC	

Buttons: Set, Close

Label paper automatic position when power on:

The image shows a 'Parameter setting' dialog box with several sections. The 'Label paper automatic position when power on' section is highlighted with a red rectangle. It contains two radio buttons: 'Disable' (which is selected) and 'Enable'. Other sections include 'BT Config' (BT Name: HT300, Password: 1234), 'Ethernet Setting' (Auto Assignment IP: ON, IP address: 10.0.3.139, Subnet mask: 255.255.255.0, Default gateway: 10.0.3.1), 'Print type' (Thermal selected, Ribbon unselected), 'Reprint when error' (Disable selected, Enable unselected), and 'Other' (Judge paper mode: Label, Print density: 8, Heat Adjust: 0, Print Speed: 4, Protocol: TSC). 'Set' and 'Close' buttons are at the bottom right.

Judge paper mode:

The image shows the same 'Parameter setting' dialog box, but with the 'Judge paper mode' dropdown menu open. The menu lists three options: 'Label' (which is highlighted in blue), 'BlackMark', and 'Receipt'. The 'Label' option is currently selected in the dropdown. All other settings in the dialog box remain the same as in the previous image.

Print density(range:0-15):

The screenshot shows the 'Parameter setting' window with the 'Print density' dropdown menu open. The menu lists values from 8 to 15, with '8' selected. The 'Print type' is set to 'Thermal'.

Section	Parameter	Value
BT Config	BT Name	HT300 (<=16 Chars)
	Password	1234 (4 Numbers)
Ethernet Setting	Auto Assignment IP	ON
	IP address	10 . 0 . 3 . 139
	Subnet mask	255 . 255 . 255 . 0
	Default gateway	10 . 0 . 3 . 1
Print type	Thermal	<input checked="" type="radio"/>
	Ribbon	<input type="radio"/>
Reprint when error	Disable	<input checked="" type="radio"/>
	Enable	<input type="radio"/>
Label paper automatic position when pown on	Disable	<input checked="" type="radio"/>
	Enable	<input type="radio"/>
Other	Judge paper mode	Label
	Print density	8
	Heat Adjust	8
	Print Speed	
	Protocol	

Heat Adjust(range:-50—50):

The screenshot shows the 'Parameter setting' window with the 'Heat Adjust' dropdown menu open. The menu lists values from 0 to 35, with '0' selected. The 'Print type' is set to 'Thermal'.

Section	Parameter	Value
BT Config	BT Name	HT300 (<=16 Chars)
	Password	1234 (4 Numbers)
Ethernet Setting	Auto Assignment IP	ON
	IP address	10 . 0 . 3 . 139
	Subnet mask	255 . 255 . 255 . 0
	Default gateway	10 . 0 . 3 . 1
Print type	Thermal	<input checked="" type="radio"/>
	Ribbon	<input type="radio"/>
Reprint when error	Disable	<input checked="" type="radio"/>
	Enable	<input type="radio"/>
Label paper automatic position when pown on	Disable	<input checked="" type="radio"/>
	Enable	<input type="radio"/>
Other	Judge paper mode	Label
	Print density	8
	Heat Adjust	0
	Print Speed	0
	Protocol	

Print Speed(range:2345):

The 'Parameter setting' dialog box is shown with the following configurations:

- BT Config:** BT Name: HT300 (<=16 Chars), Password: 1234 (4 Numbers)
- Ethernet Setting:** Auto Assignment IP: ON, IP address: 10.0.3.139, Subnet mask: 255.255.255.0, Default gateway: 10.0.3.1
- Print type:** Thermal (selected), Ribbon
- Reprint when error:** Disable (selected), Enable
- Label paper automatic position when pown on:** Disable (selected), Enable
- Other:** Judge paper mode: Label, Print density: 8, Heat Adjust: 0, Print Speed: 4 (selected in dropdown), Protocol: 2, 3, 4, 5 (dropdown menu is open)

Buttons: Set, Close

Protocol:

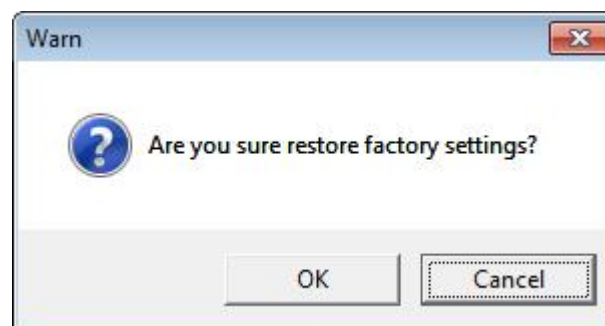
The 'Parameter setting' dialog box is shown with the following configurations:

- BT Config:** BT Name: HT300 (<=16 Chars), Password: 1234 (4 Numbers)
- Ethernet Setting:** Auto Assignment IP: ON, IP address: 10.0.3.139, Subnet mask: 255.255.255.0, Default gateway: 10.0.3.1
- Print type:** Thermal (selected), Ribbon
- Reprint when error:** Disable (selected), Enable
- Label paper automatic position when pown on:** Disable (selected), Enable
- Other:** Judge paper mode: Label, Print density: 8, Heat Adjust: 0, Print Speed: 4, Protocol: TSC (selected in dropdown), TSC, ZPL (dropdown menu is open)

Buttons: Set, Close

Click "Set", and back to the main menu.

- Click "Restore Factory Settings". Click "OK" to restore factory settings, and click "Cancel" to cancel the command.



(4)Click "Quit", and finish printer settings.

Chapter 7 Seagull Windows Driver Instructions

7.1 Introduction

The following operating systems are supported:

- Microsoft Windows 10 (32 bit/64 bit)
- Microsoft Windows 8 (32 bit/64 bit)
- Microsoft Windows 7 SPI (32 bit/64 bit)
- Microsoft Windows Vista SP2 (32 bit/64 bit)
- Microsoft Windows XP Professional SP3 (32 bit)
- Microsoft Windows Server 2012(64 bit)
- Microsoft Windows Server 2008 R2
- Microsoft Windows Server 2008 SP2(32 bit/64 bit)
- Microsoft Windows Server 2003 R2 SP2(32 bit/64 bit)

7.2 Installation Preparation

Download Seagull Windows Driver application program in CD.

7.3 Installation



Note:

- Under different operating systems, the screen may be slightly different. Take Windows 7 as example.
- Take HPRT HT300 as example. Please refer to HPRT HT300 when using HPRT HT330.
- To avoid the prevention, recommend to close the security software before installation.

1. Select one interface to connect your printer to computer.

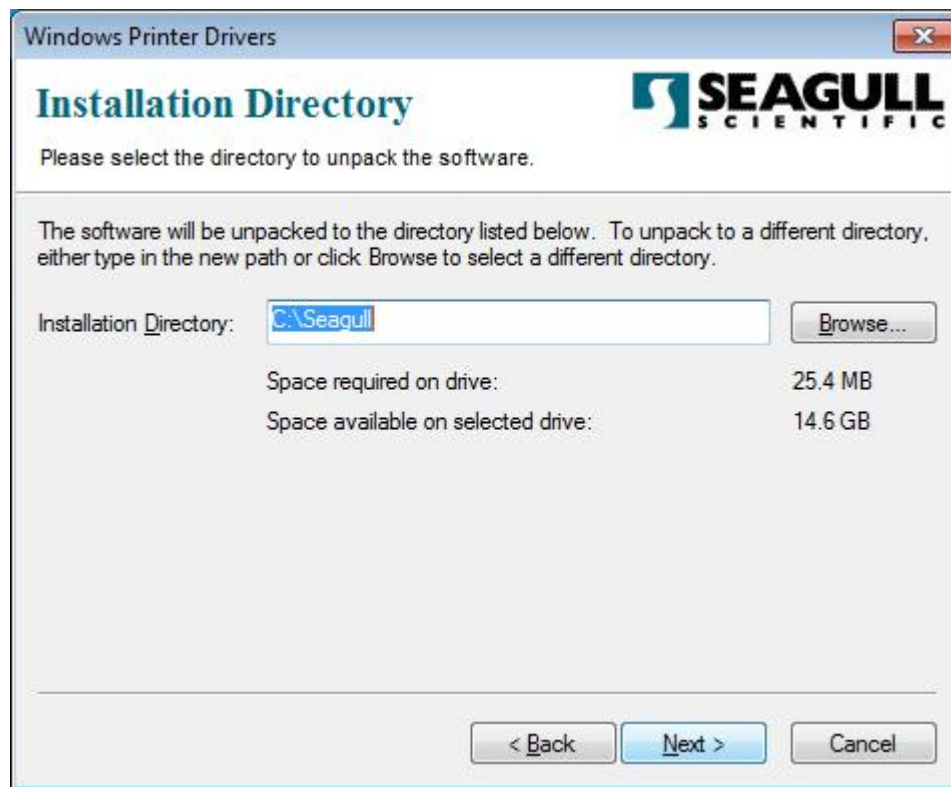
2. Turn on the printer and check if it is connected to computer successfully.

3. Double click Seagull Windows Driver .

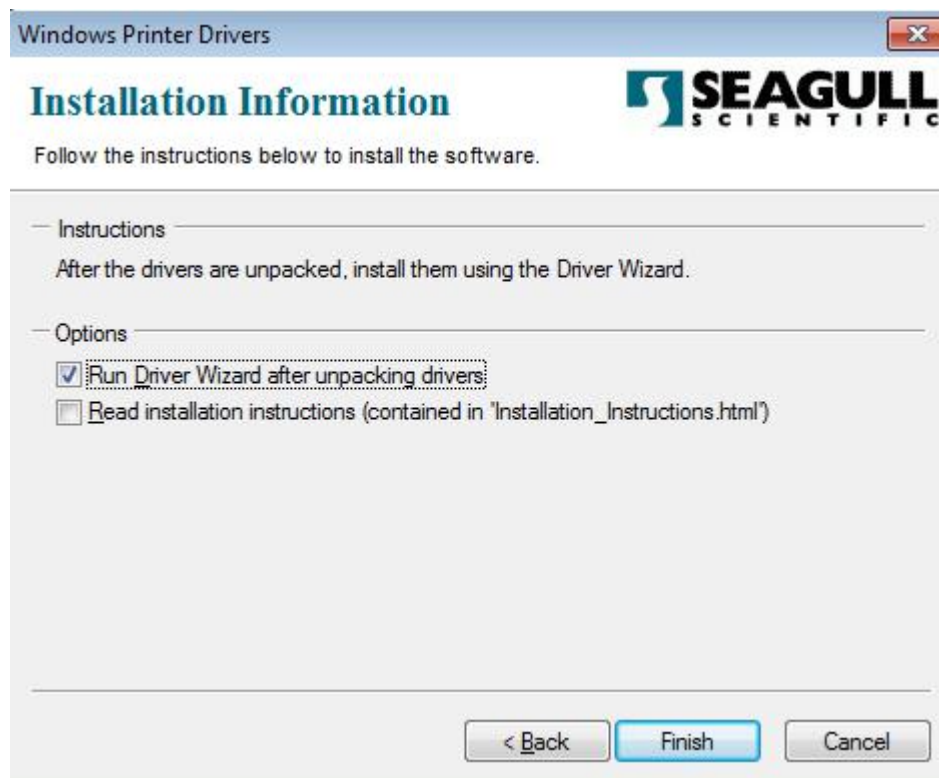
4. Read and agree the license agreement. Then click "Next".



5. Choose the installation directory, then click "Next".



6. Click "Finish".

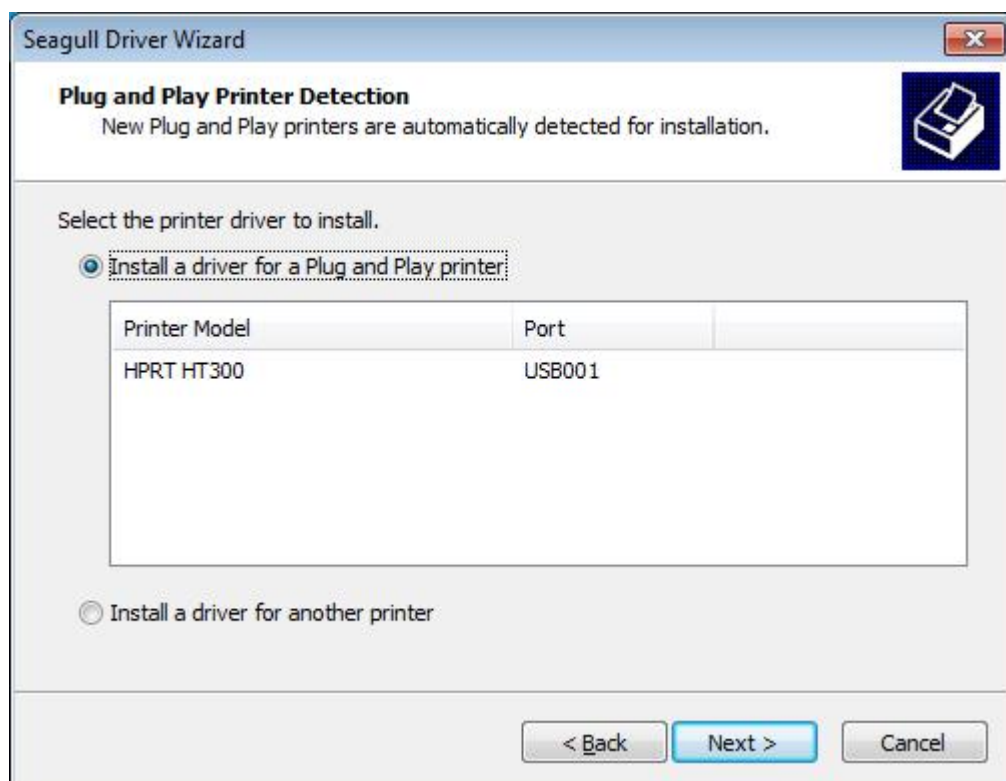


7. Select "Install printer drivers", then click "Next".

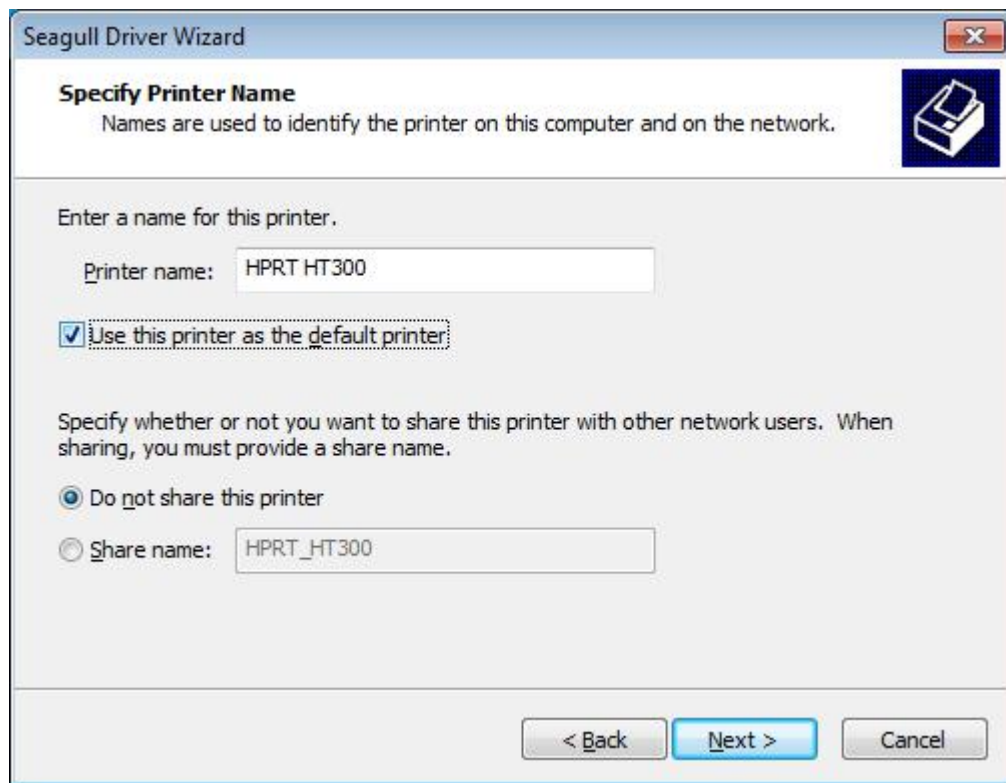


! Note: If you have connected the printer to computer, it will detect and install the driver automatically.(eg.: USB port)

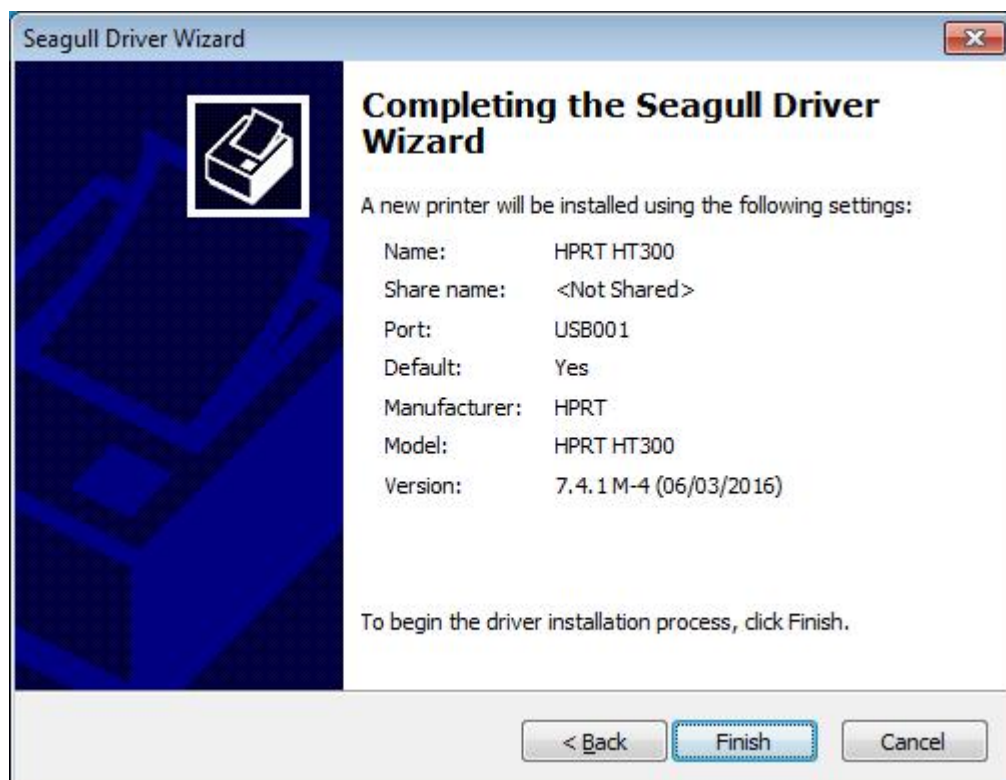
8. Select "Install a driver for a Plug and Play printer", then click "Next".



