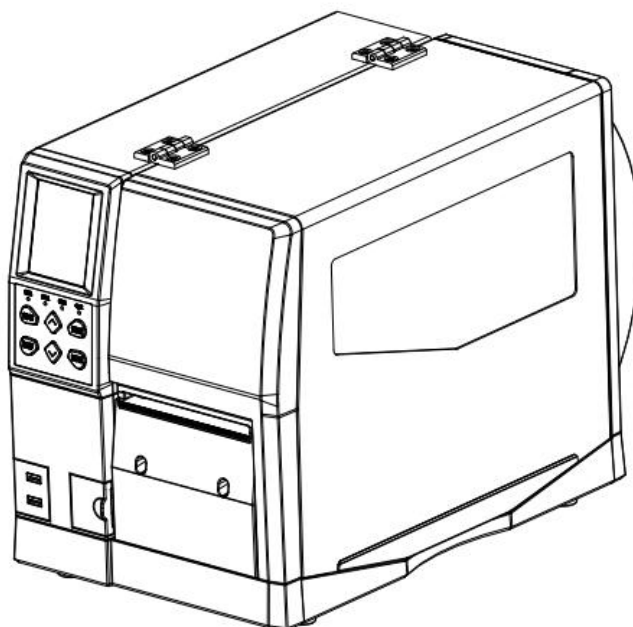




*Let Things Better,
Faster and Vital*

iX4R



User Manual

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Rev.1.0

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Change Record

Rev.	Date	Description	Editor	Checker
1.0	2024.01.18	--	Zhong Yaxian	Yu Mingxu

■ Statement

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■ Copyright

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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.

Important Safety Instructions

Before using the 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 can 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 can 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 can be electrocuted.

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

- A damaged cable can cause a fire.



Note: 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, it can be broken and you can 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 for 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 others 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

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



Printer



Power Cord



USB Cable



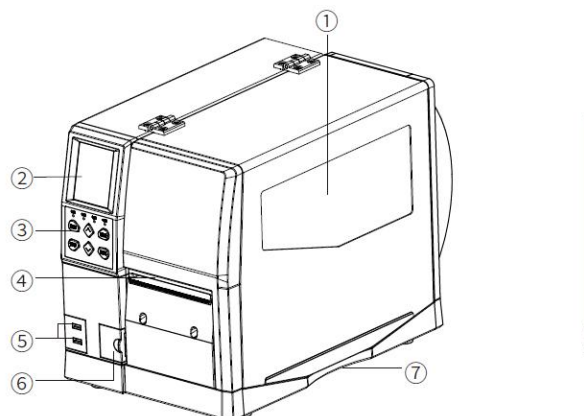
Quick Start Guide



Note: The packing materials are based on the order.

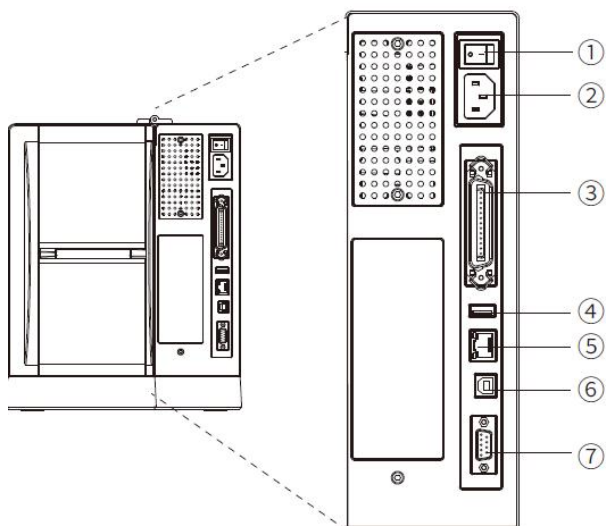
1.2 Appearance and Components

■ Front View



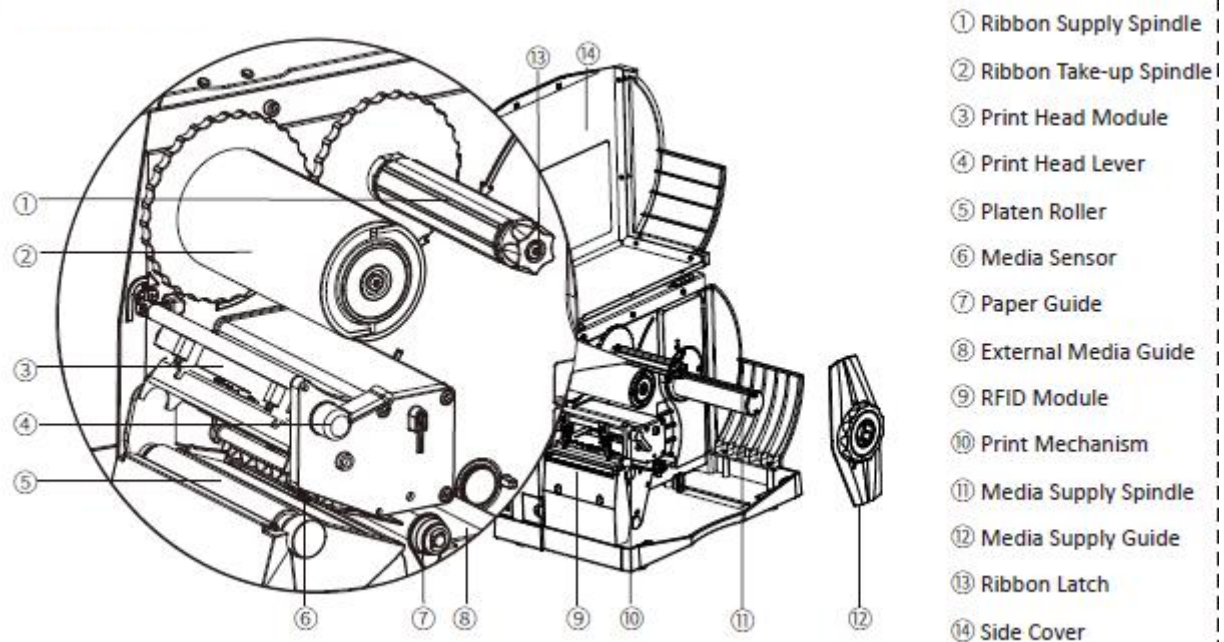
- ① Cover Assembly ② Display ③ Control Panel
④ Exit Slot ⑤ USB Host ⑥ Cover of Extend Ports
⑦ Cover Opening

■ Rear View

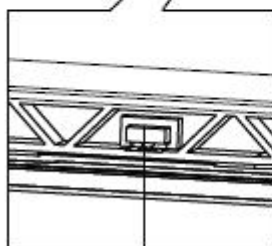
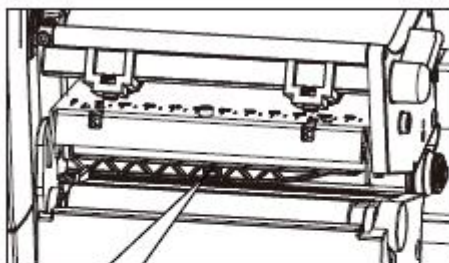


- ① Power Switch ② AC Power Port ③ Parallel Port
④ USB Host ⑤ Ethernet Port ⑥ USB B-type
⑦ Serial Port

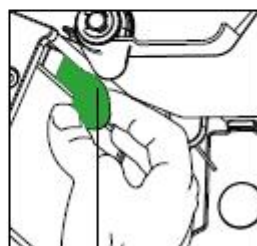
■ Inside View



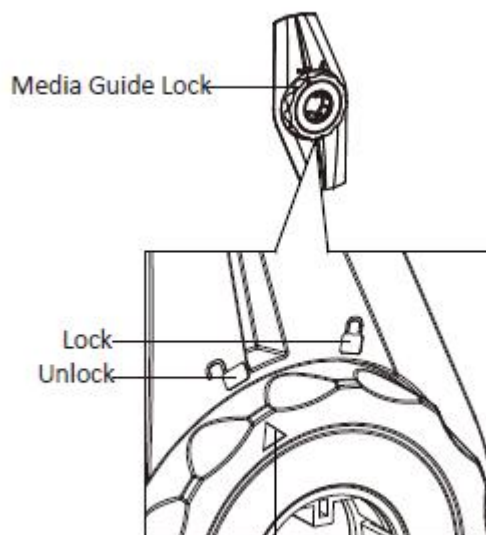
Print Mechanism



Media Sensor

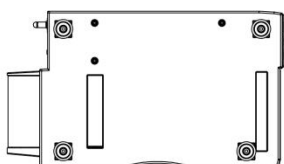
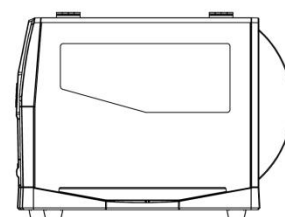
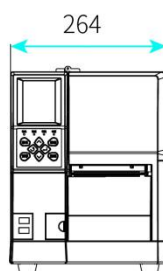
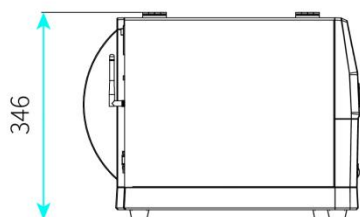
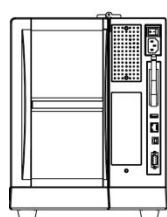
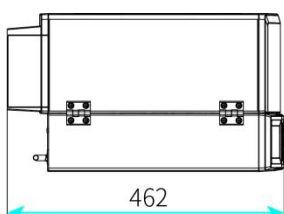
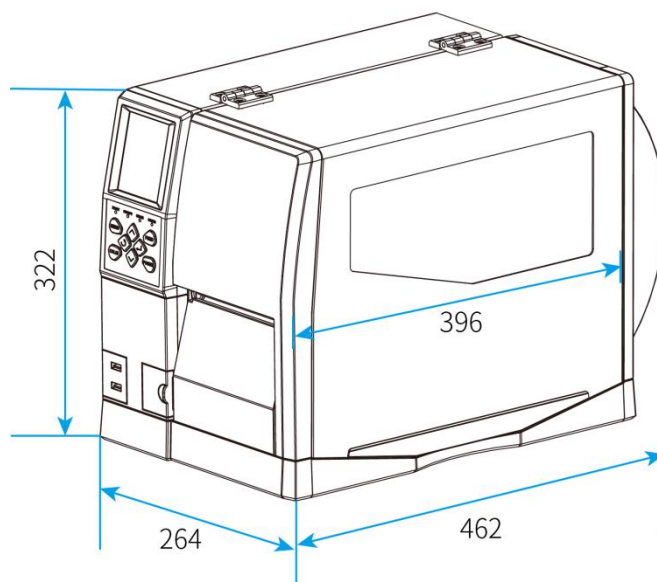


Media Adjusting Lever



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

1.3 Dimension



Chapter 2 Specifications

Item		Parameter
Printing	Printing Method	Thermal Transfer/Direct Thermal
	Resolution	600dpi
	Printing Speed	8ips
	Printing Width	104.6 mm
	Printing Length	752mm(600dpi)
CPU		32-bit ARM Cortex-A9
Memory	RAM	512MB
	Flash	512MB
Detection	Sensor	Print Head on Detect, Carbon Out Detect Paper Out Detect, Print Head Over Temperature Detect, Error Retype Seam/hole/black Positioning Detect, Motor Over Temperature Detect, RF Tag Detect
Media	Type	Continuous Paper, Die Cut, Black Mark, Ultra-high Frequency Electronic Labels, Label Paper
	Width	25mm~120mm
	Thickness	0.06 mm - 0.25 mm
	Label Outer Diameter	10-inch (254mm)
	Label Inside Diameter	1.5-inch (38.1mm), 3-inch (76.2mm)
Ribbon	Type	Wax, Wax/Resin, Resin
	Width	1.18-inch(30mm) – 4.33-inch(110mm)
	Length	1476' (450 m)
	Inside Diameter	1-inch (25.4mm)

Item		Parameter
Programming Language		ZPL,DPL,EPL,TSPL
RFID		Working frequency FCC 902-928MHz adjustable Supports EPC Class1/Gen 2, ISO18000-6C
Software	Label Design Software	Seagull Bartender UltraLite
	Driver	Windows XP, 7, 8, 10. server 2008, 2012 CUPS for Linux and MAC OS
Built-in Fonts		Alphanumeric, Simplified Chinese, Traditional Chinese, 29 international character sets
Custom Fonts		Support
Barcodes	1D	UPC-A, UPC-E, EAN128, Codabar, CODE128, CODE39, CODE93, EAN-8, EAN-13, UCC/EAN128, POSTNET, ITF14, HIBC, MSI, Plessey, Telepen,FIM, GS1 DataBar, German Post Code, Planet 11 & 13, Japanese Postnet, Interleaved 2 of 5, Standard 2 of 5, Industrial 2 of 5, Logmars, CODE11
Barcodes	2D	CODE49, CODABLOCK, PDF417, Data Matrix, Maxicode, QR Code, MicroPDF471, Aztec
Interfaces	Standard	1 B-type USB 2.0, 3 USB HOST, 1 100/1000Mpa Ethernet port and 1 RS232 serial port
	Optional	Parallel port, Wi-Fi
LCD Display		3.5" TFT LCD

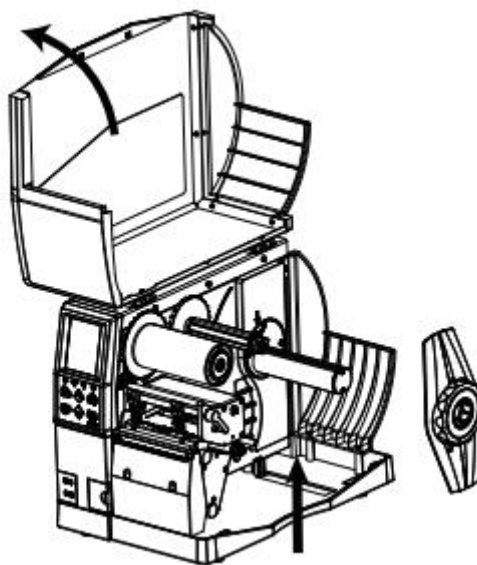
Item		Parameter
Control Panel		Status light, Prompt light, Error light, Power light Control button: Menu, Calibration, Feed, Pause, Up/Down Arrow Chinese interface, capable of displaying printing status, error information, etc
Power Supply		Input: AC 100V-240V, 50/60Hz Output: DC 24V/2.5A
Environment	Operation	+5-+40℃ @ humidity 30% to 85%, non-condensing
Physical Characteristic	Dimension	460.4 x 263.6 x 330.5mm (L*H*W)
	Weight	12.5 Kg
Options & Accessory		Peeler Module, Cutter Module, External Label Roll Holder
Agency Approval		CE, FCC, CCC, CB, UL, RoHS, WEEE