9. Enter a name for this printer, then click "Next".



10. Click "Finish".



11. Click "Close", and the HPRT HT300 Label printer driver is installed successfully.



12. After installation, the icon will be found in "Start" → "Devices and Printers".



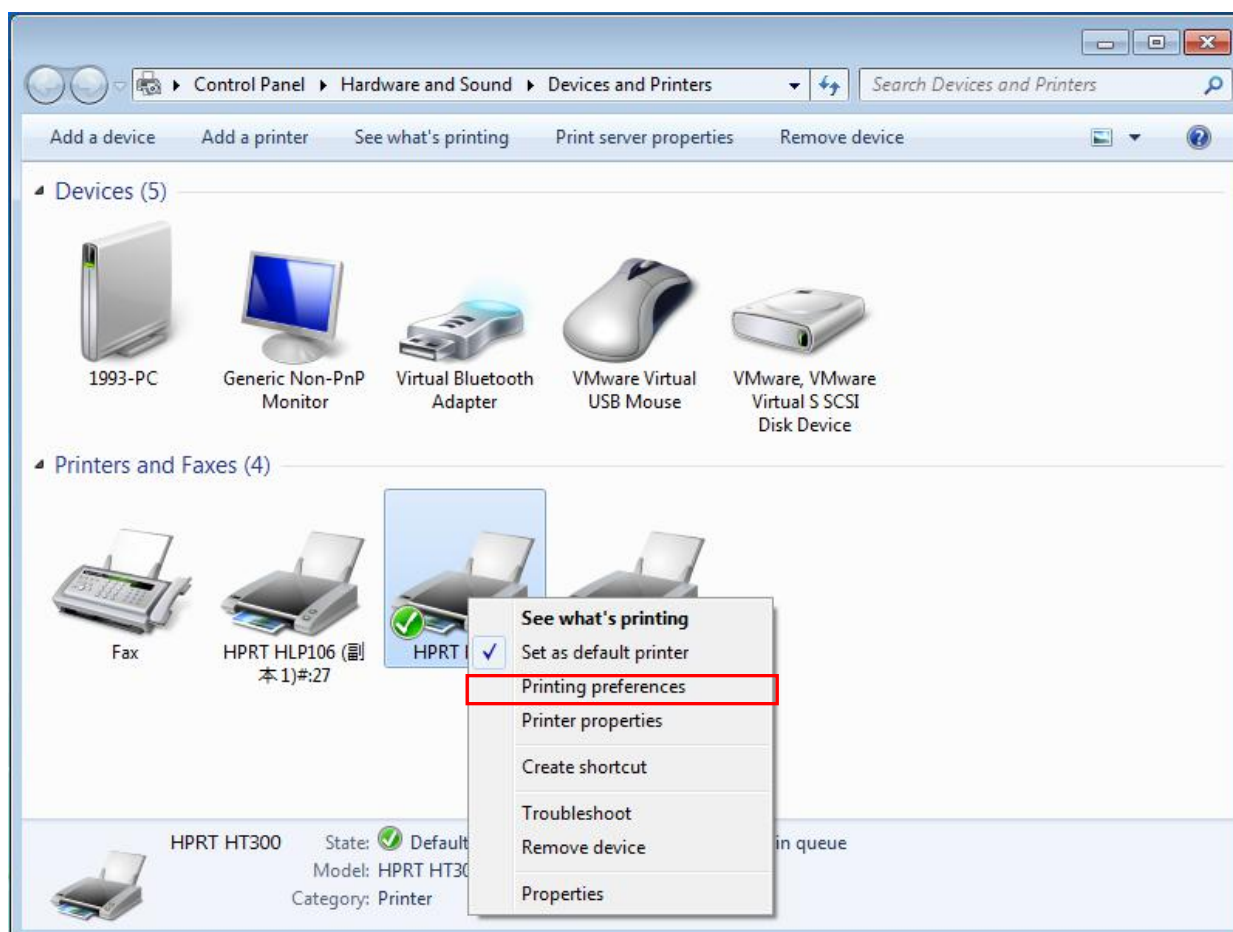
Note:

1. If you have already installed the driver (No matter what kind of ports), it will generate a USB port automatically when connecting the printer to computer.
2. Any problems exist, please use our utility tool in CD.

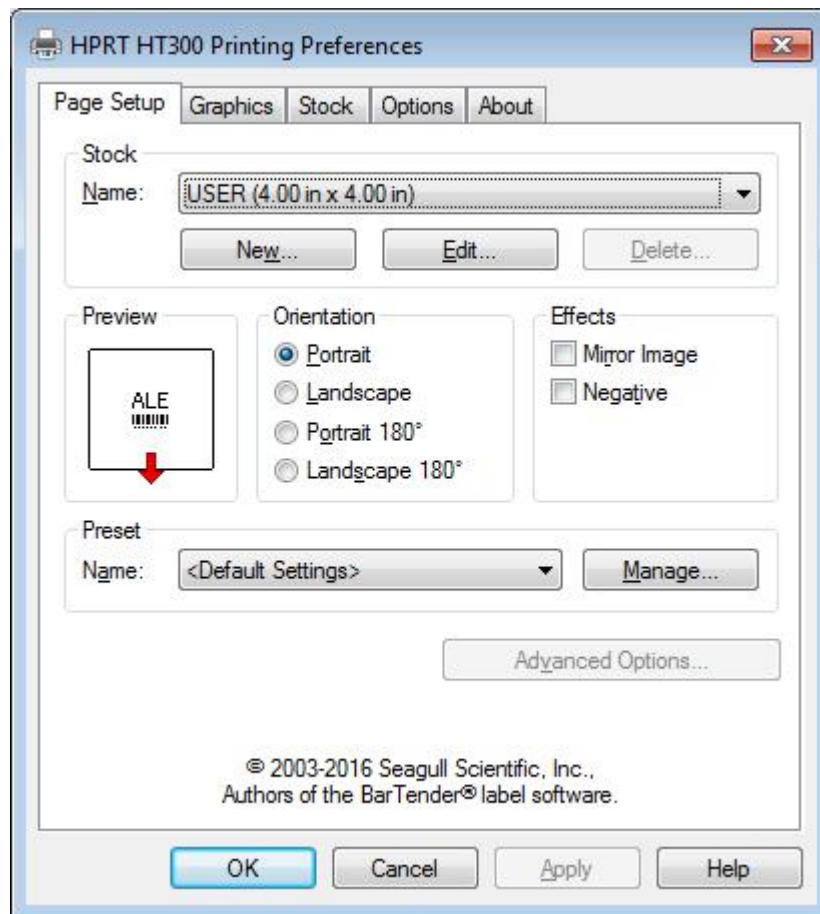
7.4 Usage

7.4.1 Printing Preferences

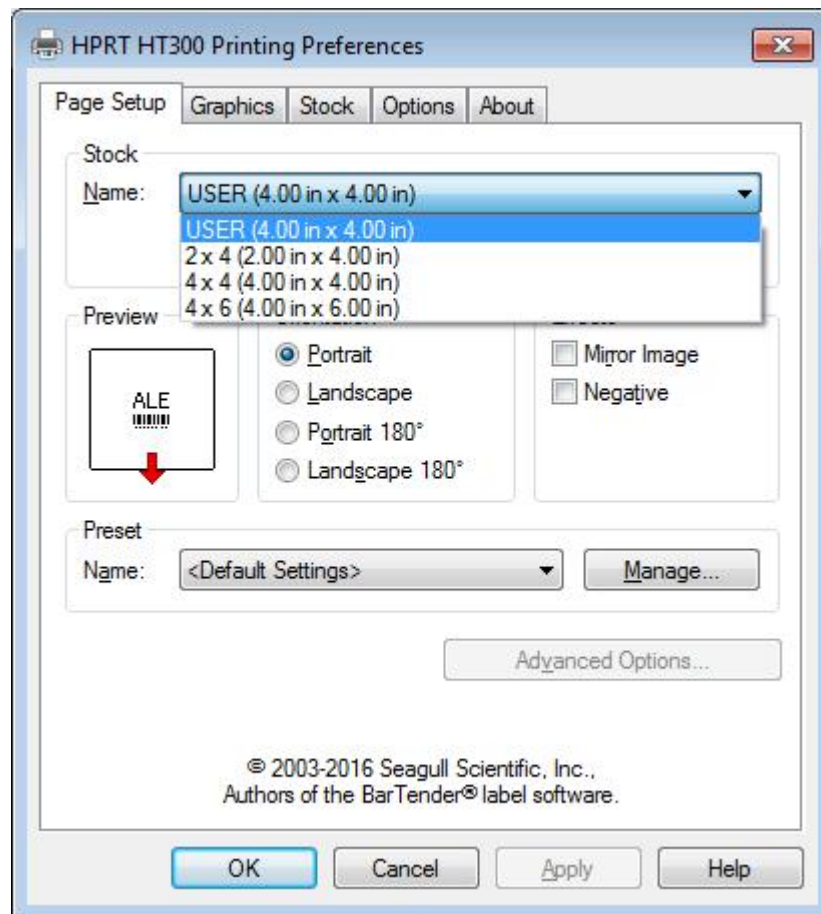
1. Click “Start”→“Devices and Printers”. Right click “HPRT HT300” and choose “Printing preferences”.



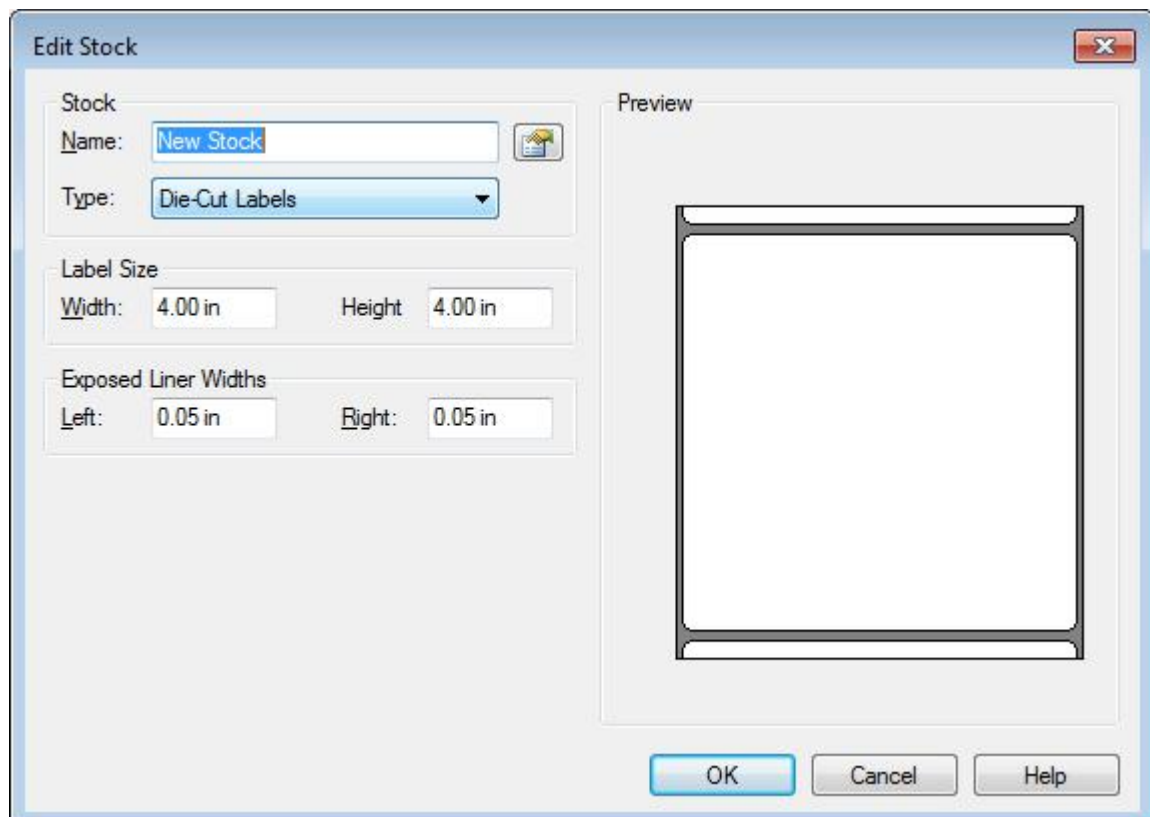
2. According to different needs, set up the page.



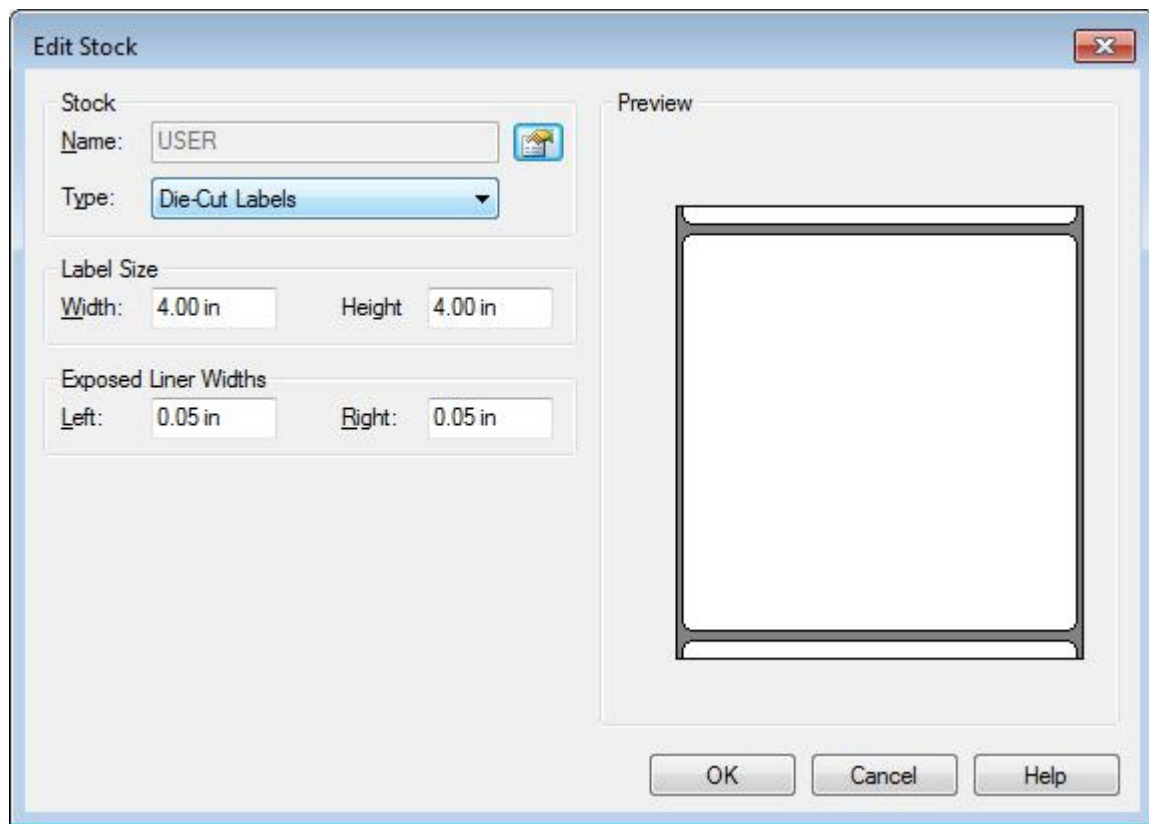
- Click “Stock” → “Name”, and choose the paper type.



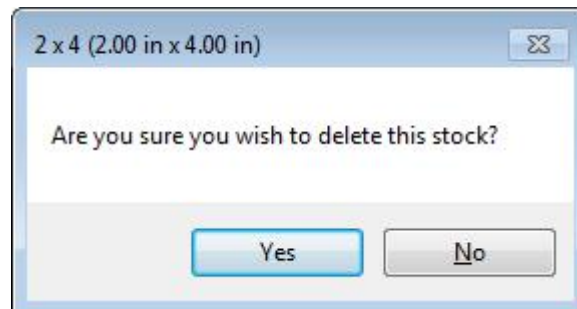
- Click “New Stock”, and set up a new stock.



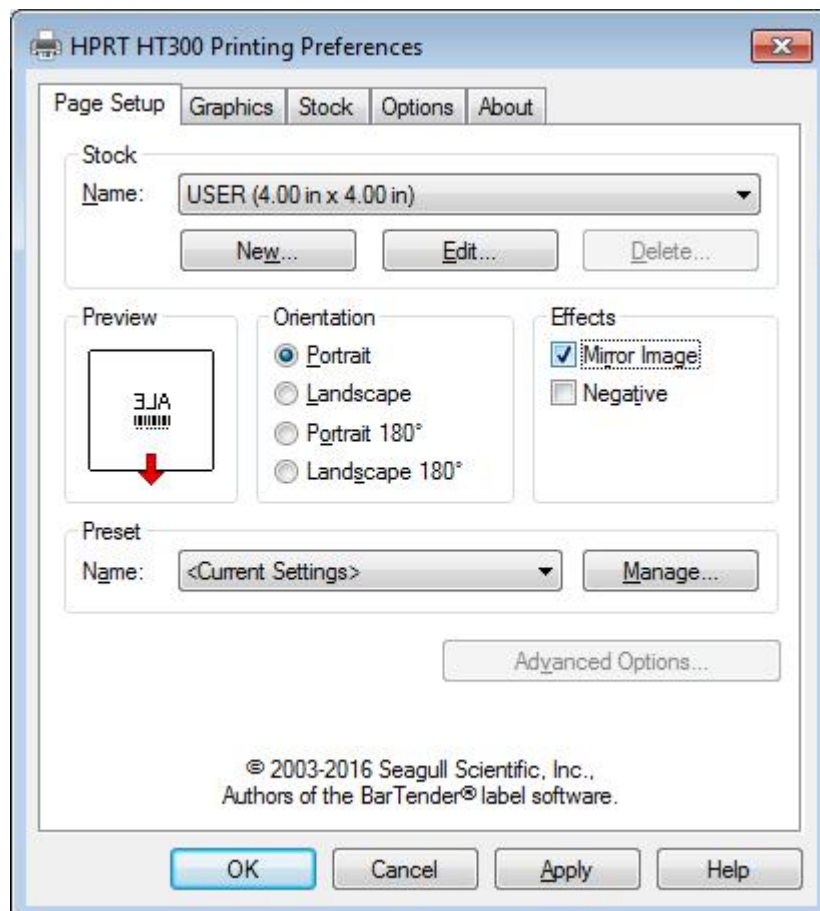
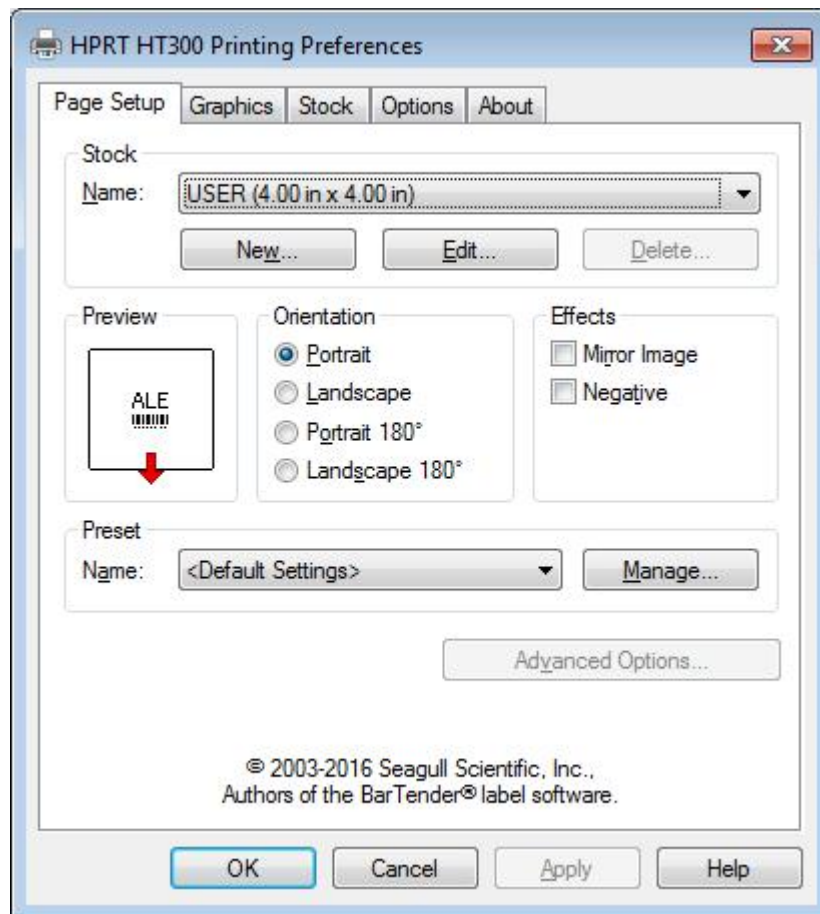
- Click “Edit Stock”, and edit the stock.