Chapter 3 Installation & Usage

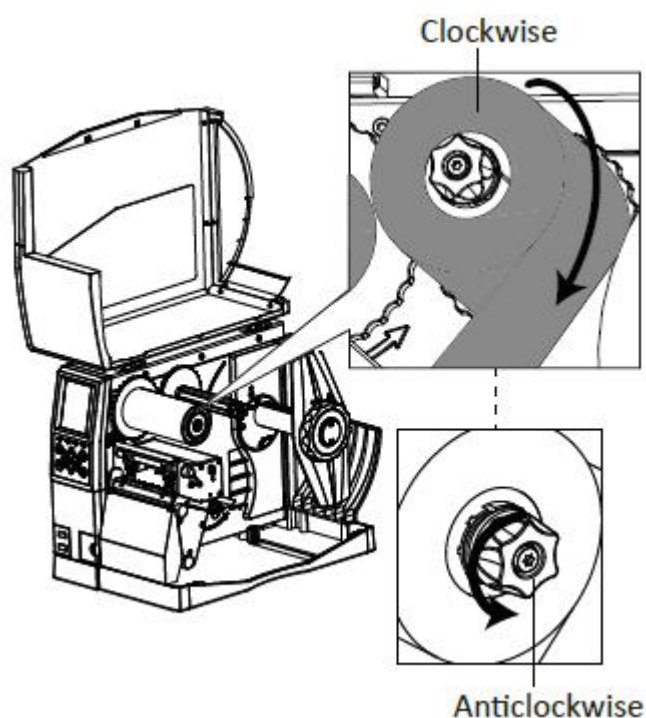
3.1 Ribbon and Paper Loading

3.1.1 Ribbon loading

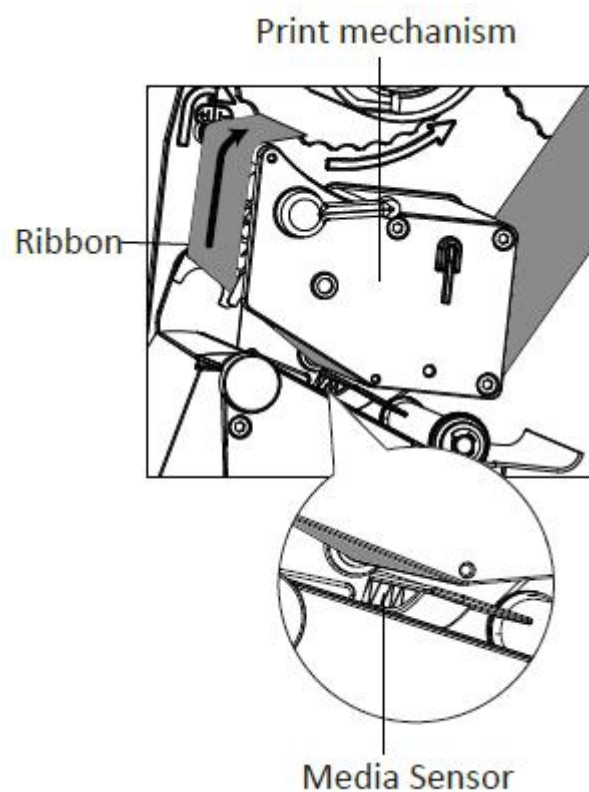
1. Place the printer on the flat table, lift the cover from the bottom-right of printer by hand.



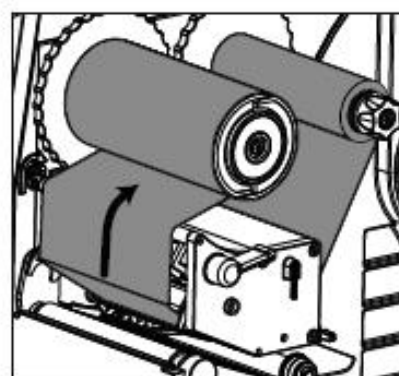
2. Load the outside ink ribbon into ribbon supply spindle, then anticlockwise tighten the latch knob to fix the ribbon.



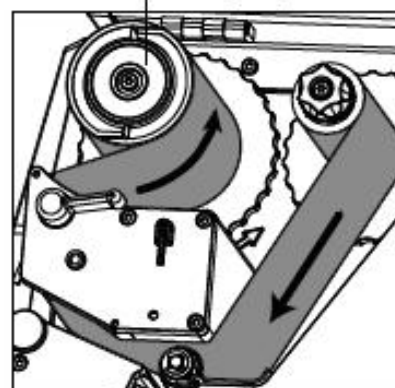
3. Pull a part of ribbon, then pass the ribbon between the print mechanism and the media sensor.



4. Pass the ribbon over the print mechanism and the ribbon take-up spindle, and then wrap it several turns around the ribbon take-up spindle.