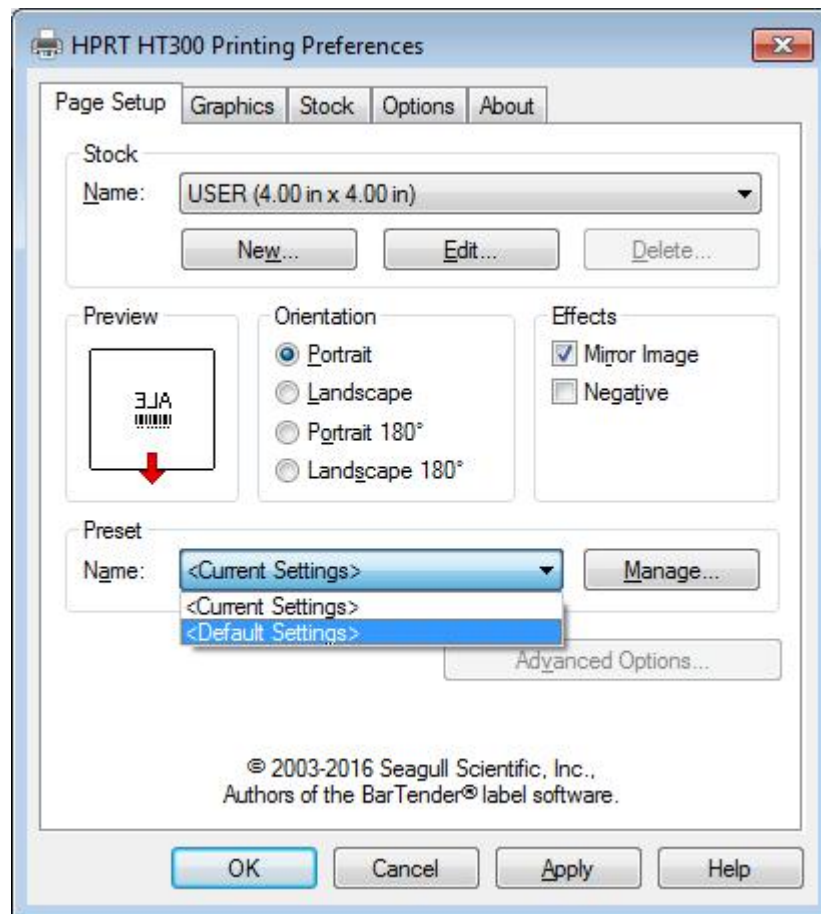
- Click “Delete Stock”, and delete the stock.



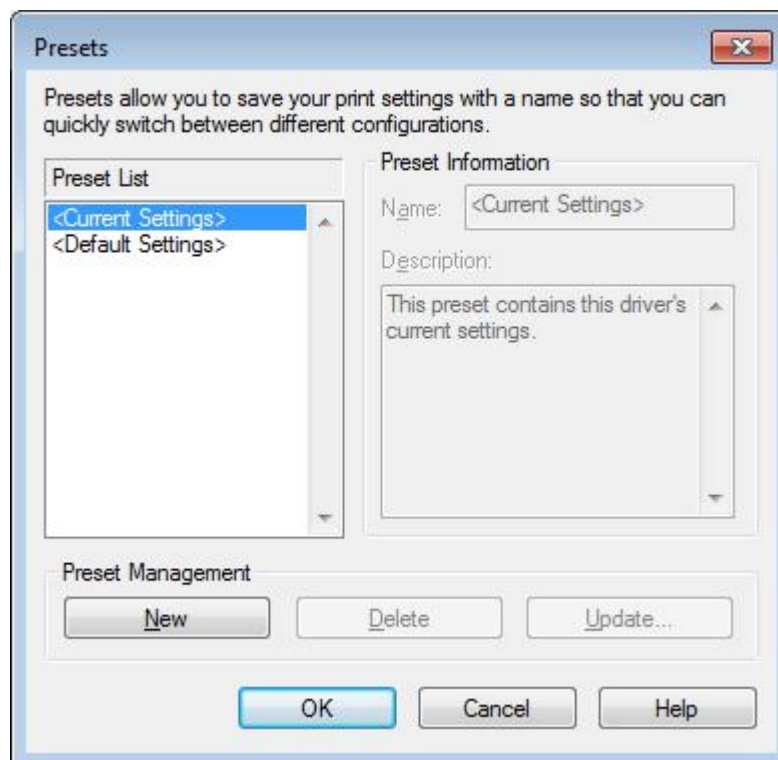
- Choose “Orientation” or “Effects”, showed in the “Preview”.



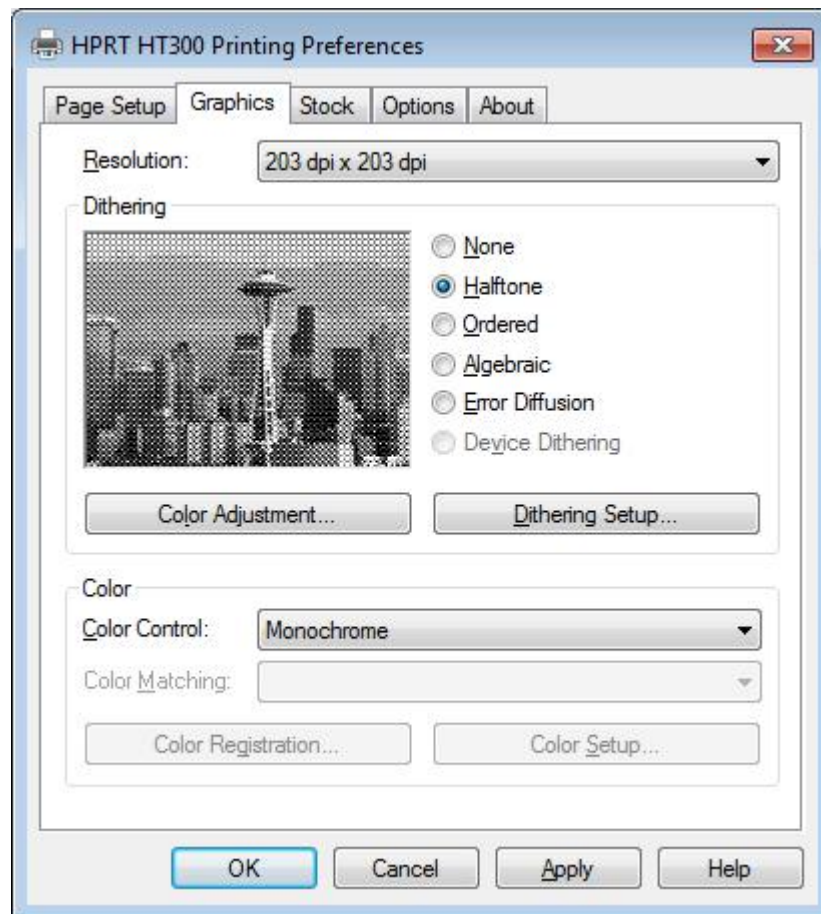
- Click “Preset”→“Name”, and back to the default settings.



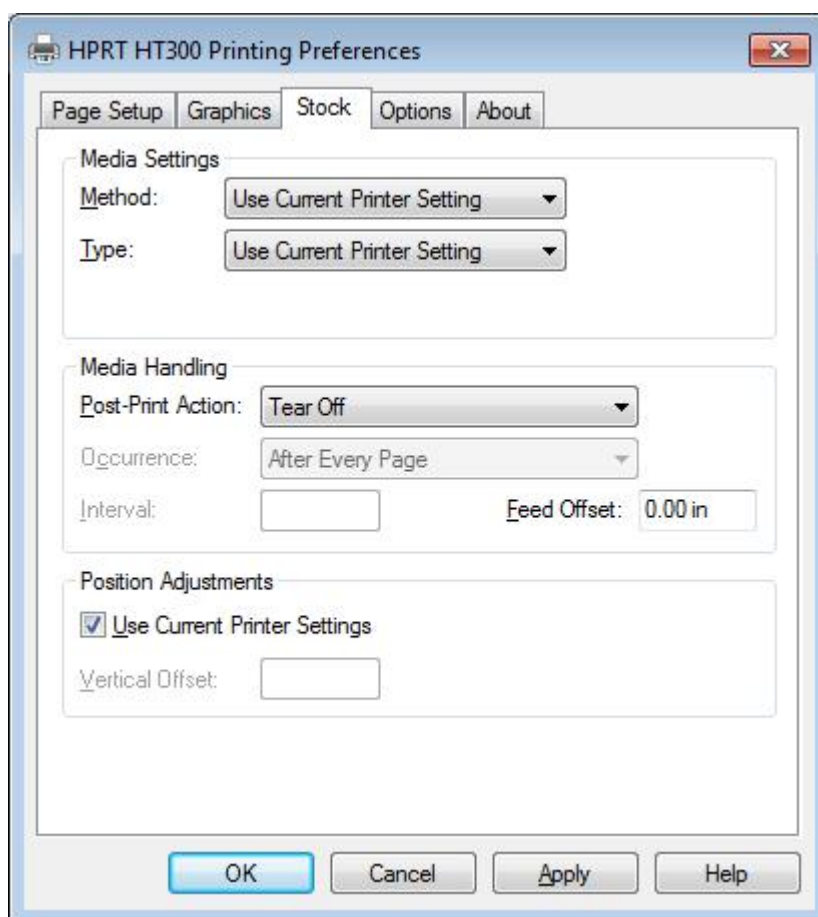
- Click “Manage”, and change the settings.



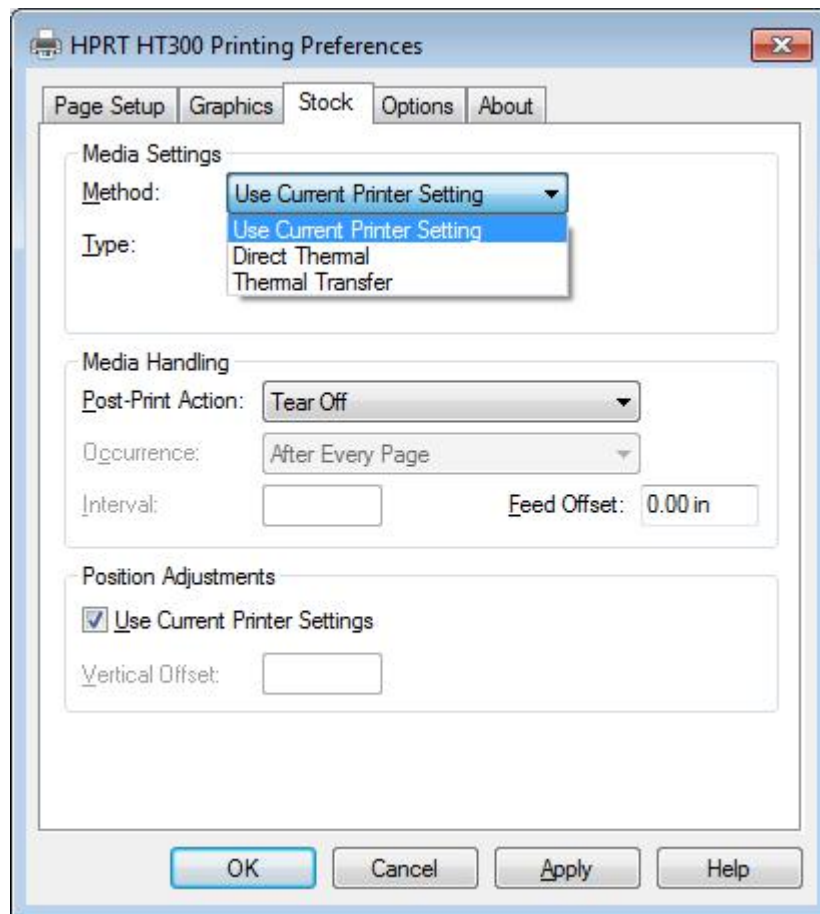
3. Click "Graphics", and edit the pictures.



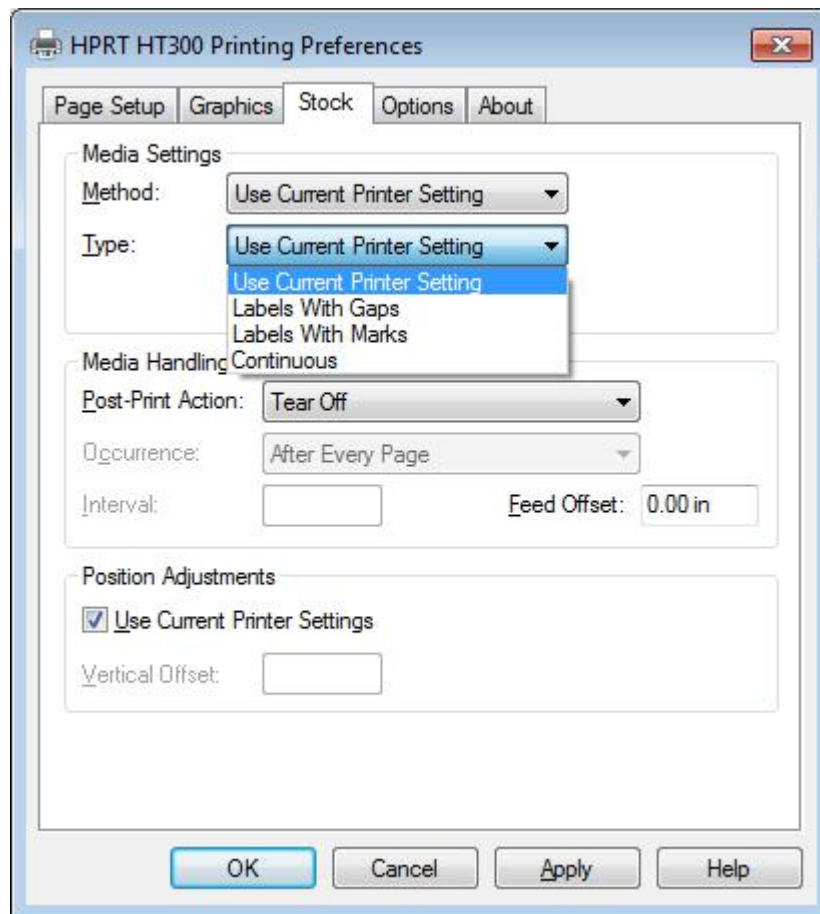
4. Click "Stock".



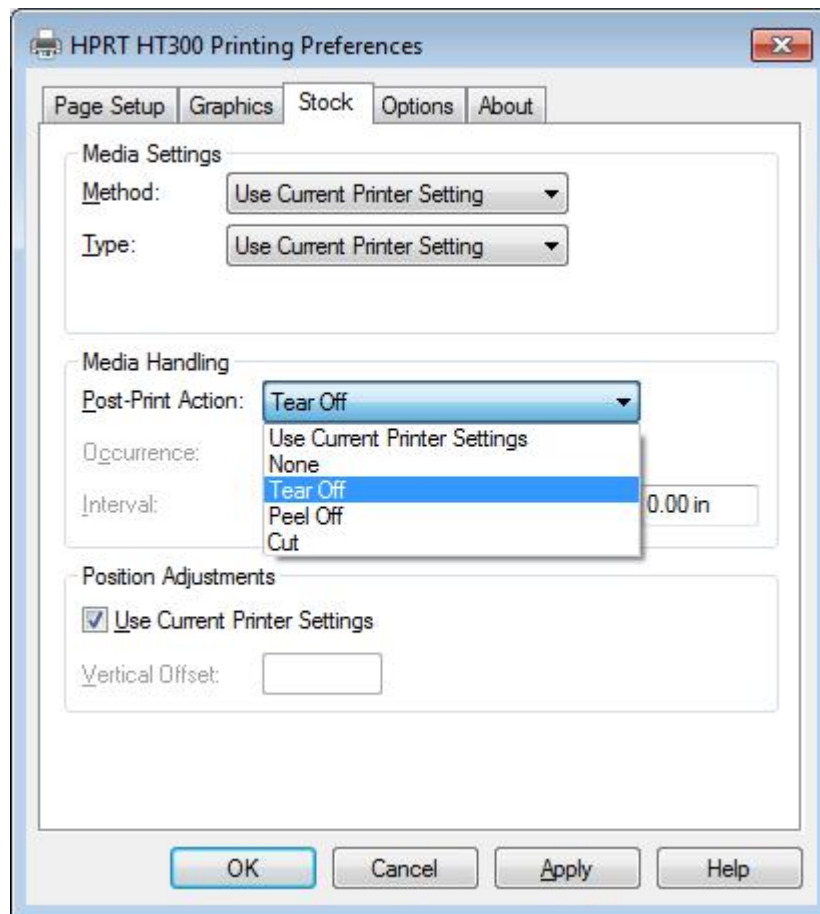
- Click “Method”, and choose the printing method.



- Click “Type”, and choose the printing type.

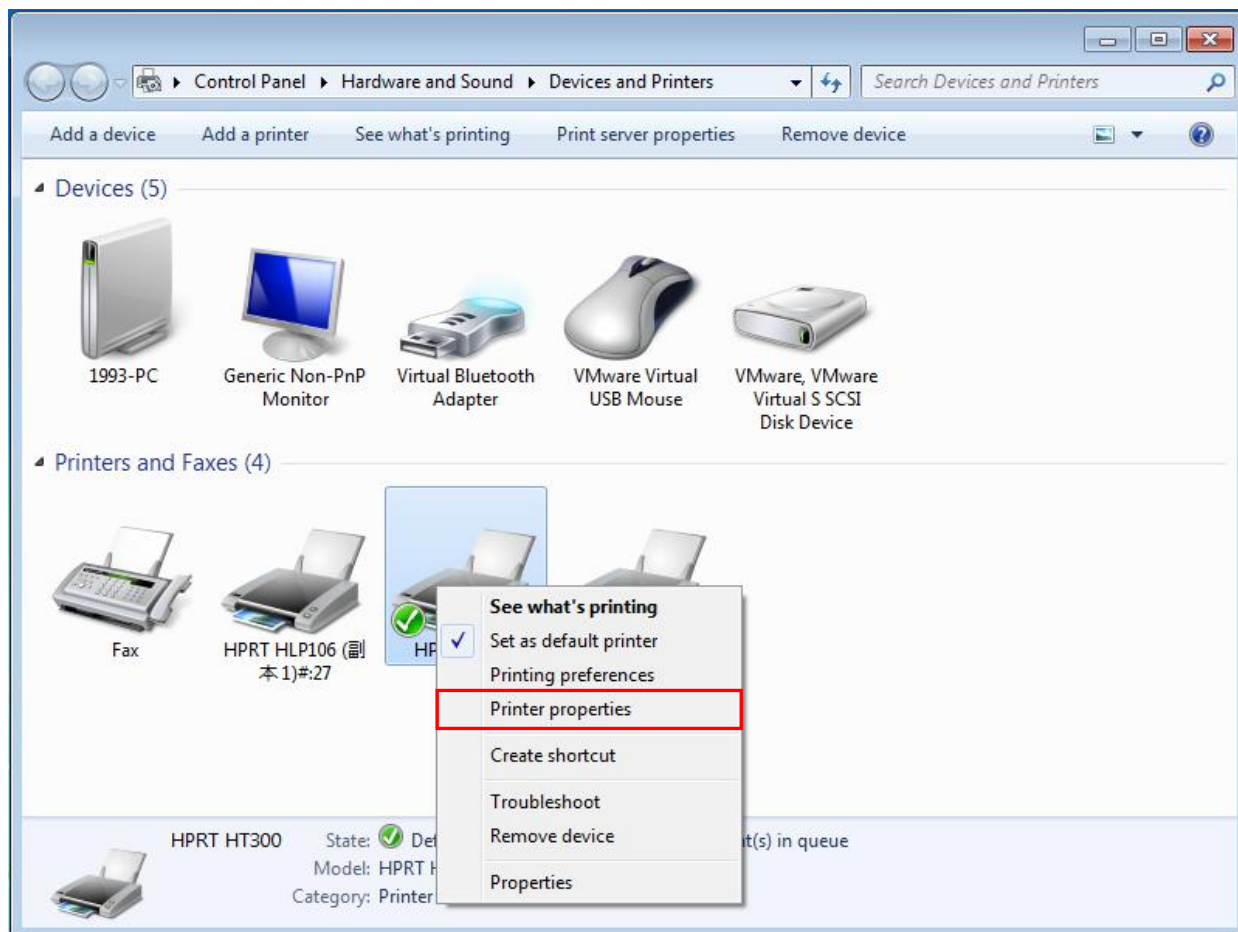


- Click “Post-Print Action”, and choose the method of media handling.

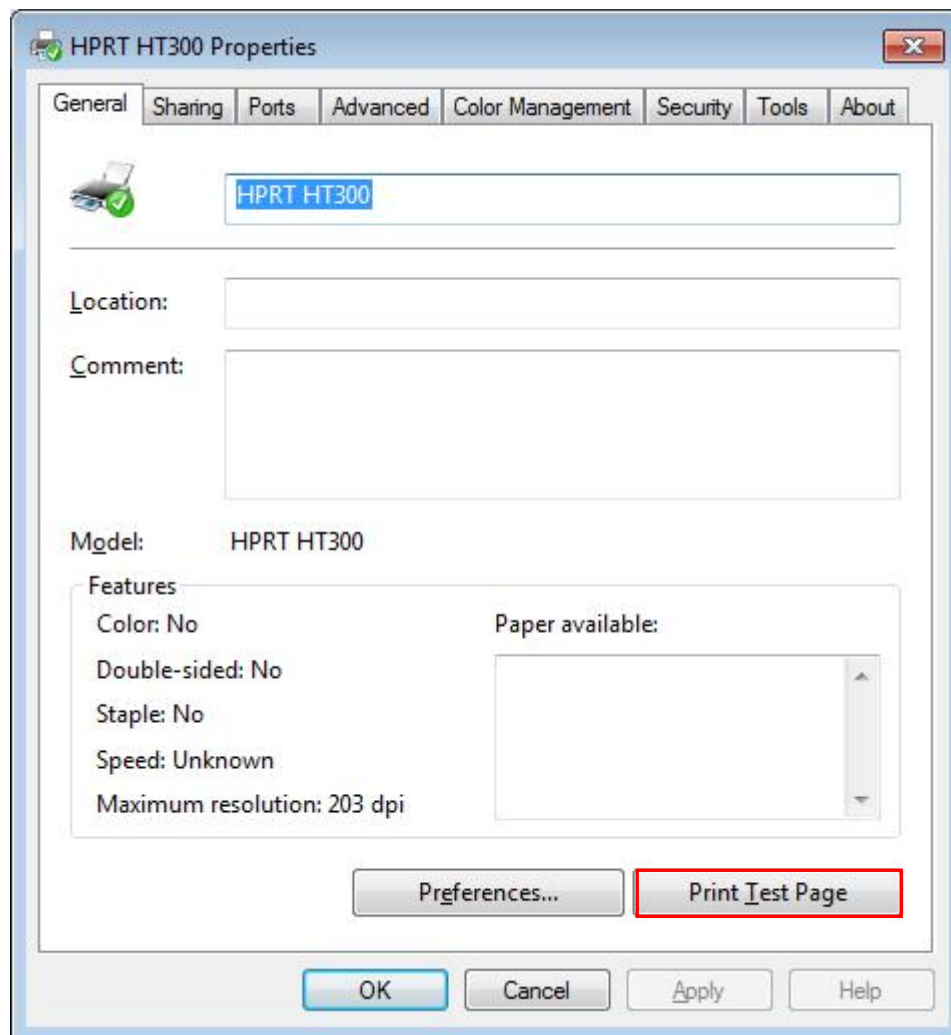


7.4.2 Printer Properties

1. Click “Start”→“Devices and Printers”. Right click “HPRT HT300” and choose “Printer properties”.

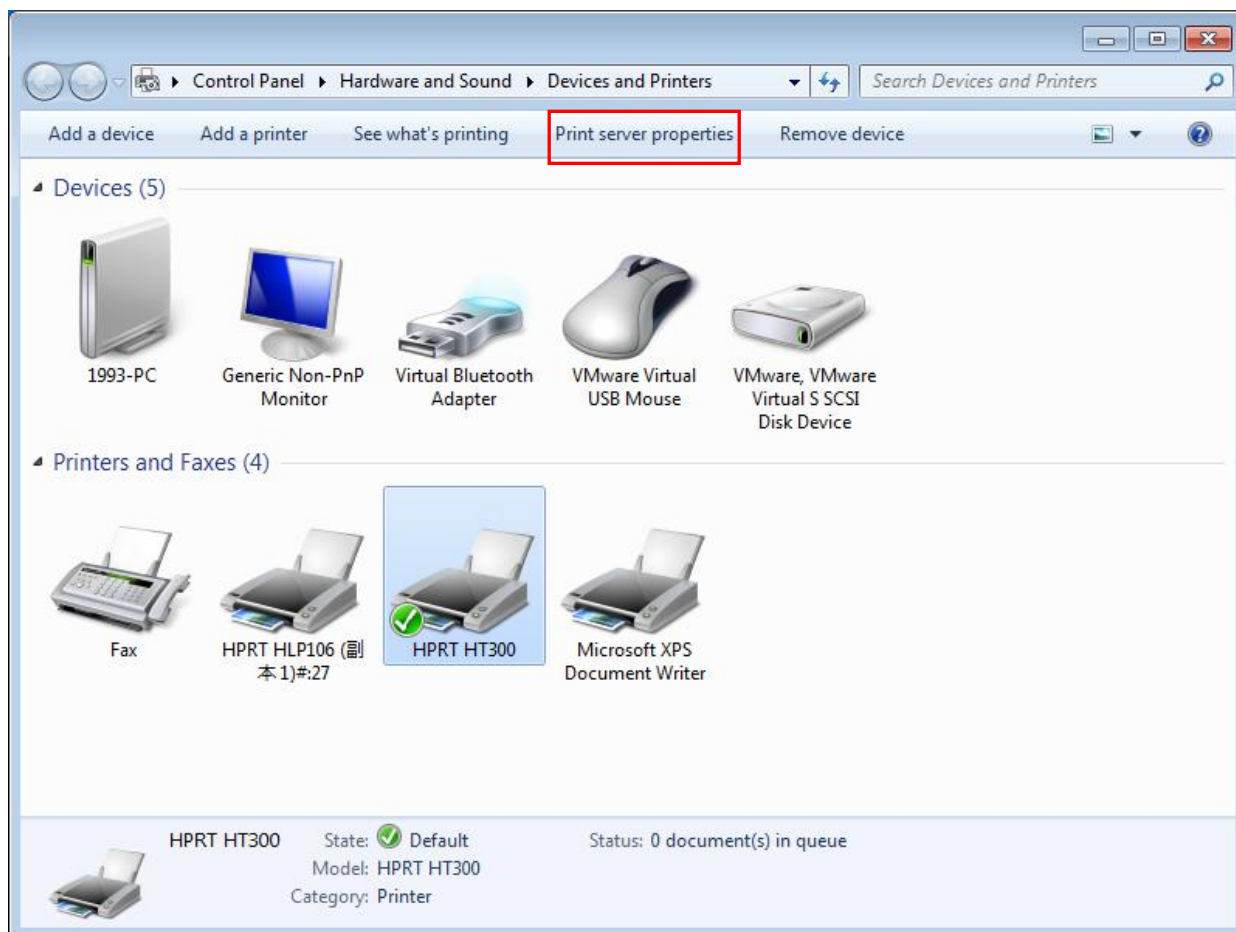


2. Click “General” → “Print Test Page”, and printer will print labels with current settings.

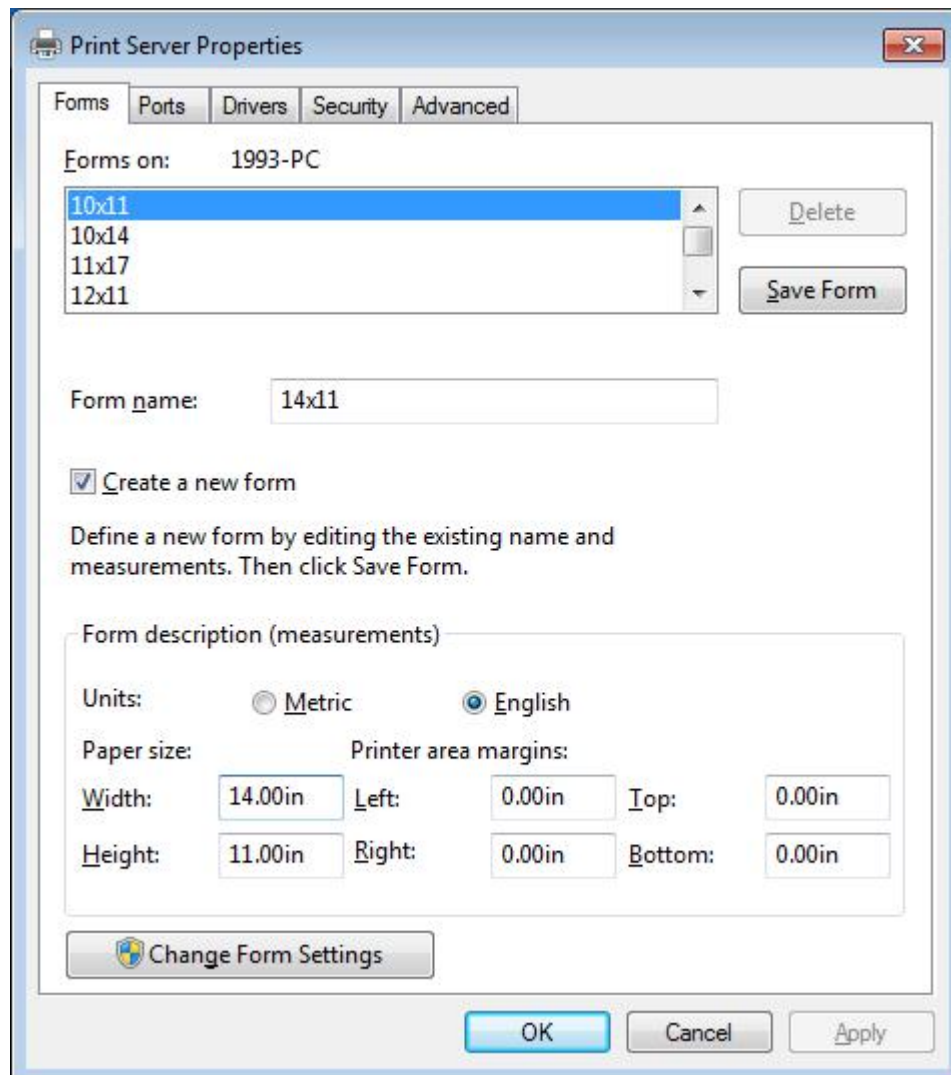


7.4.3 Print Server Properties

1. Click “Start” → “Devices and Printers”. Then click “Print server properties”.



2. Click “Create a new form”, write in “Form name” and edit width and height in “Paper size”. Finally, click “Save Form”.



The image shows the "Print Server Properties" dialog box with the "Forms" tab selected. The "Forms on:" list shows "1993-PC" and a list of forms: "10x11", "10x14", "11x17", and "12x11". The "10x11" form is selected. To the right of the list are "Delete" and "Save Form" buttons. Below the list is a "Form name:" text box containing "14x11". There is a checked checkbox for "Create a new form" with the instruction: "Define a new form by editing the existing name and measurements. Then click Save Form." Below this is a "Form description (measurements)" section. It includes "Units:" with radio buttons for "Metric" and "English" (selected). Under "Paper size:", there are input boxes for "Width:" (14.00in) and "Height:" (11.00in). Under "Printer area margins:", there are input boxes for "Left:" (0.00in), "Top:" (0.00in), "Right:" (0.00in), and "Bottom:" (0.00in). At the bottom of the dialog are "OK", "Cancel", and "Apply" buttons, and a "Change Form Settings" button with a gear icon.

Print Server Properties

Forms Ports Drivers Security Advanced

Forms on: 1993-PC

10x11
10x14
11x17
12x11

Delete

Save Form

Form name: 14x11

☒ Create a new form

Define a new form by editing the existing name and measurements. Then click Save Form.

Form description (measurements)

Units: ☐ Metric ☒ English

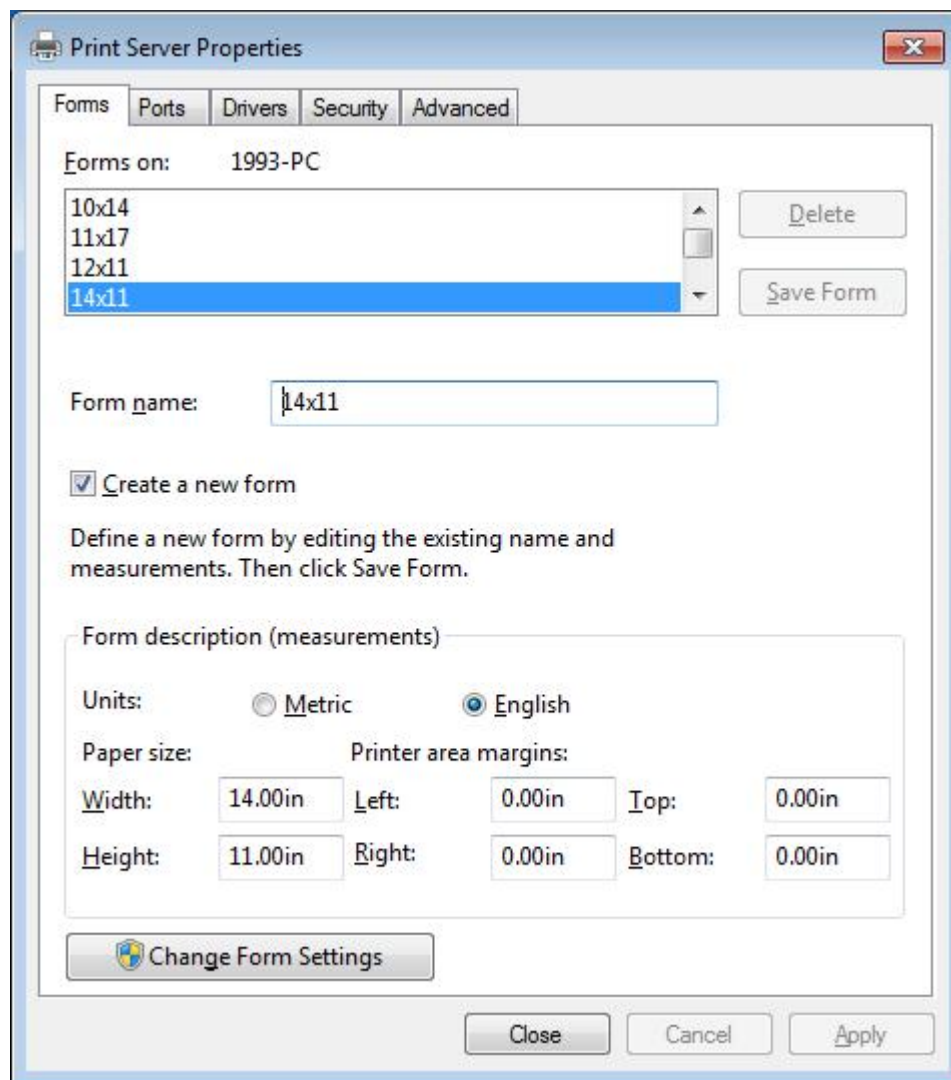
Paper size: Width: 14.00in Height: 11.00in

Printer area margins: Left: 0.00in Top: 0.00in Right: 0.00in Bottom: 0.00in

Change Form Settings

OK Cancel Apply

3.The new label form is showed in “Forms on”.



The image shows the 'Print Server Properties' dialog box with the 'Forms' tab selected. The 'Forms on:' section shows a list of forms: 10x14, 11x17, 12x11, and 14x11. The 14x11 form is selected. To the right of the list are 'Delete' and 'Save Form' buttons. Below the list is a 'Form name:' text box containing '14x11'. There is a checked checkbox for 'Create a new form' with the instruction: 'Define a new form by editing the existing name and measurements. Then click Save Form.' Below this is a 'Form description (measurements)' section. It includes 'Units' with radio buttons for 'Metric' and 'English' (selected). Under 'Paper size', there are input fields for 'Width' (14.00in) and 'Height' (11.00in). Under 'Printer area margins', there are input fields for 'Left' (0.00in), 'Top' (0.00in), 'Right' (0.00in), and 'Bottom' (0.00in). At the bottom of the dialog are 'Close', 'Cancel', and 'Apply' buttons. A 'Change Form Settings' button with a gear icon is located at the bottom left of the form description section.

Print Server Properties

Forms Ports Drivers Security Advanced

Forms on: 1993-PC

10x14
11x17
12x11
14x11

Delete

Save Form

Form name: 14x11

☒ Create a new form

Define a new form by editing the existing name and measurements. Then click Save Form.

Form description (measurements)

Units: ☐ Metric ☒ English

Paper size: Width: 14.00in Height: 11.00in

Printer area margins: Left: 0.00in Top: 0.00in Right: 0.00in Bottom: 0.00in

Change Form Settings

Close Cancel Apply

7.5 Label's Width

USER(4.00 in×4.00 in)

2×4(2.00 in×4.00 in)

4×4(4.00 in×4.00 in)

4×6(4.00 in×6.00 in)

Chapter 8 BarTender® Ultralite Instructions

8.1 Introduction

This chapter provides instructions on BarTender® Ultralite program according to PC operating systems(OS).

The followings are supported.

- Microsoft Windows 10 (32 bit/64 bit)
- Microsoft Windows 8 (32 bit/64 bit)
- Microsoft Windows 7 SPI (32 bit/64 bit)
- Microsoft Windows Vista SP2 (32 bit/64 bit)
- Microsoft Windows XP Professional SP3 (32 bit)
- Microsoft Windows Server 2012(64 bit)
- Microsoft Windows Server 2008 R2
- Microsoft Windows Server 2008 SP2(32 bit/64 bit)
- Microsoft Windows Server 2003 R2 SP2(32 bit/64 bit)

8.2 Installation Preparation

Download BarTender® Ultralite application program in CD.

8.3 Installation

! Note :

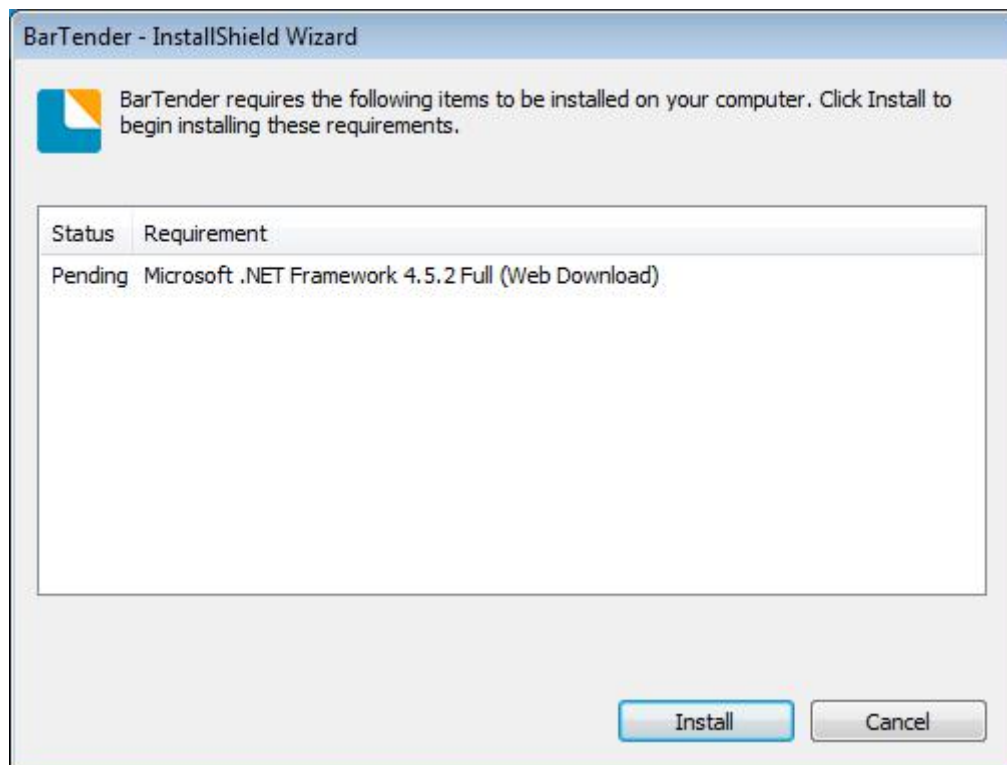
- Under different operating systems, the screen may be slightly different. Take Windows 7 as example.
- Take HPRT HT300 as example. Please refer to HPRT HT300 when using HPRT HT330.
- To avoid the prevention, recommend to close the security software before installation.