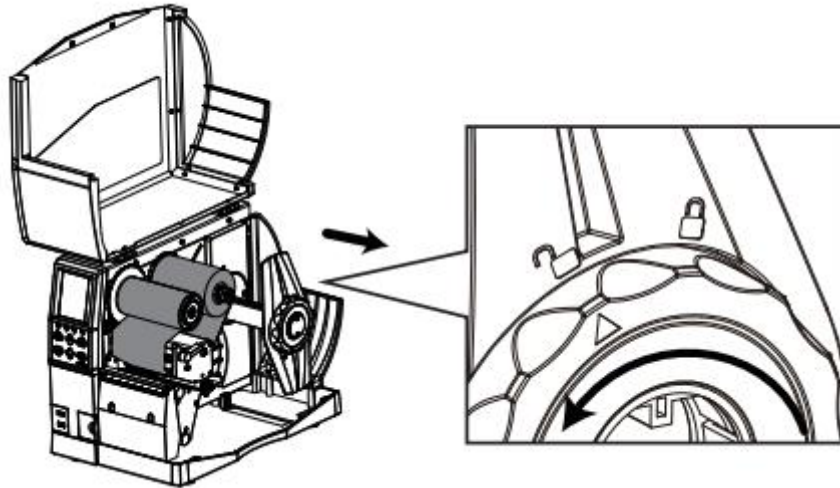


Ribbon Take-up Spindle

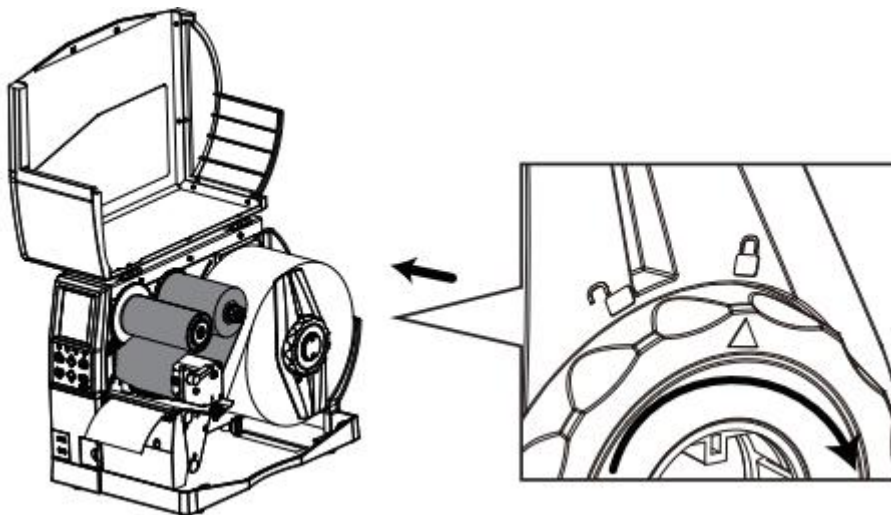


3.1.2 Media Loading

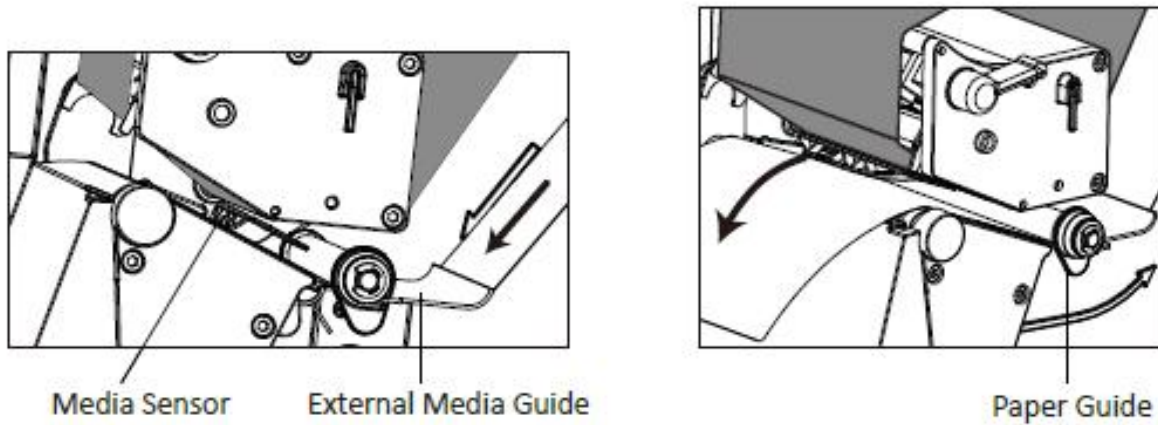
1. Rotate the arrow mark that locates in media guide lock of media spindle to unlocking position, then remove the media guide.



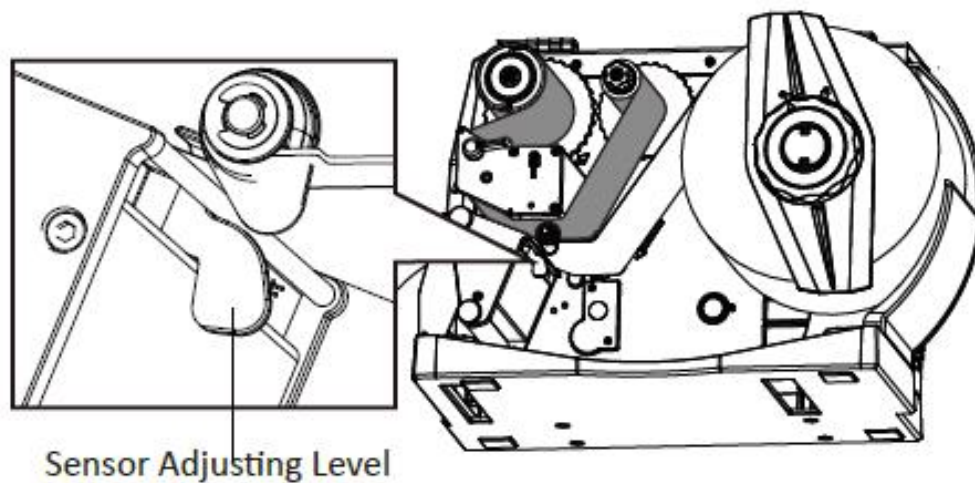
2. Mount a label roll onto the media spindle. Be sure to push the roll all the way aligned the inner wall of the printer. After the label roll be loaded, put the media guide back on the media spindle. Then rotate the arrow mark that locates in unlocking position to lock position so that it can be latched.



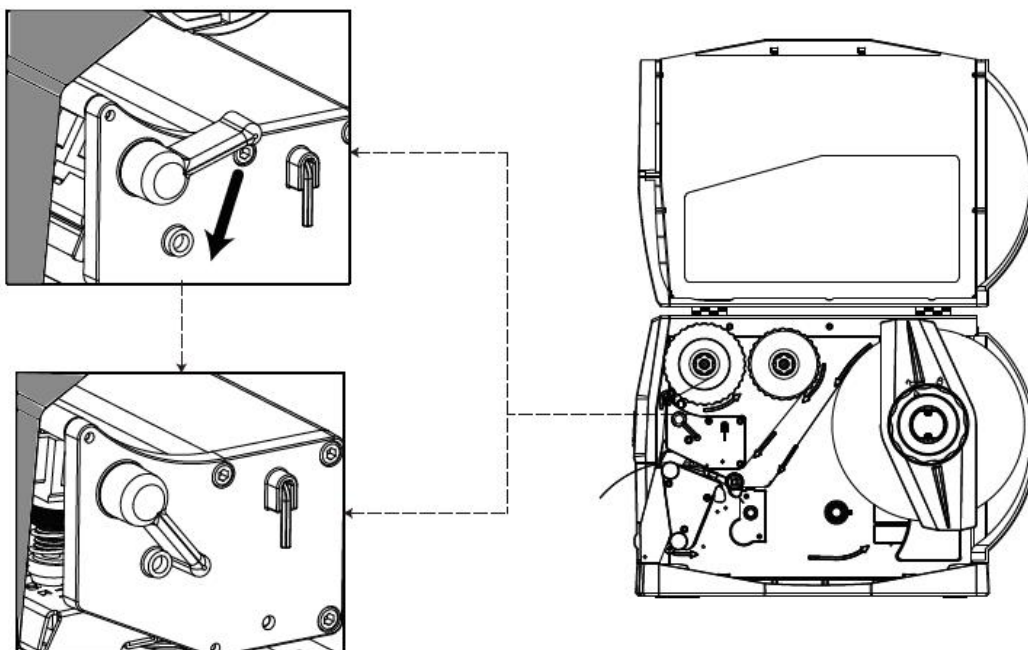
3. Pull out part of label and pass it under the media dancer assembly and media sensor until it reaches the exit slot. Then slide the paper guide to adjust for the label width.



4. When using the gap label, black mark label or punch hole label, you can manually adjust the media sensor by the pulling to find the gap, black mark or punch hole for the start printing position.