1. Double click application program .

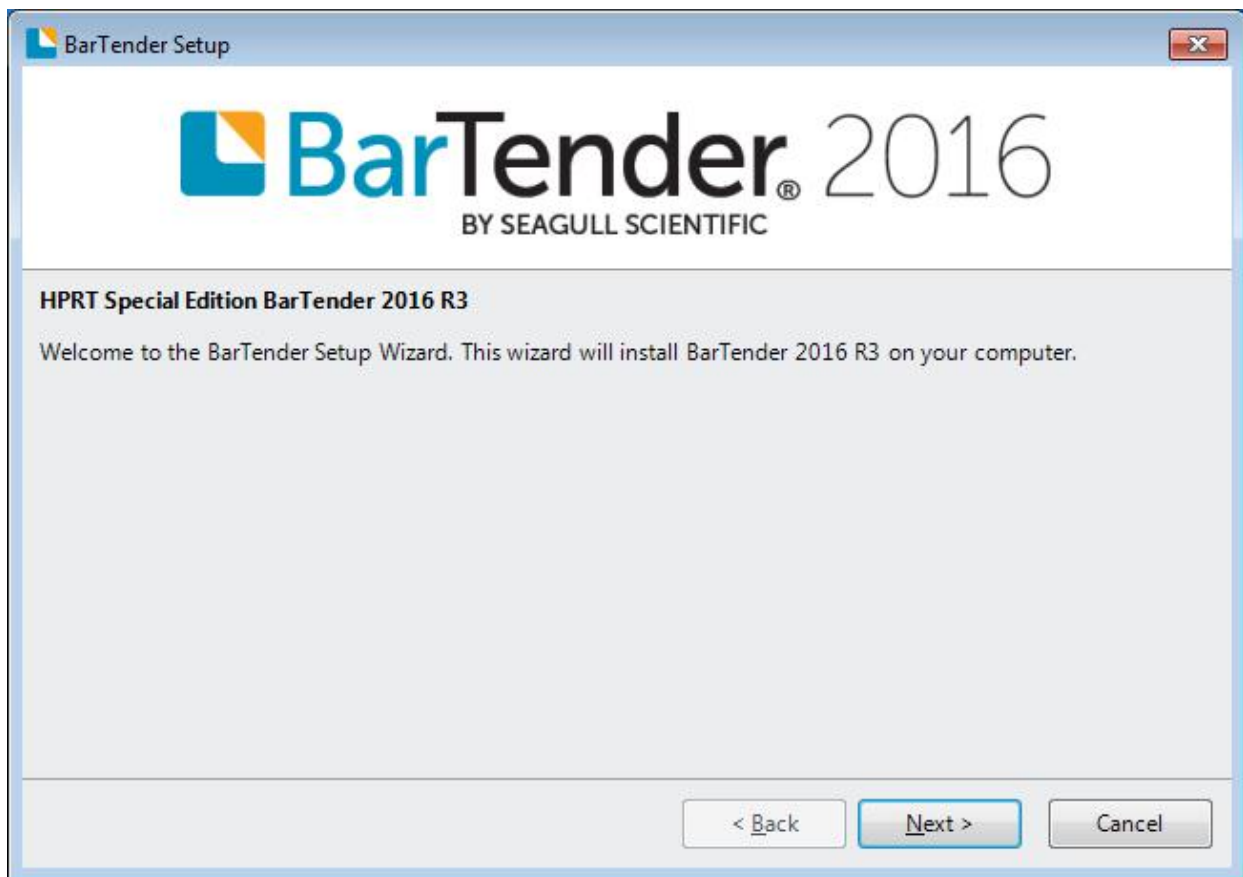
2. Select language, then click "OK".



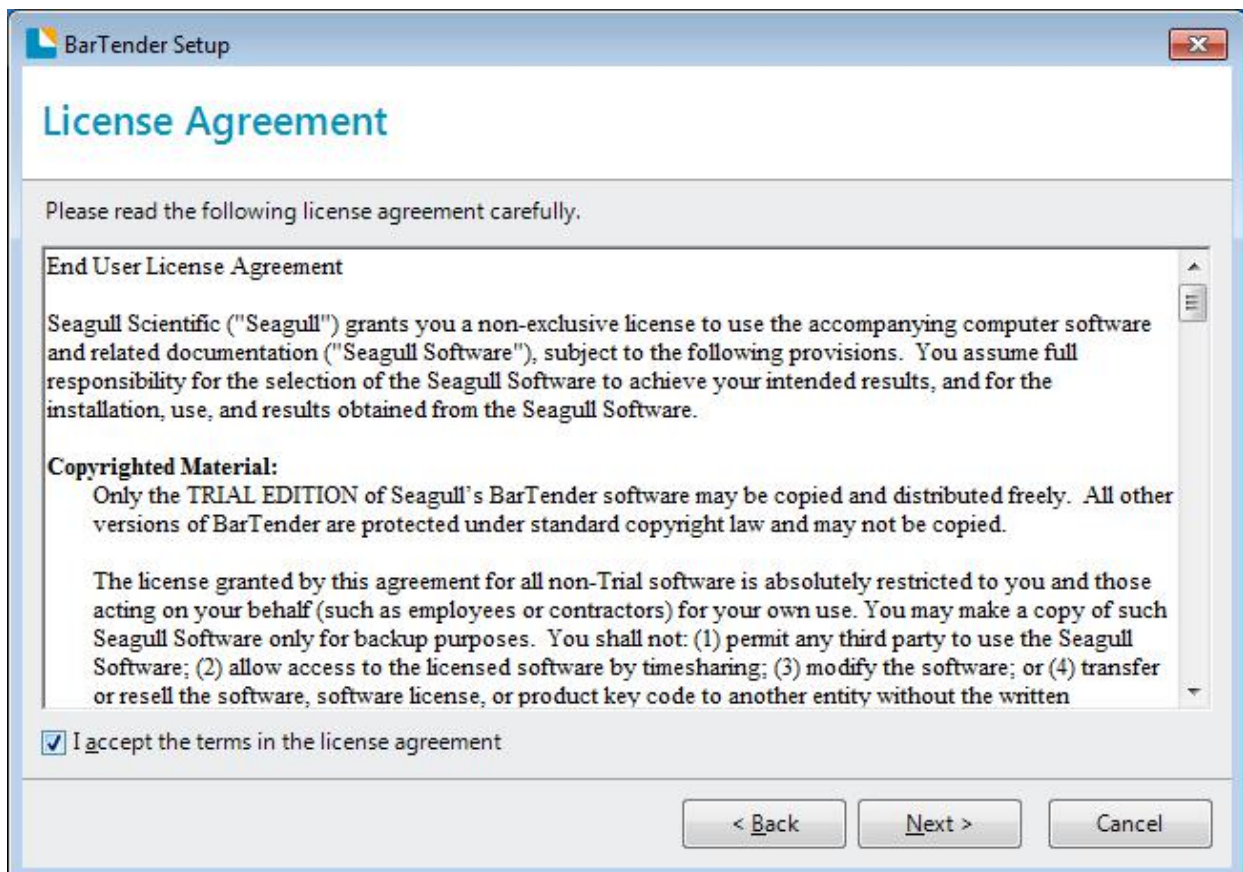
3. Click "Install".



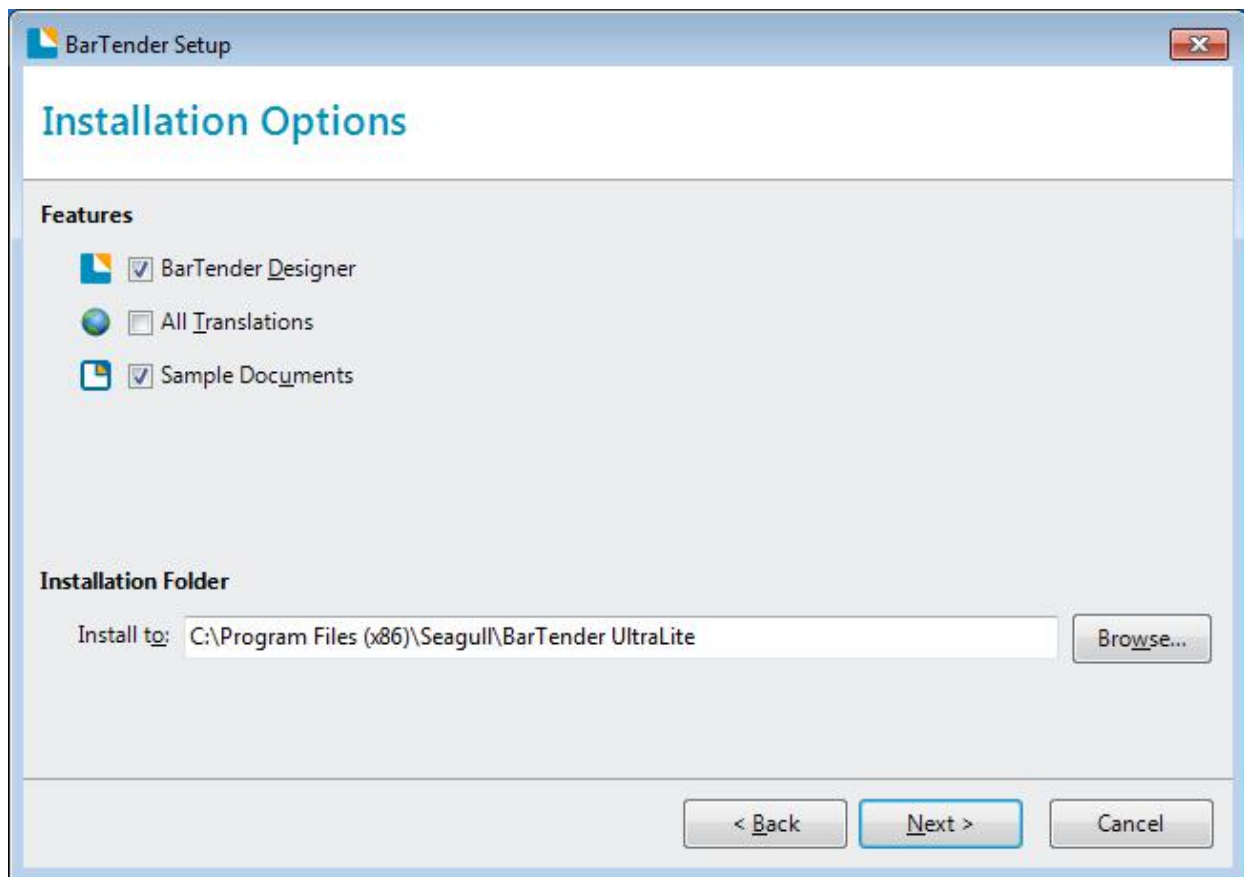
4. Click "Next".



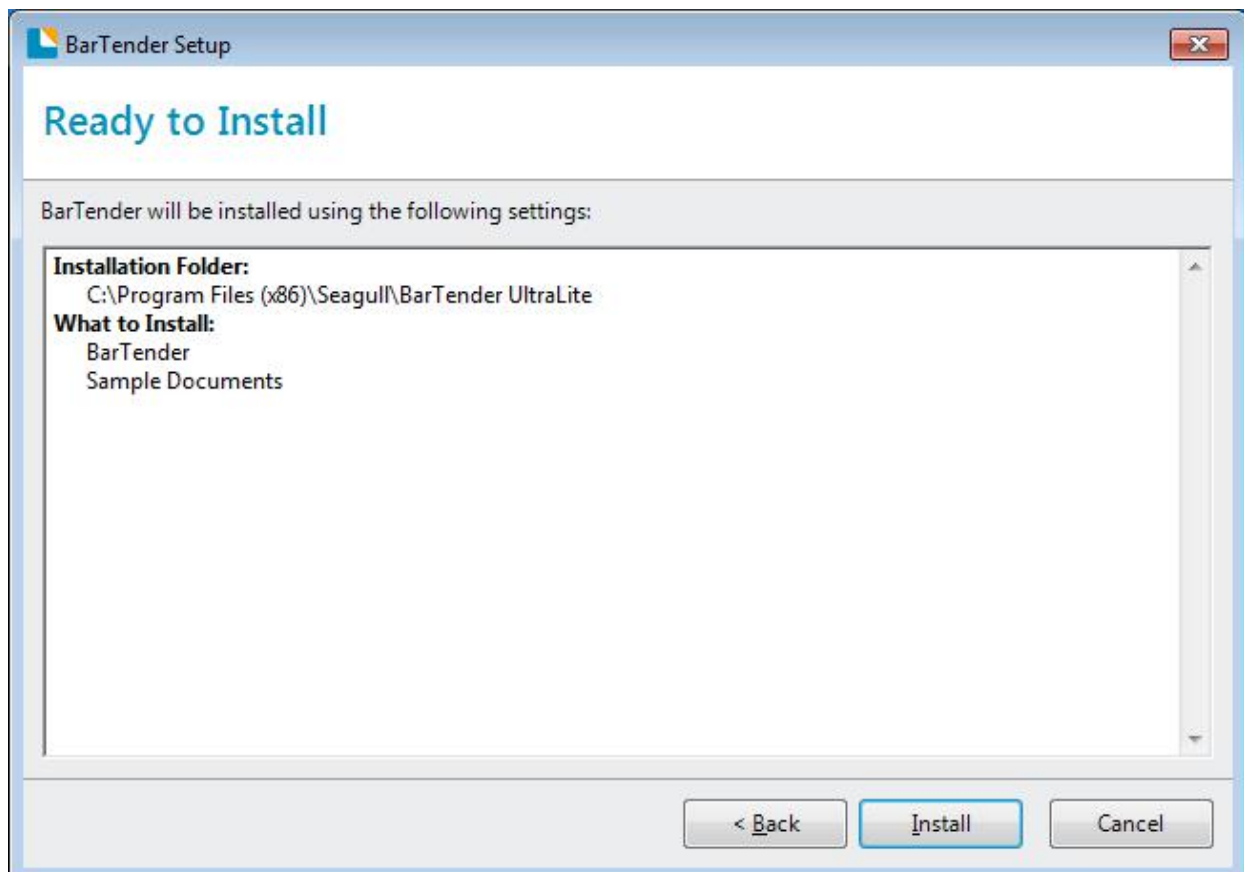
5. Read and accept the license agreement, then click "Next".



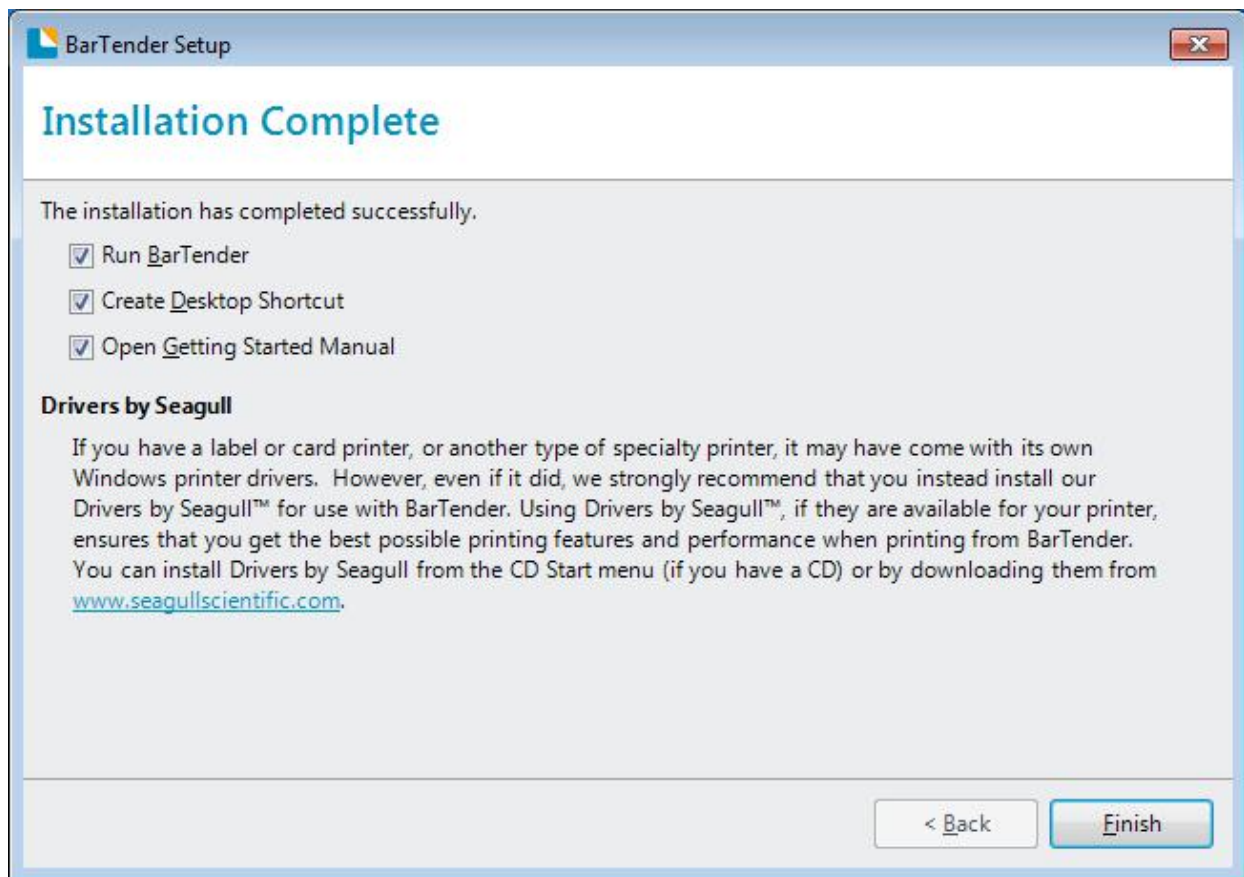
6. Select "Features" and Installation Location, then click "Next".



7. Click "Install".



8. Click "Finish".



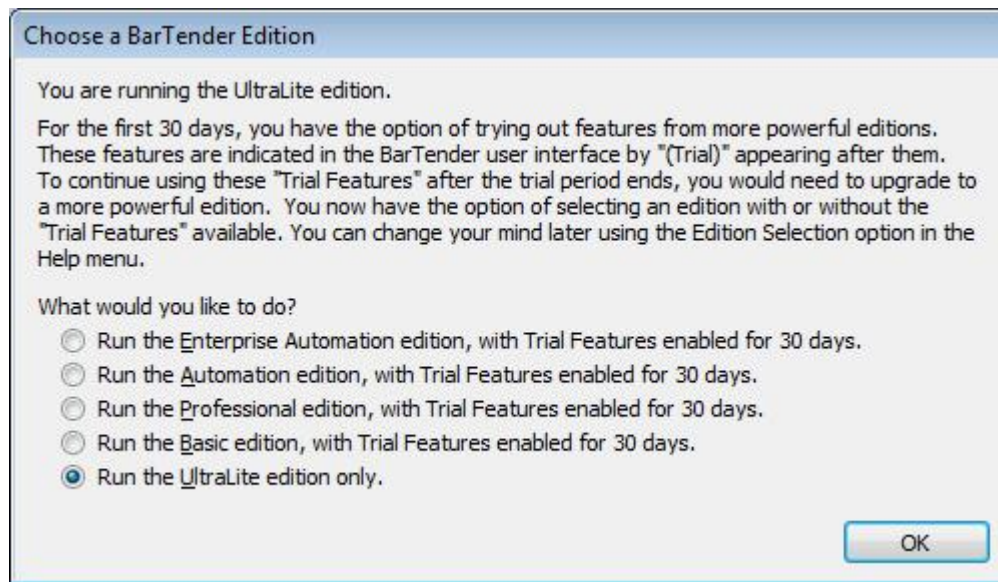
9. Back to desktop, and you will see the icon of BarTender®. Double click it, and start to use.



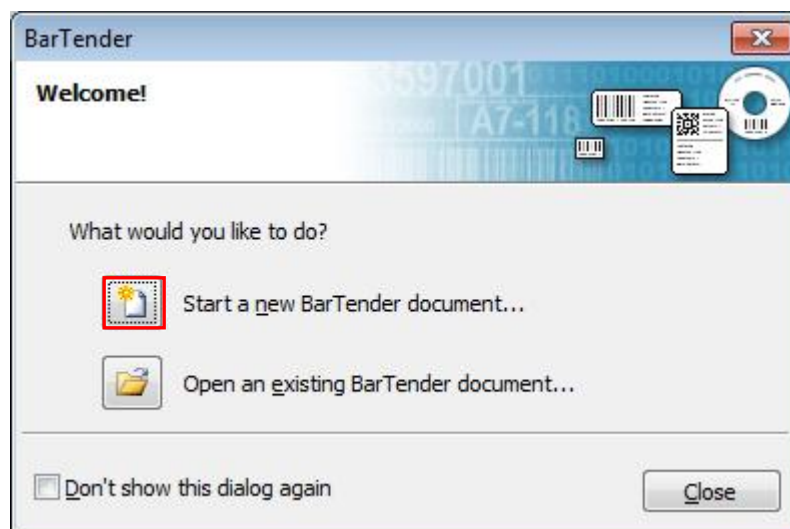
8.4 Usage

8.4.1 Page Settings

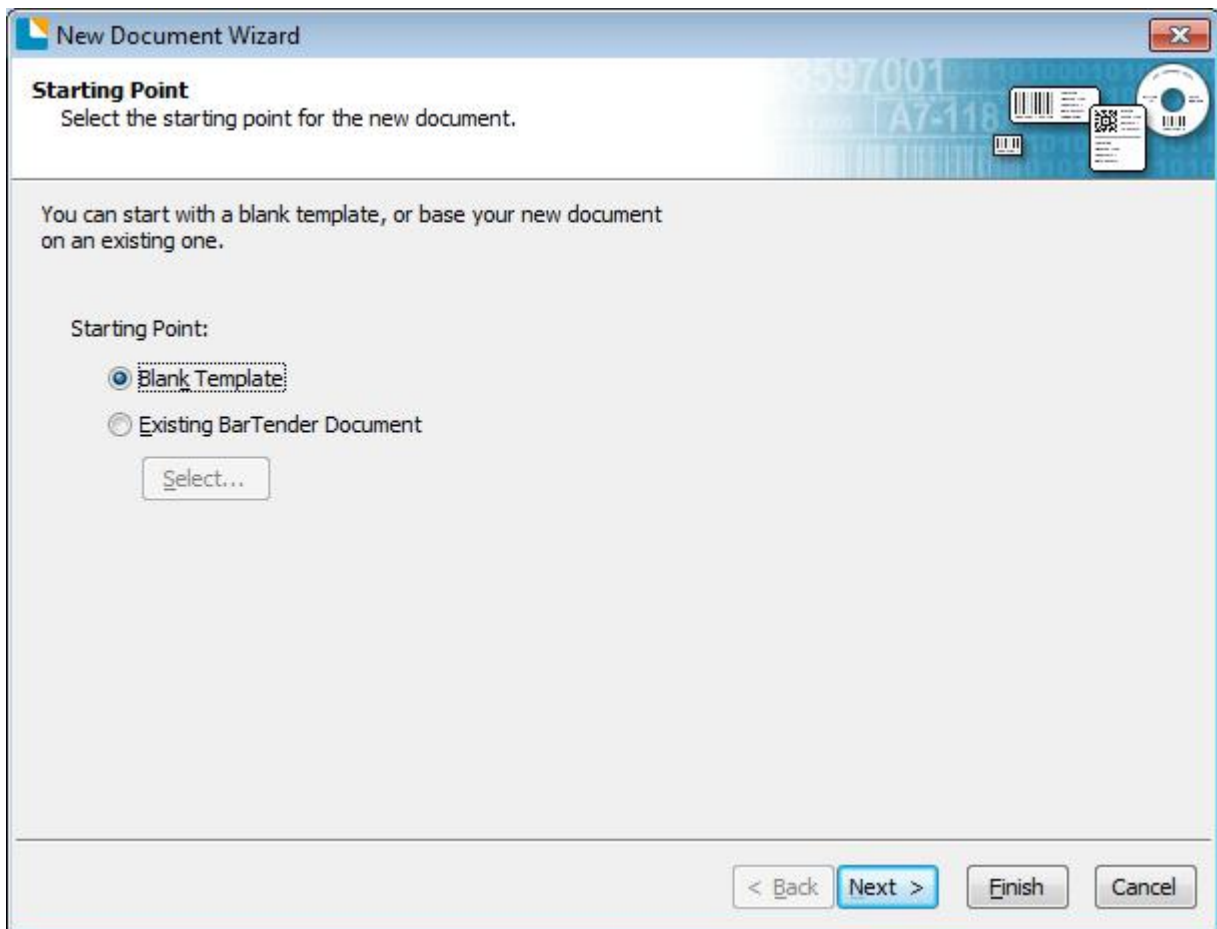
1. Double click the icon, then choose the edition. Click “OK”. (The edition may be changed according to different needs.)



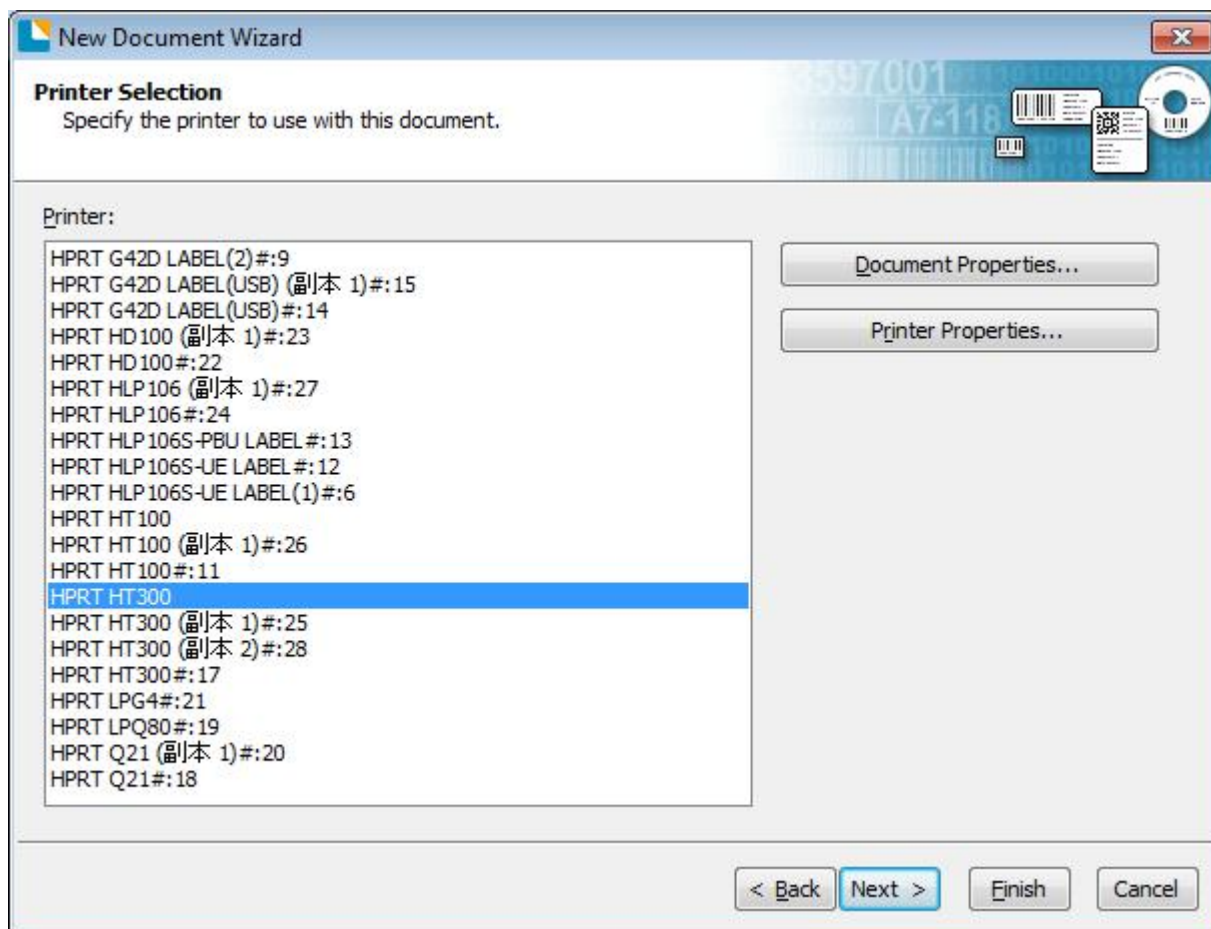
2. Click “Start a new BarTender document”.



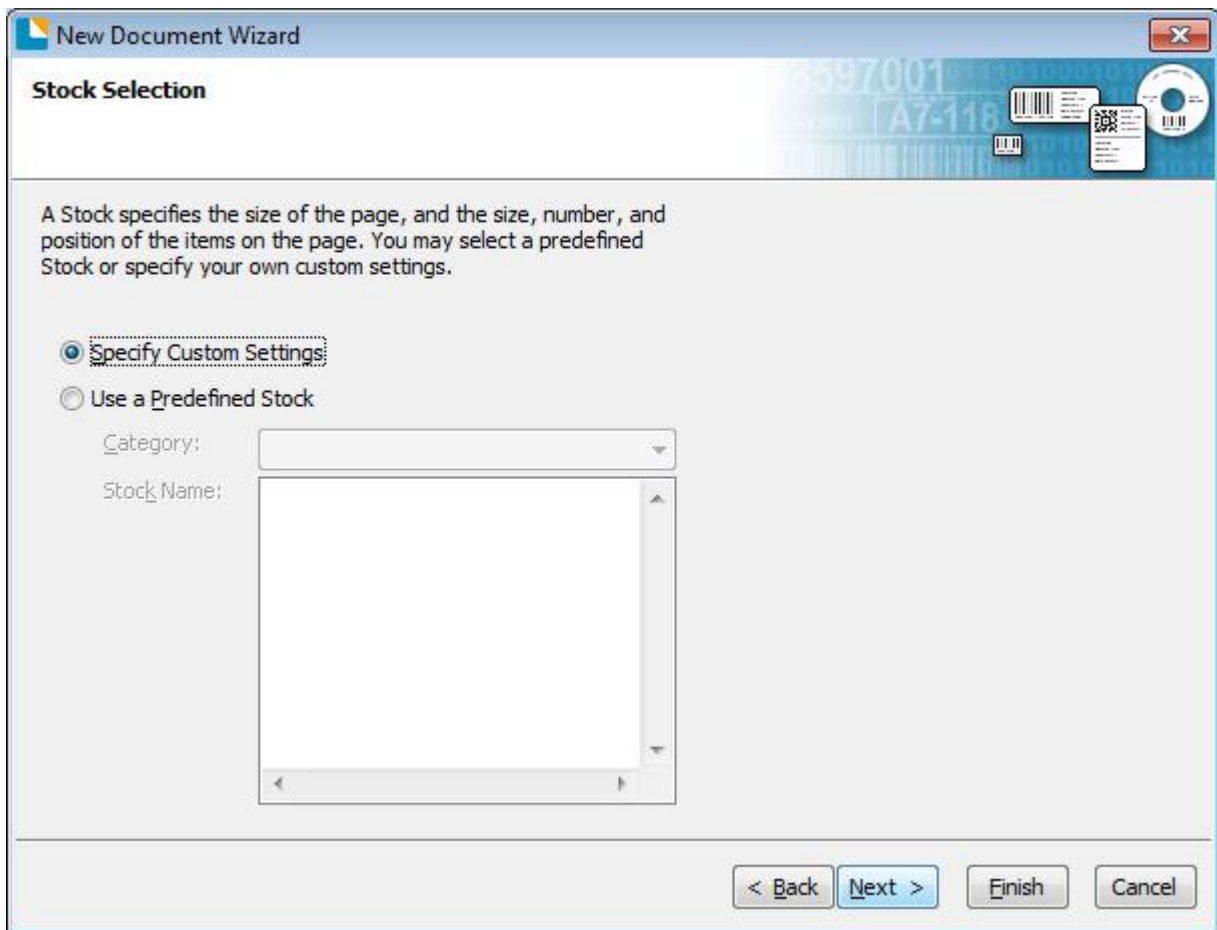
3. Choose “Blank Template”, then click “Next”.



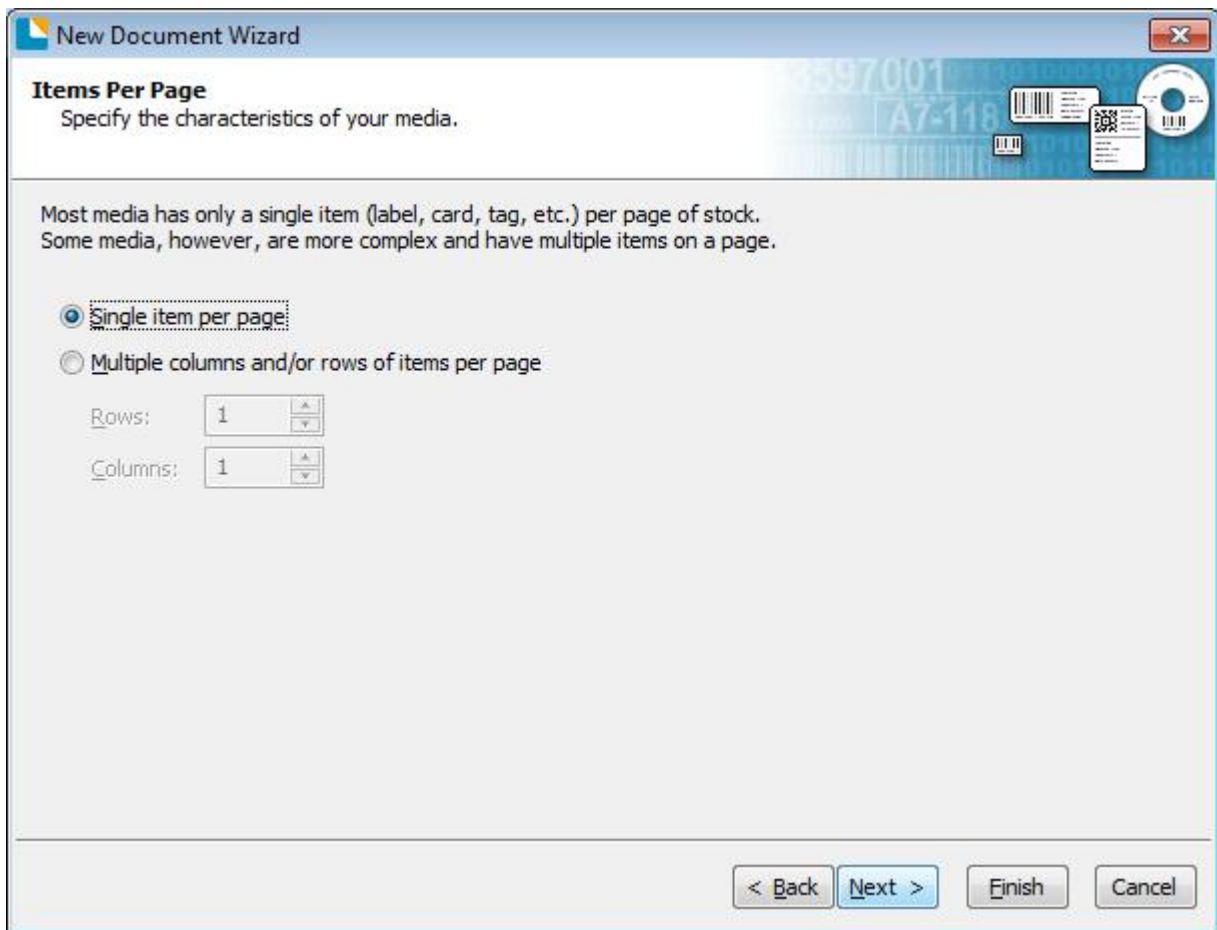
4. Choose the printer type, then click “Next”.



5.If the predefined stocks don't meet your need, tick "Specify Custom Settings". Then click"Next".



6. Tick “Single item per page”, then click “Next”. (If you print multiple labels, tick “Multiple columns and/or rows of items per page”.)



The screenshot shows a Windows-style dialog box titled "New Document Wizard". The current step is "Items Per Page", with the instruction "Specify the characteristics of your media." The background of the dialog features a collage of various media types including a barcode, a QR code, a CD, and a document page with the text "A7-118".

Below the instruction, there is explanatory text: "Most media has only a single item (label, card, tag, etc.) per page of stock. Some media, however, are more complex and have multiple items on a page."

There are two radio button options:

- ☒ **Single item per page:**
- ☐ **Multiple columns and/or rows of items per page**

Under the second option, there are input fields for "Rows:" and "Columns:", both currently set to the value "1".

At the bottom right of the dialog, there are four buttons: "< Back", "Next >", "Finish", and "Cancel". The "Next >" button is highlighted in blue.

7. Edit the side edges, then click “Next”.

The screenshot shows the 'New Document Wizard' dialog box, specifically the 'Side Edges' step. The title bar reads 'New Document Wizard'. The main heading is 'Side Edges' with the instruction 'Specify the characteristics of the sides of your media.' In the top right corner, there are icons for a barcode, a QR code, and a CD. The main content area asks: 'Does your stock have a small amount of unused material between the edge of the item and the edge of the page?'. There are two radio button options: 'Yes, it does have some unused material on the sides' (which is selected) and 'No, it does not'. Below this, under the heading 'Width of Unused Area:', there are two input fields: 'Left: 0.05 in' and 'Right: 0.05 in'. To the right of these options is a 'Preview:' section showing a rectangular template with rounded corners and a double-line border. Below the preview, it says 'Template Size: 3.998 x 4 in'. At the bottom of the dialog, there are four buttons: '< Back', 'Next >' (highlighted in blue), 'Finish', and 'Cancel'.

New Document Wizard

Side Edges
Specify the characteristics of the sides of your media.

Does your stock have a small amount of unused material between the edge of the item and the edge of the page?

☒ Yes, it does have some unused material on the sides

☐ No, it does not

Width of Unused Area:

Left: 0.05 in

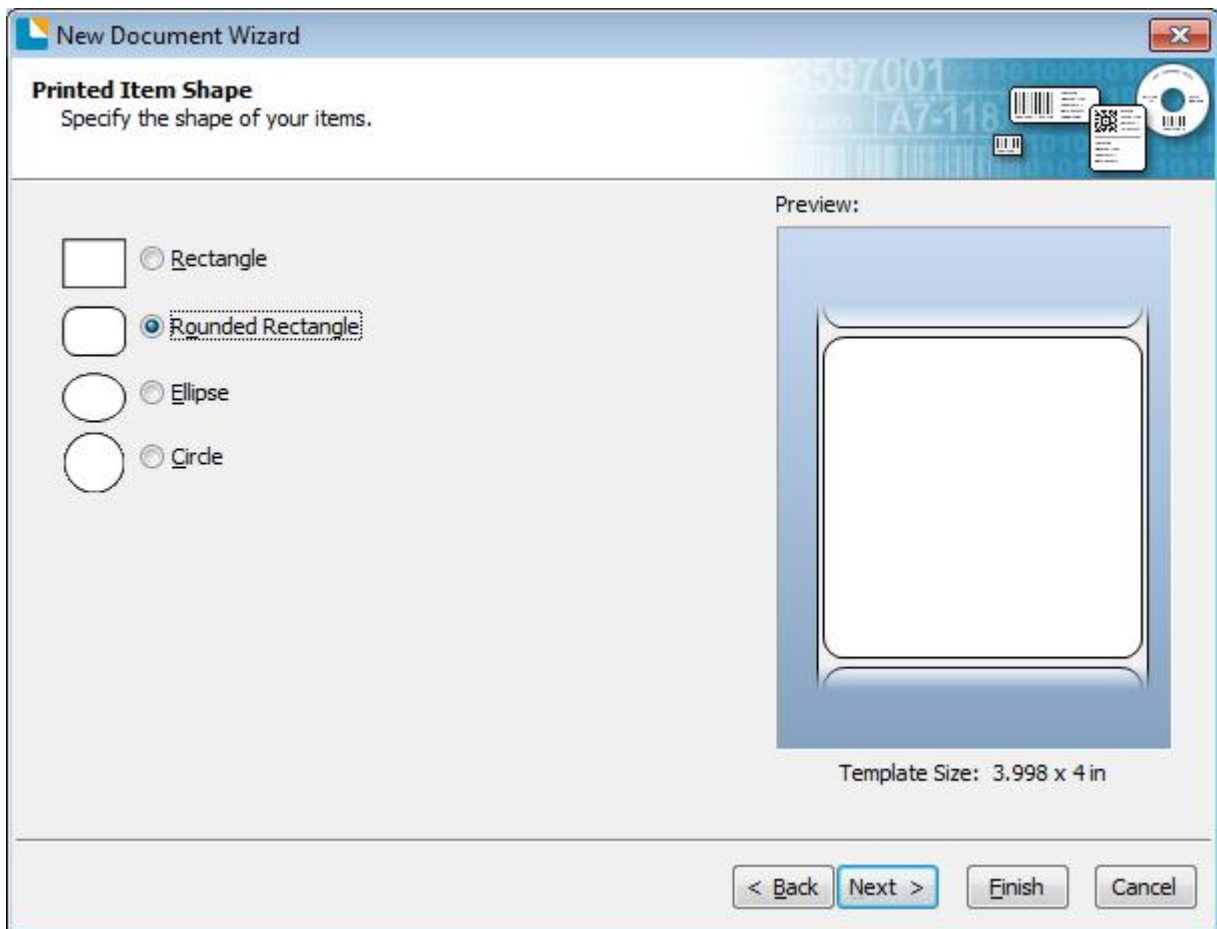
Right: 0.05 in

Preview:

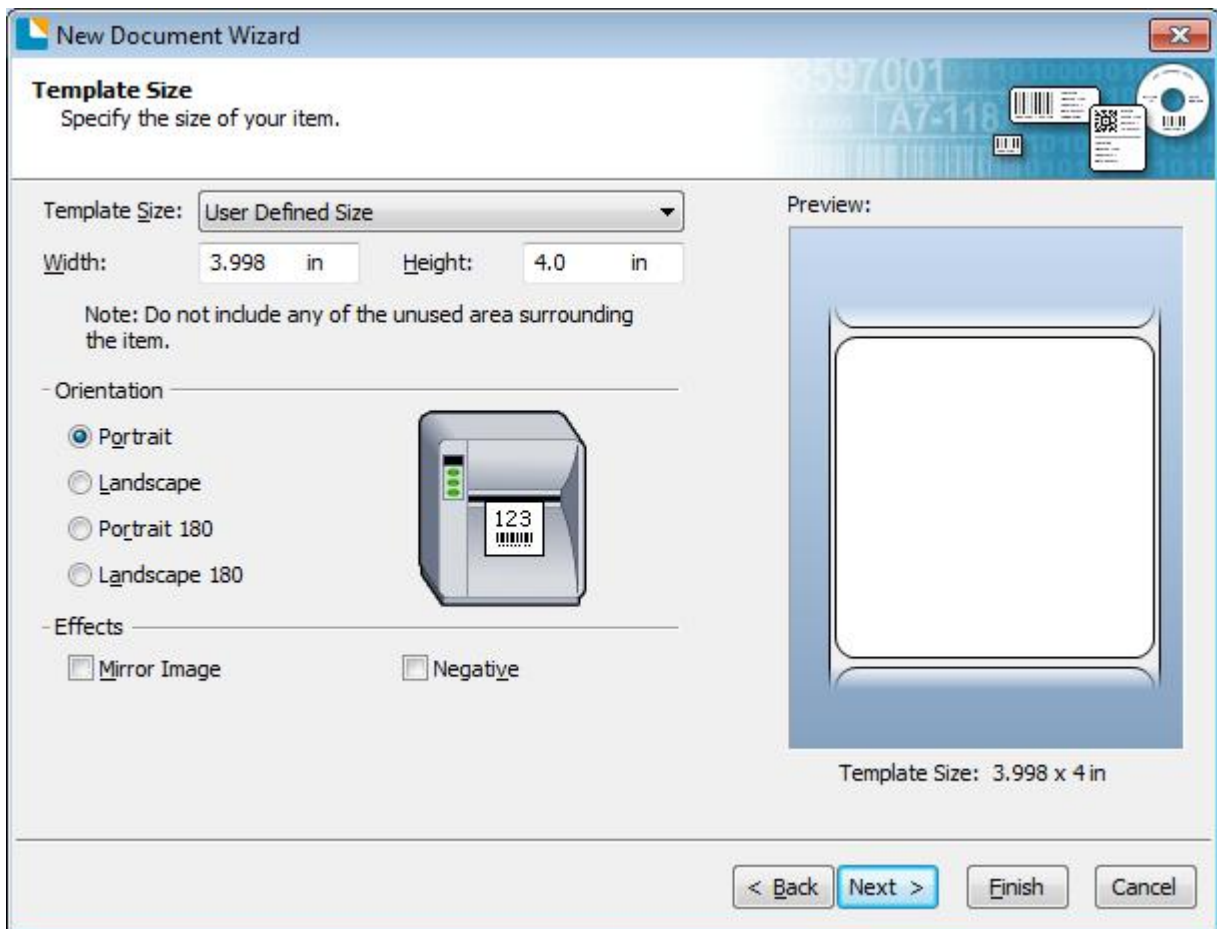
Template Size: 3.998 x 4 in

< Back Next > Finish Cancel

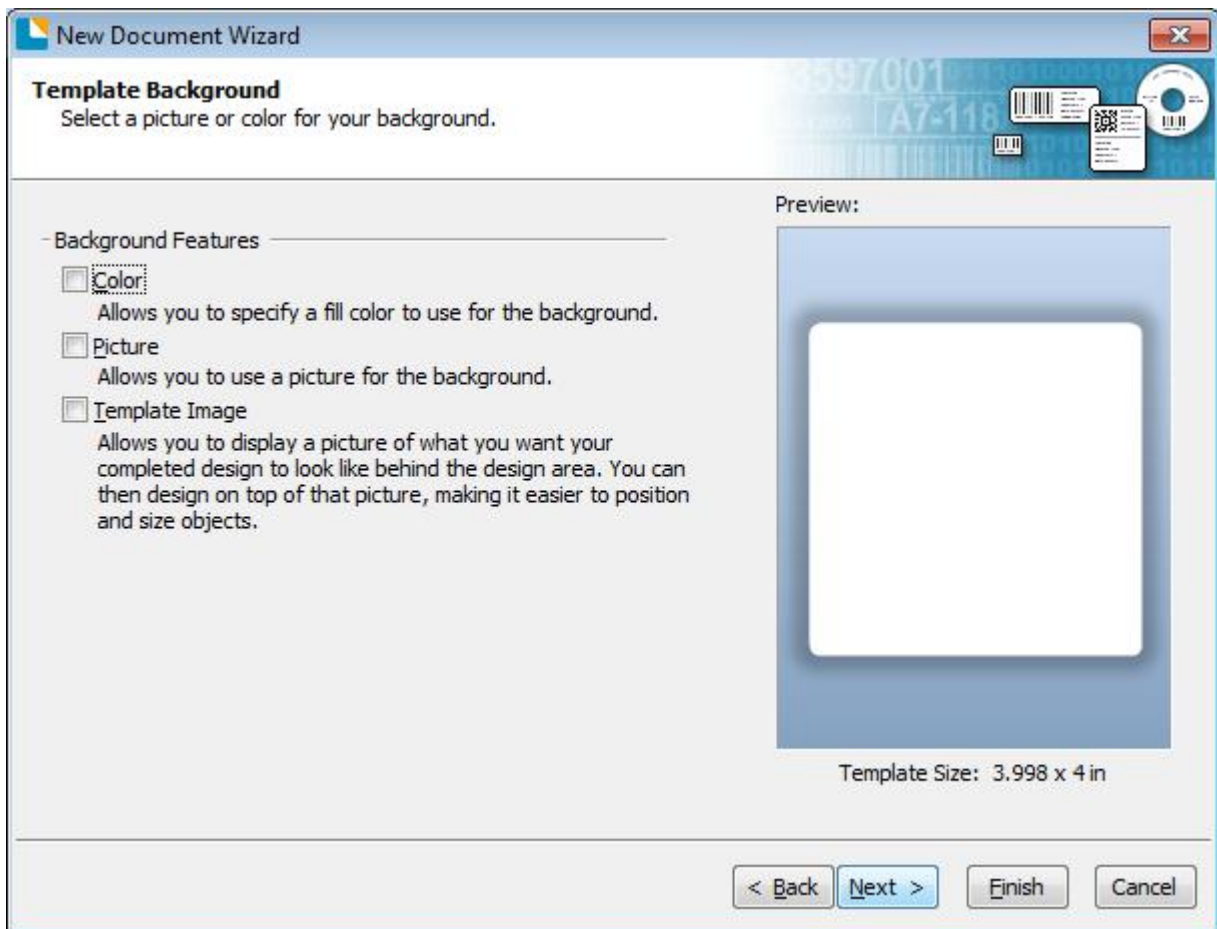
8. Choose the item shape, then click “Next”.



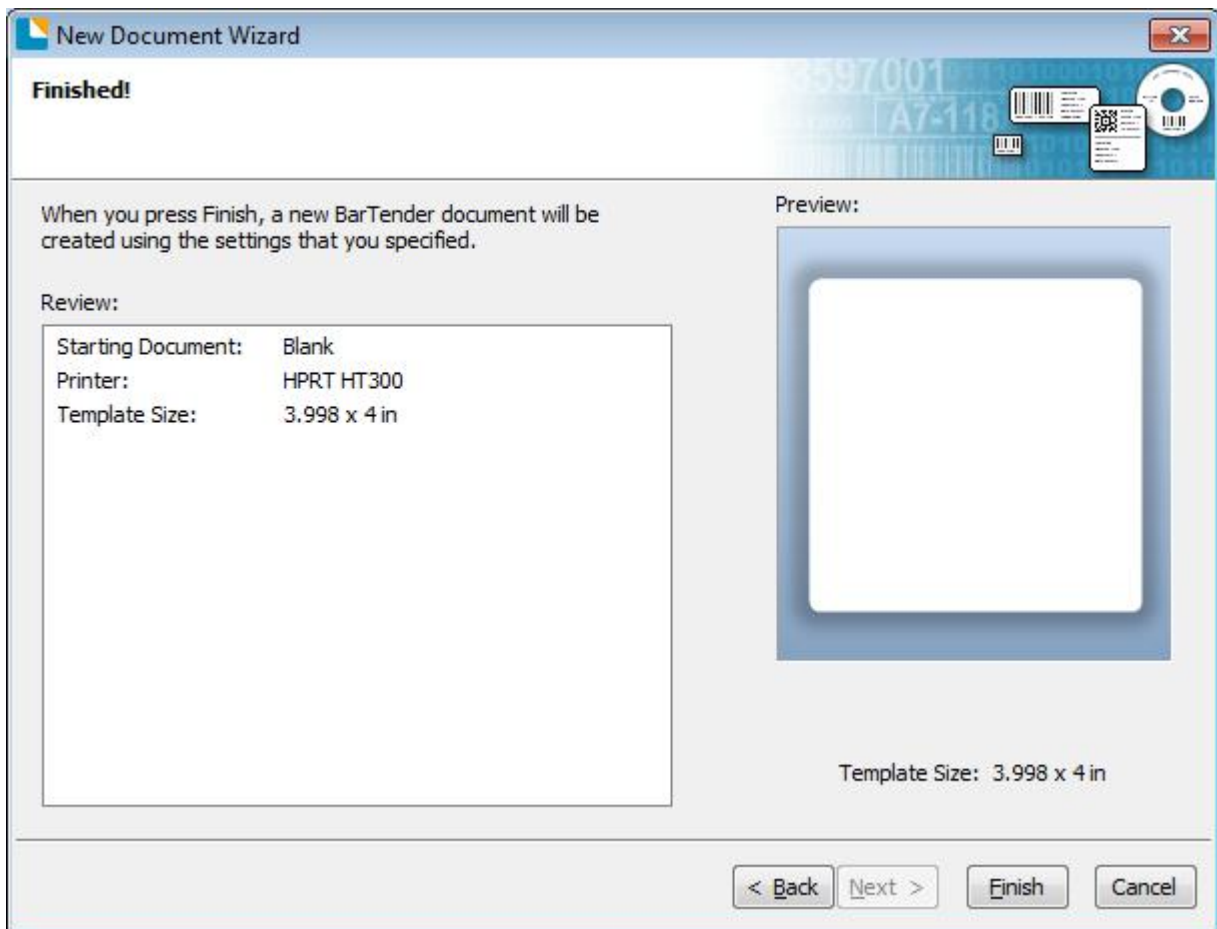
9. Edit the template size, then click “Next”.




10. Based on your need, edit the template background. Then click "Next".

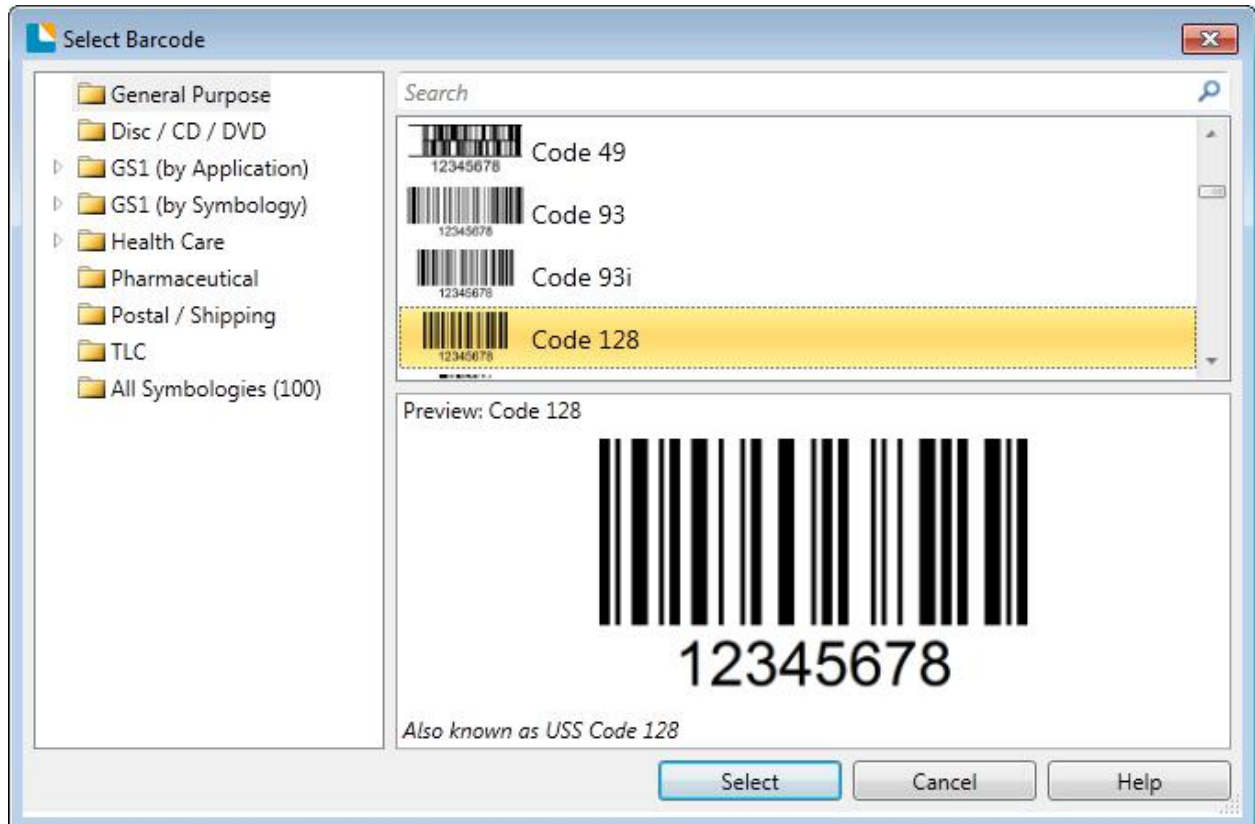


11. Finish the settings, showed in the “Review” and “Preview”. Then click “Finish”.



8.4.2 label Edit

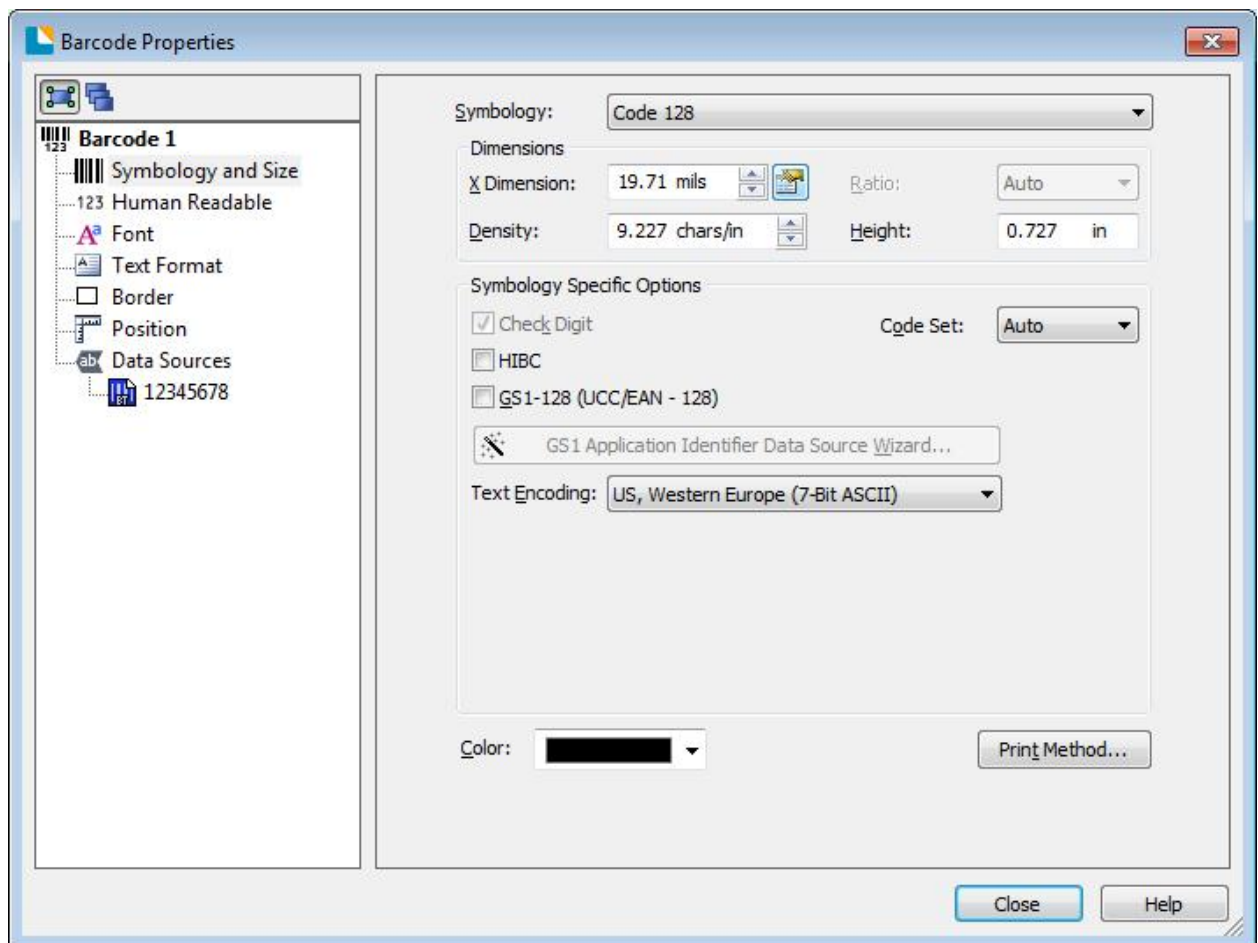
1. Click the icon of code .
2. Choose the code, then click "Select".



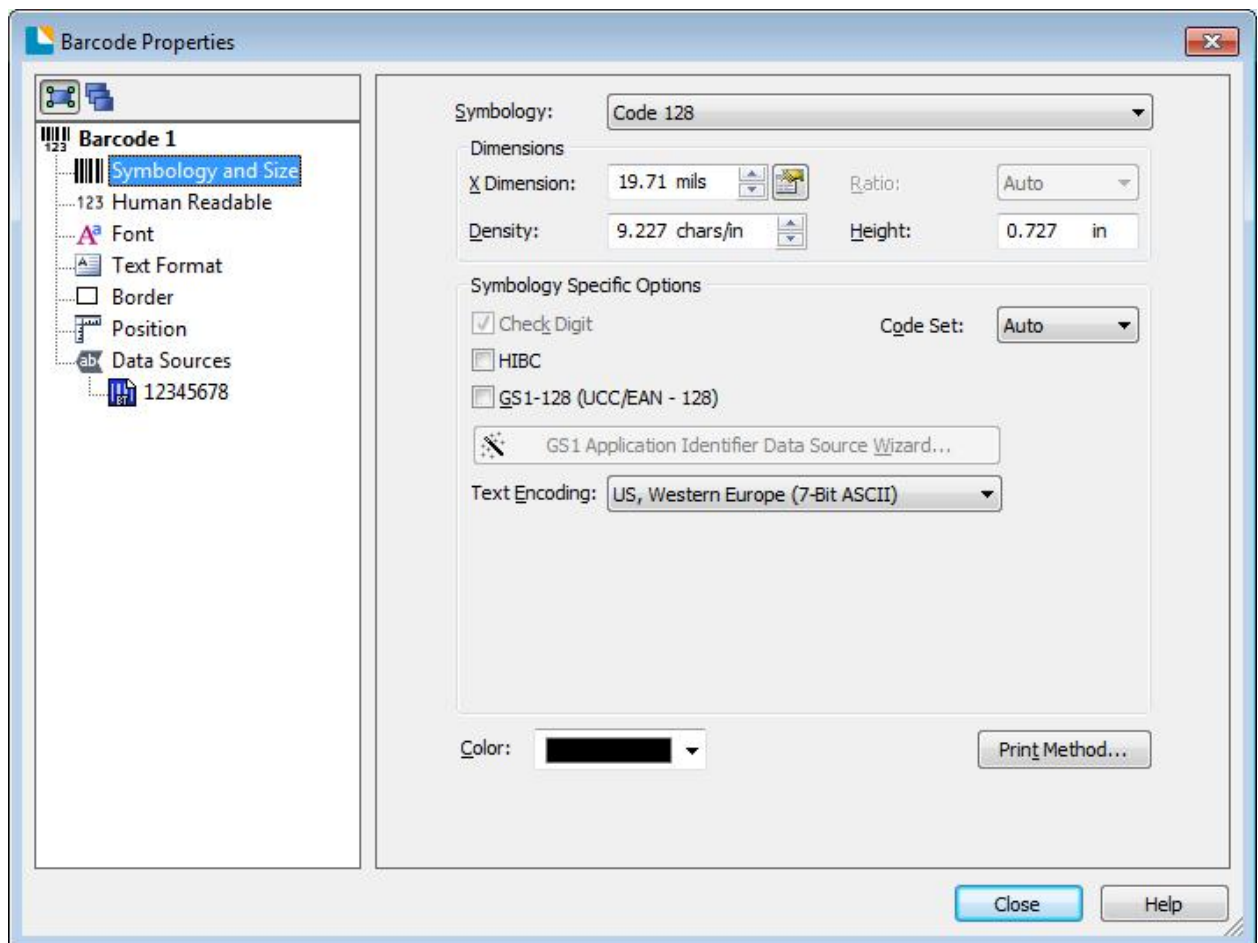
3. Click the blank, showing the code.