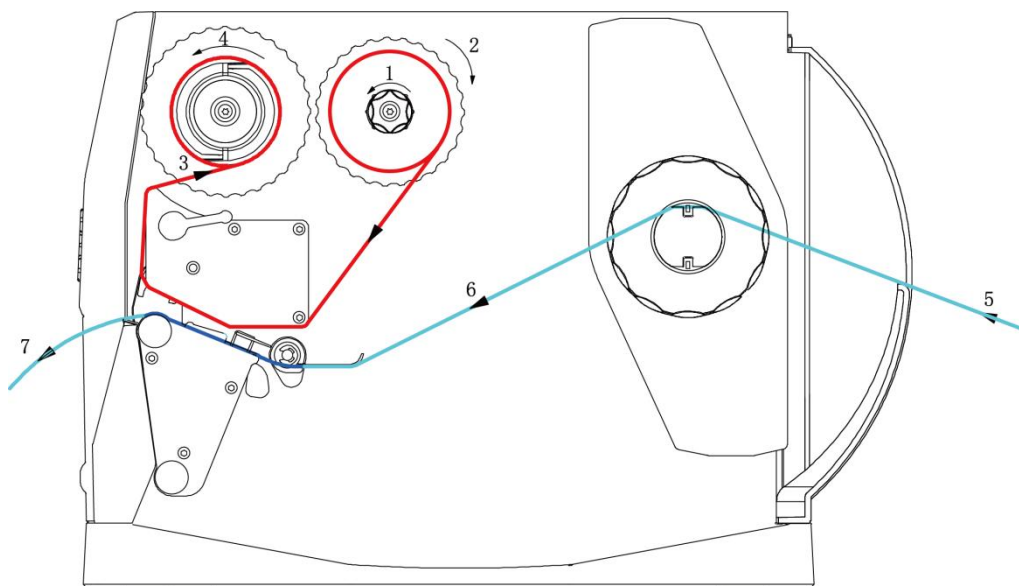


5. After finishing the label loading, turn down the print head lever to make ribbon and label fit snugly.

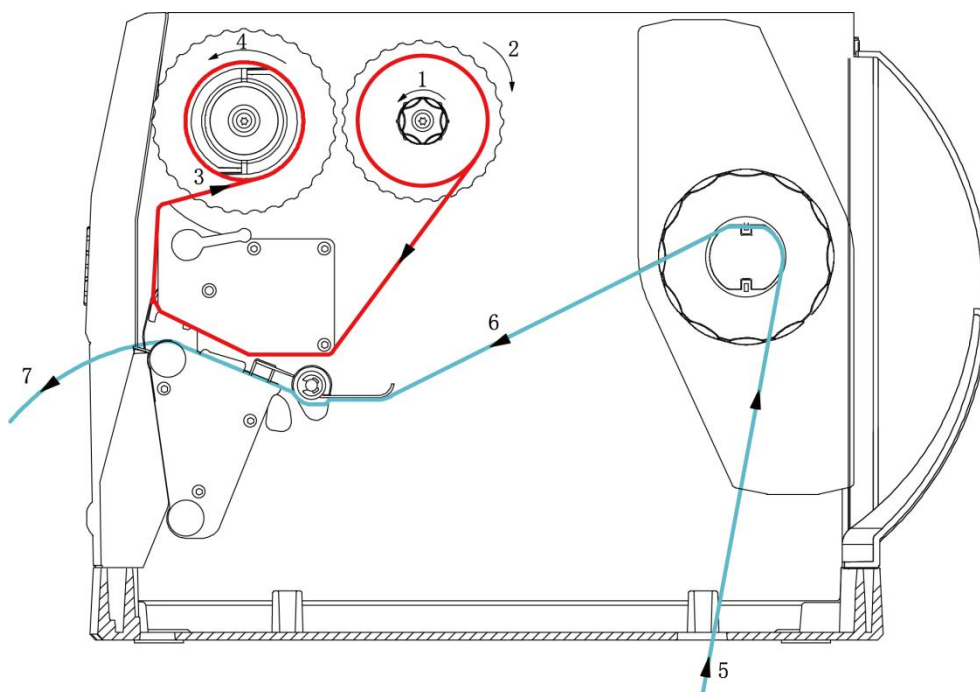


3.1.3 Media Path

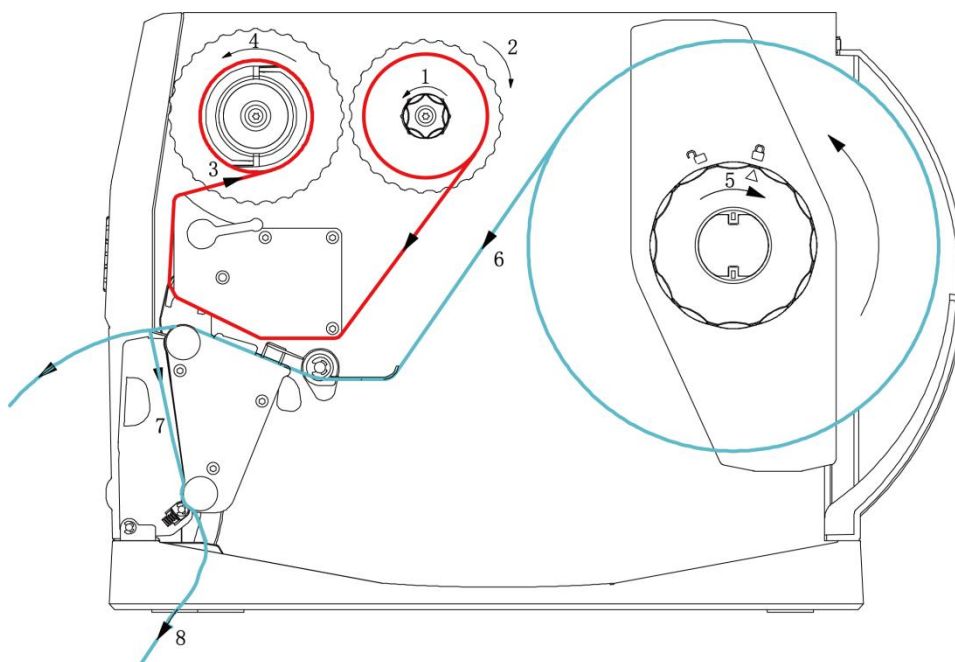
1. Backside feeding



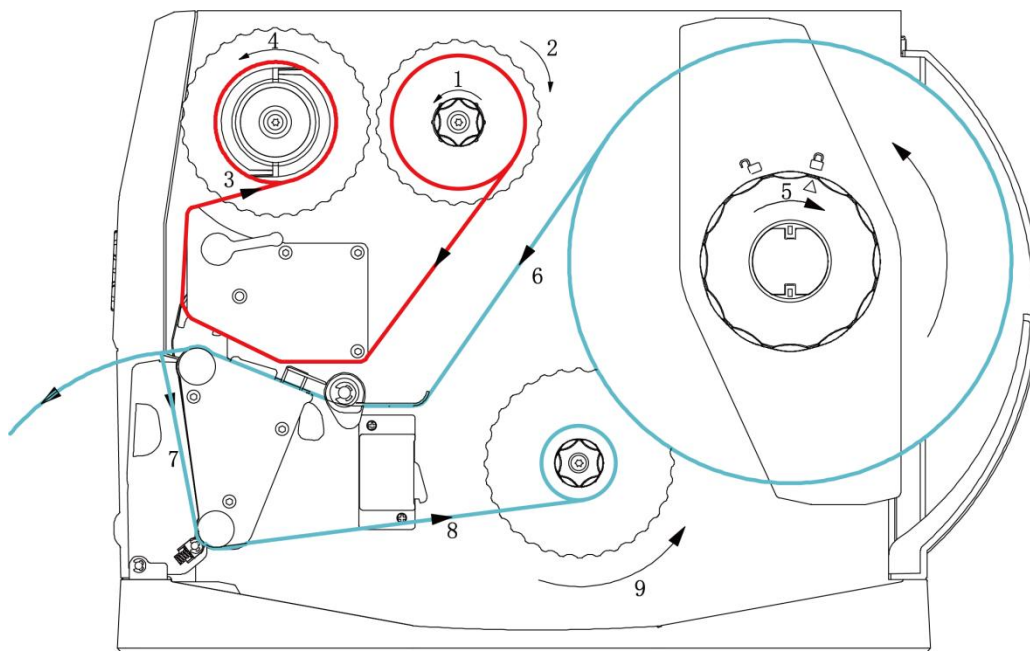
2. Bottom feeding



3. Installation of direct throwing peeler

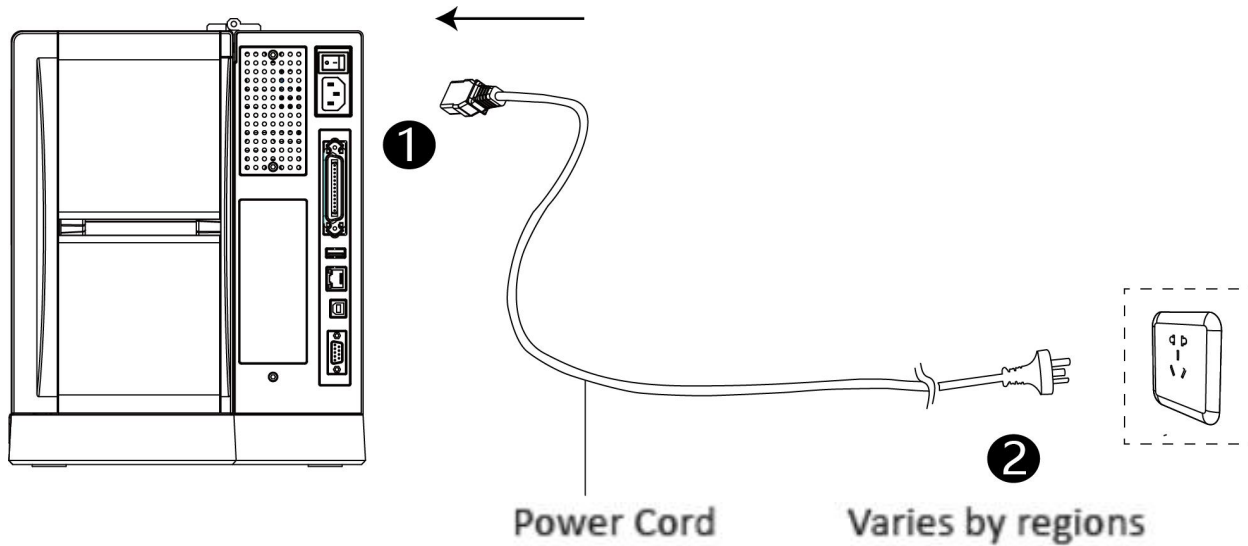


4. Installation of rollback peeler



3.2 Power Connection

1. Connect the power plug to power receptacle.
2. Connect the other end of power cord to the AC power port.



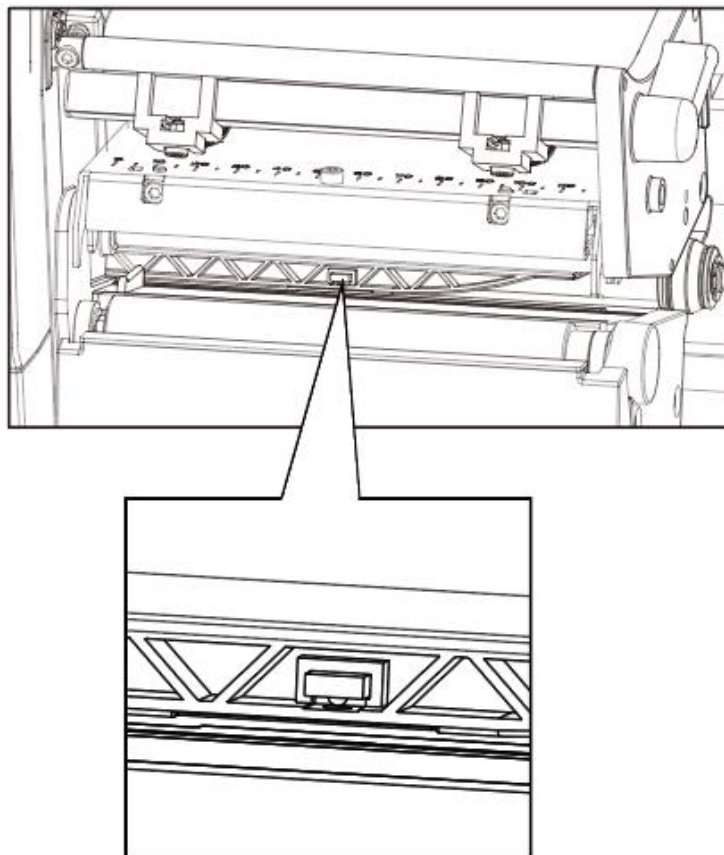
Caution:

- 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

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.

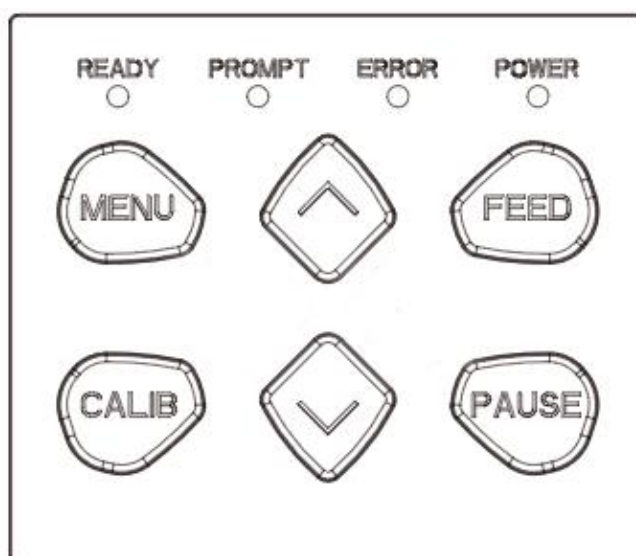
When printing, the sensor shall be aimed at the triangle below, which is the original position.



3.4 Operation Panel

3.4.1 Panel Introduction

The panel indicates the printer's operating status and allows the user to control basic printer operation.



1.Feed Button



Much more detailed information is provided in “3.6.1 FEED Button”.

2.Directiona Pad (only for printer iX4R)



It is included by up arrow button, down arrow button, return button and enter button.