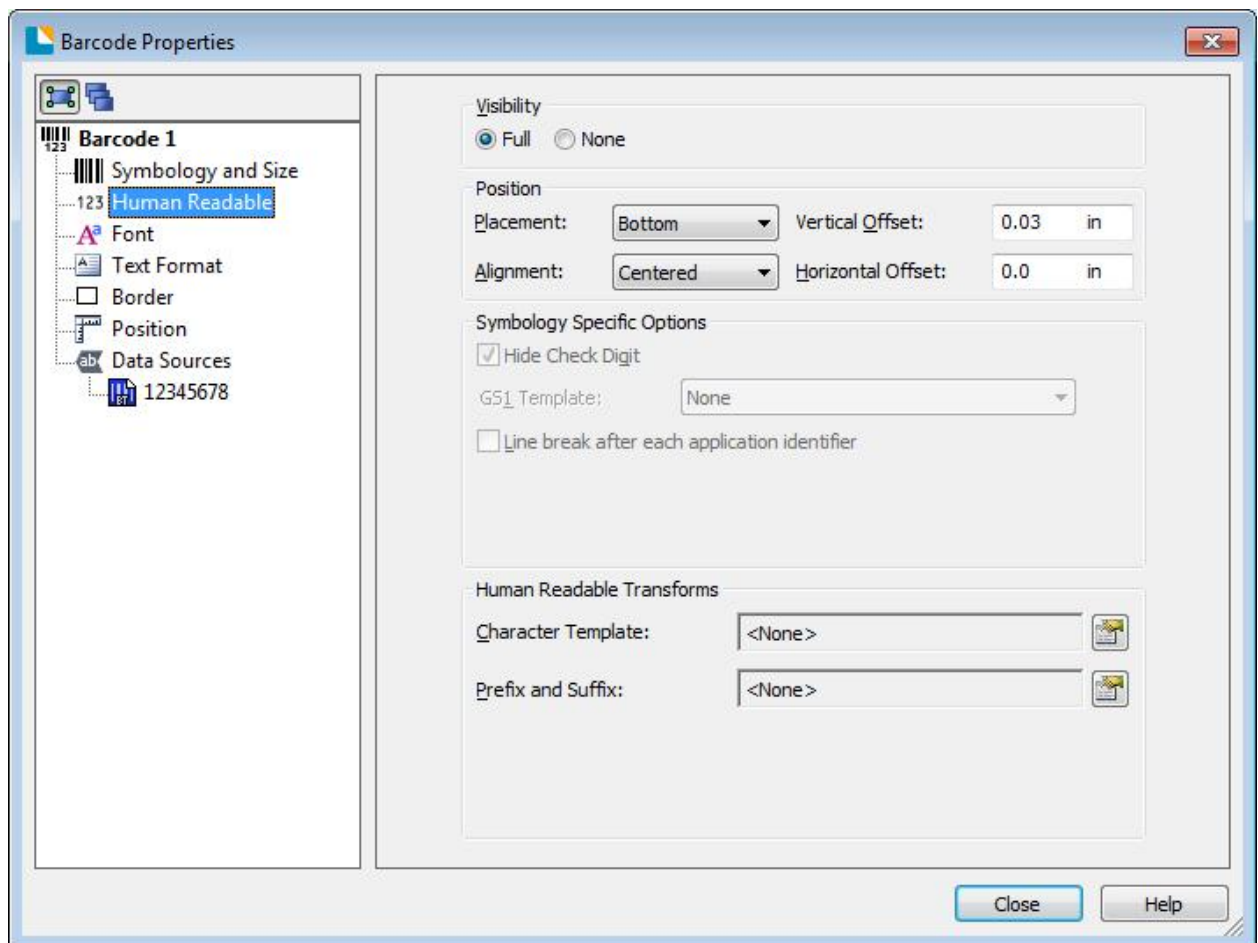
4. Double click the code and edit it.



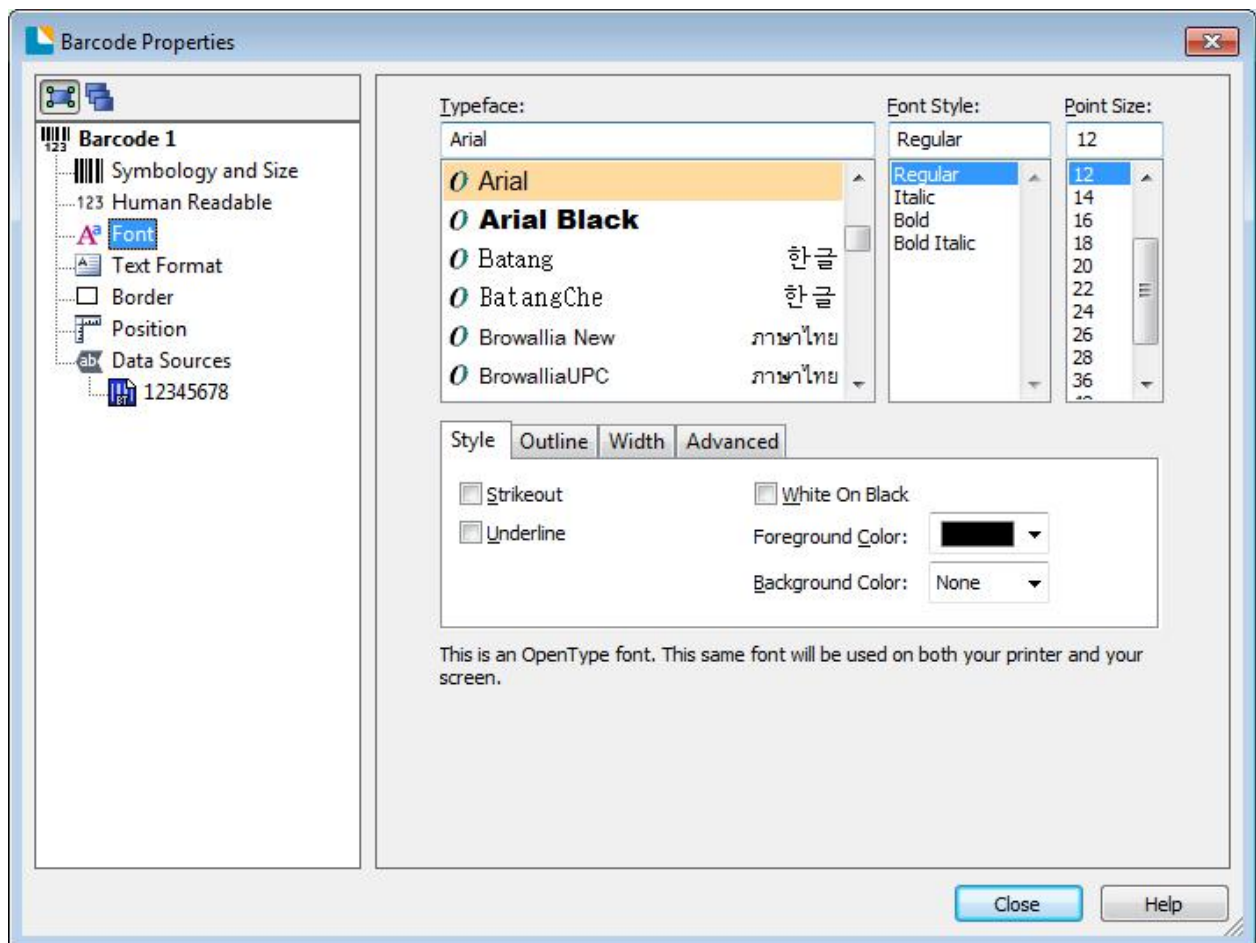
- Click “Symbology and Size”, then edit the size.



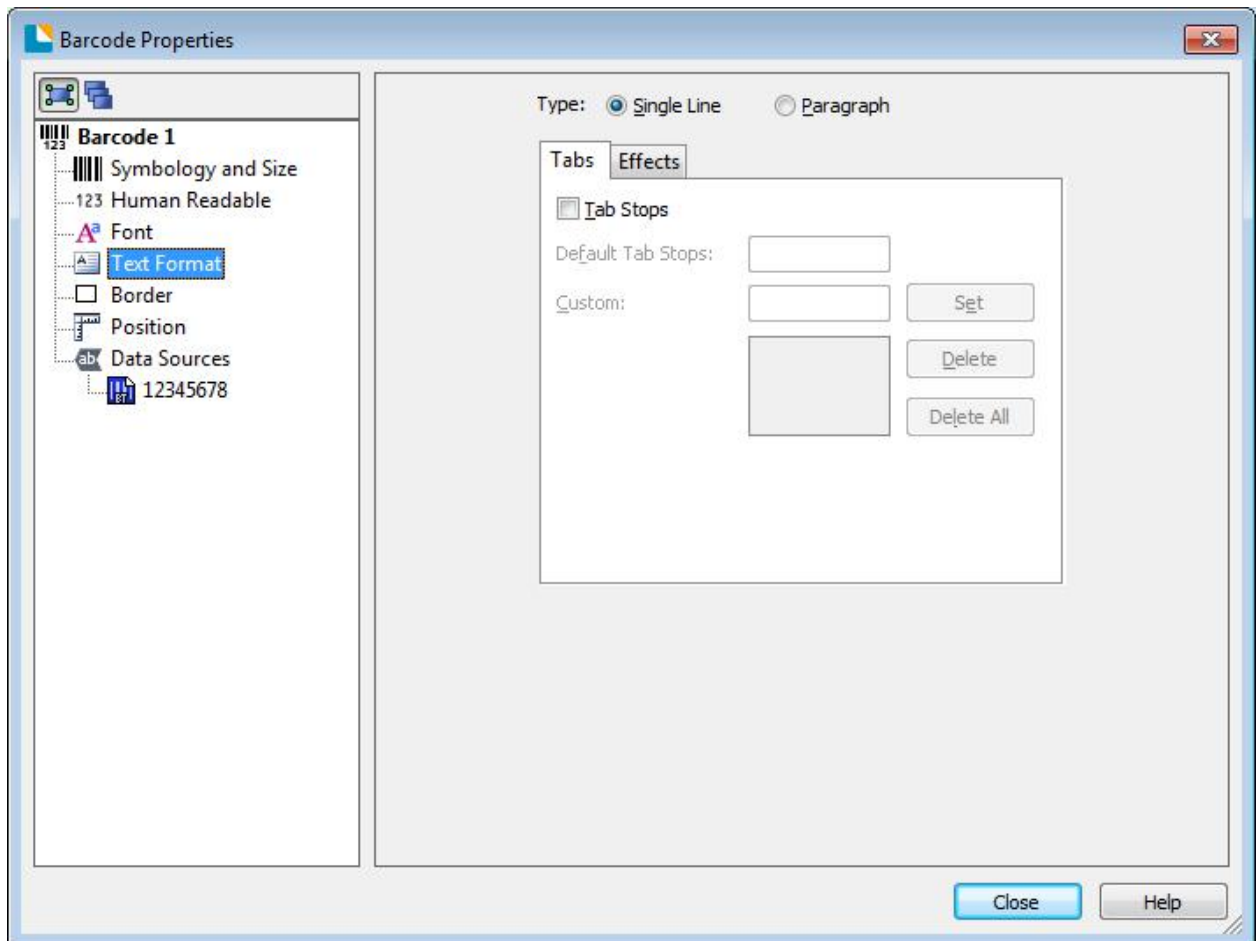
- Click “Human Readable”, then edit the position.



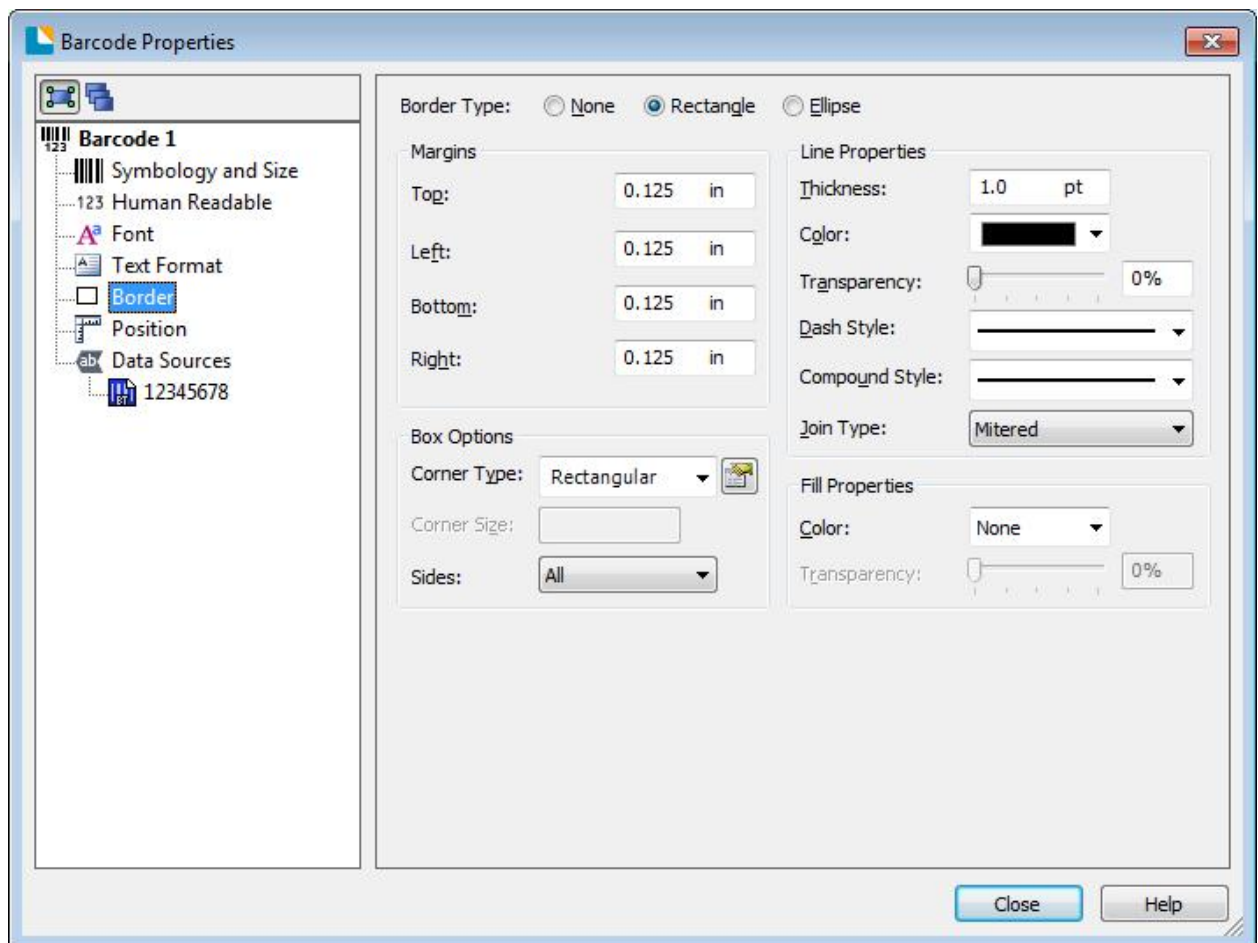
- Click “Font”, then edit the character.




- Click “Text Format”, then edit the paragraph.



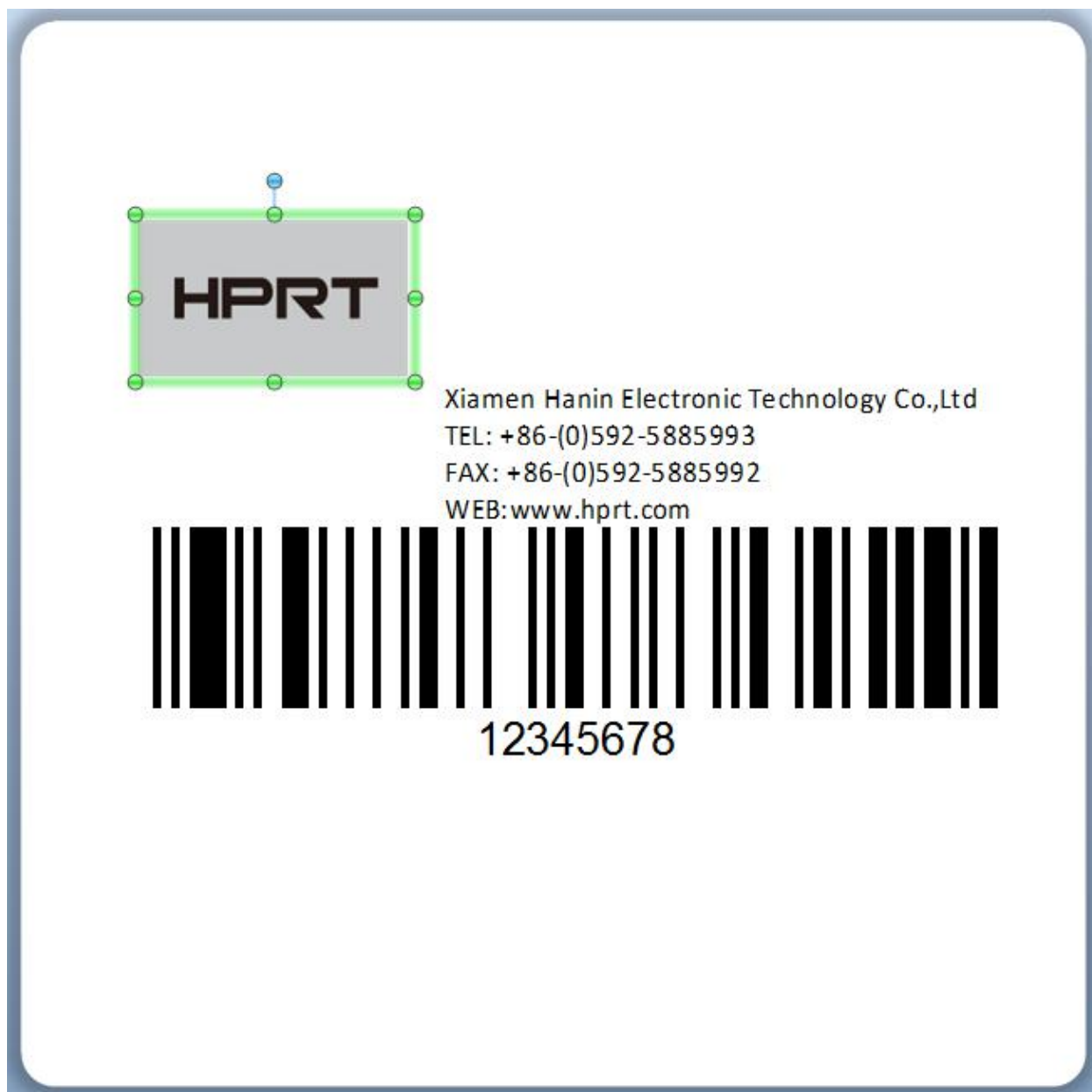
- Click “Border”, then edit the border.



5. Click the icon of character , then enter the text.



6. Click the icon of picture , then edit the pictures.



7.Compose the text.



8.Finish all the settings. Click "Print" and a new label has been printed.