-  Up Arrow Button: Common uses are to scroll through choices, navigating to the left or the previous choice.
-  Down Arrow Button: Common uses are to scroll through choices, navigating to the right or the next choice.

3.4.2 Button Function Definition

1. Menu button: in standby state, long press the menu operation function to enter the display
2. Calibration button: in standby state or the error light slow flash, long press the “Start label learning function”.
3. FEED button:
 - In the ready state, press the feed button (*<1 seconds*), then release the feed button. The printer will **make a blank paper positioning** according to label / black mark label. If it is continuous paper, press the feed button and the printer will continue to feed the paper. Release the paper feed button to stop printing immediately.
 - In the ready state, press the feed button (*approx. 1.5 seconds*) until the status light is green, then release the feed key. And the printer prints the **self-test page**.
 - In the ready state, press the feed button (*approx. 3 seconds*) until the status light is orange, then release the feed button. And the printer starts making a label learning of seam label.
 - In the ready state, press the feed button (*approx. 4.5 seconds*) until the status light is red, then release the feed button. And the printer starts making a label **learning of black mark label**.
 - In the ready state, press the feed button (*approx. 6 seconds*) until the green light slow flash, then release the feed button. And the printer starts getting into **dump mode of data**.
 - In dump mode state, press the feed button to print "Out of Dump Mode Now", then return to print mode.
 - Error light: red light slow flash, short press feed button, printer will position to next paper according to label / black mark label. If it is continuous paper, press the paper feed button and the printer will continue to feed the paper. Release the paper feed button to stop printing immediately.

4. Pause button:

- In Printing: short press to pause print, long press to clear current print task.
- Printing Pause: short press to keep printing, long press to clear current print task

5. Navigation button: only can be used with the display.



➤ **Note: short press: 0.3 seconds to 1 seconds.**

Long press: larger than 3 seconds

3.4.3 Buzzer

1. Silence: not set / normal
2. Beep 0.2 seconds: button response / touch response
3. Beep 1.5 seconds and stop 2 seconds: during printing, run out of paper / label off / paper jam

3.4.4 Indicator Definition

Ready light	Promote light	Error light	Power light	Description
×	×	×	×	no power / not power on
Glow green	×	×	Glow green	Printing/printer standby
Glow green	×	×	Glow green	in data reception
Glow green	×	×	Slowly flash green	Dump mode
×	×	Glow red	Glow green	Paper out/ Print head open/Label off
×	×	Glow red	Glow green	Out of ribbon
×	×	Slowly flash red	Glow green	Paper Jam/Cutter stuck
Glow green	Fast flash orange	×	Glow green	Print pause
Glow green	×	Slowly flash red	Glow green	Label format mismatch



Note:

Quick flash → 0.2 second / every cycle

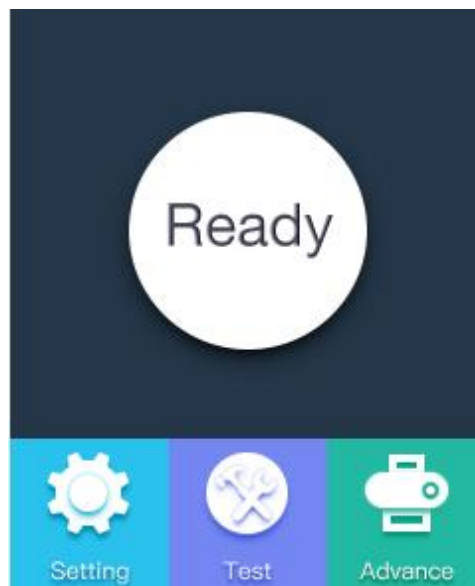
Slow flash → 1 second / every cycle

3.5 Display Operation Procedure

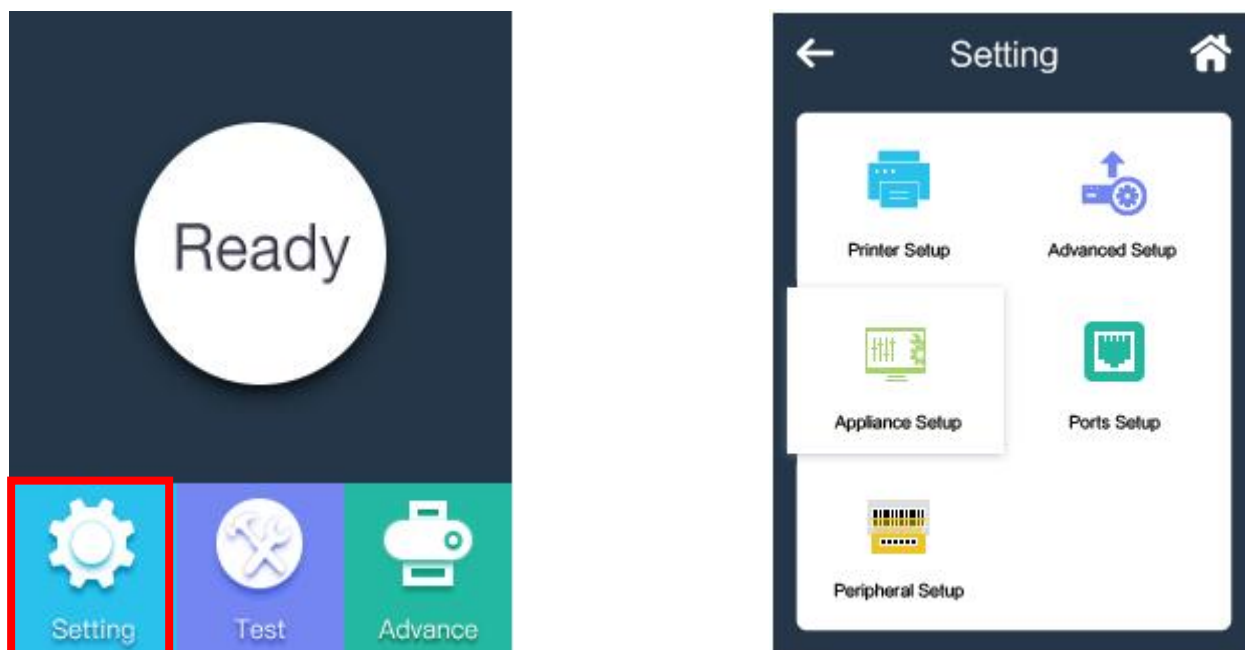
▲Note: The user can confirm the status of the printer via the display.

It is divided into ready display, home menu display, sub-menu displays and operating displays.

1. Make sure that the printer is connected and the roll is installed correctly.
2. Turn on the printer power. When the printer is turned on, it will display the standby interface. Under the standby interface, users can obtain information about the printer name, menu, and firmware version.

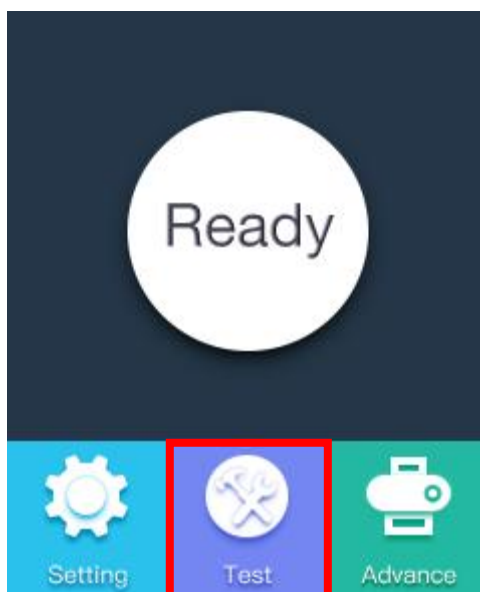


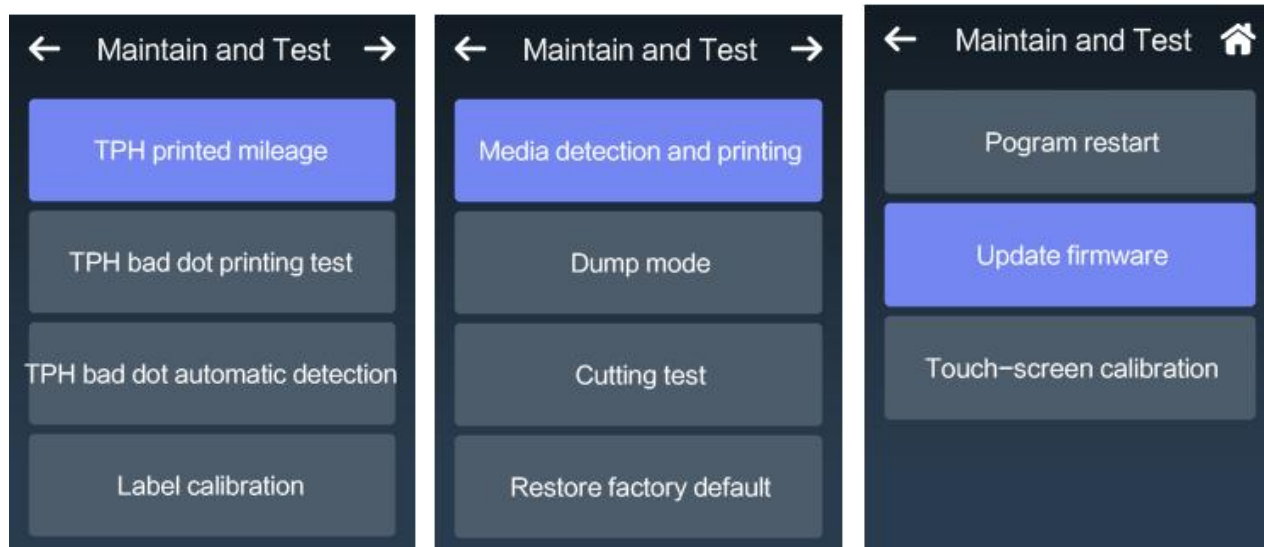
(1) Under the printer standby interface, click on the "System Settings" to enter the system settings.



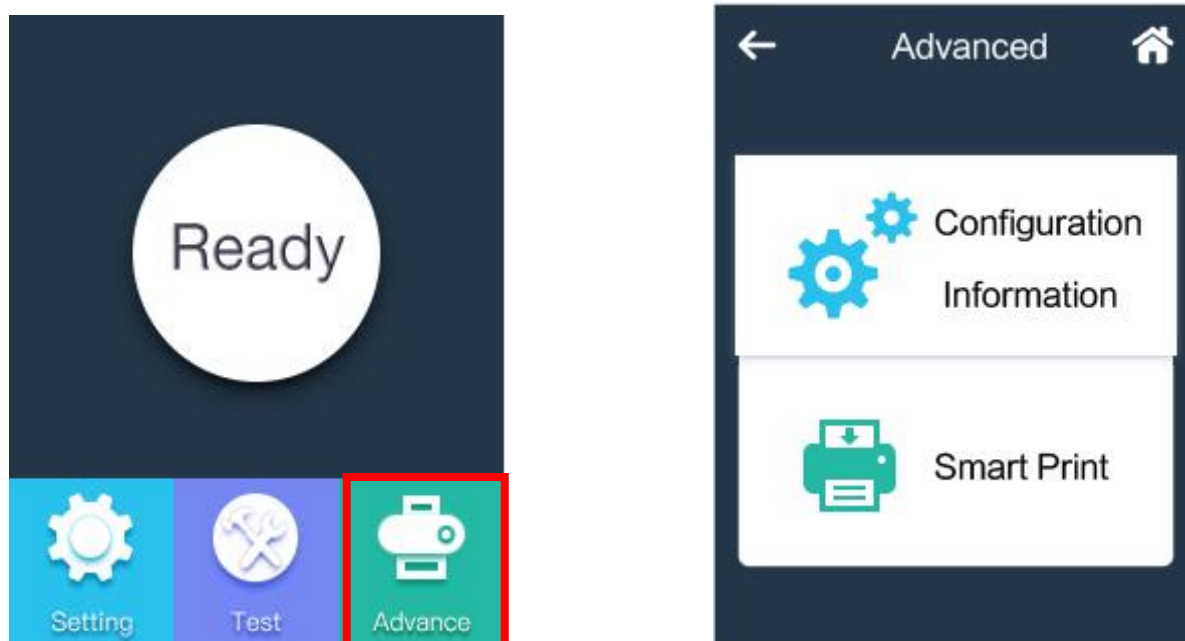
▲ Note: The individual items set up have the password lock function, once the password lock function is started, you must enter the correct password to enter the system settings. For the locked setup item, the printer automatically excludes the corresponding setup instructions from the print task.

(2) Under the printer standby interface, click on the "Test" to enter the test selection.





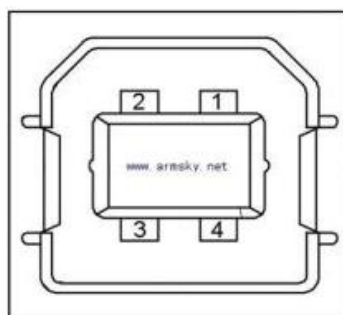
(3) Under the printer standby interface, click on the "Advance " to enter the settings.



▲ Note: For more information about the display menu, please refer to the appendix.

Chapter 4 Interface

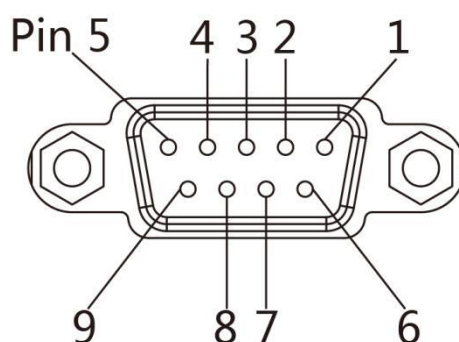
4.1 USB Interface



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

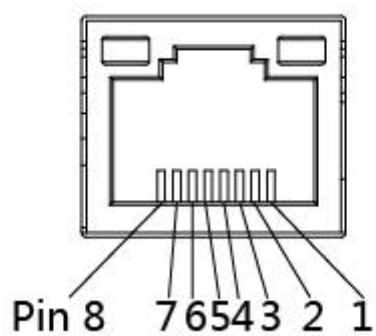
4.2 Other Optional Interfaces

■ Serial Port



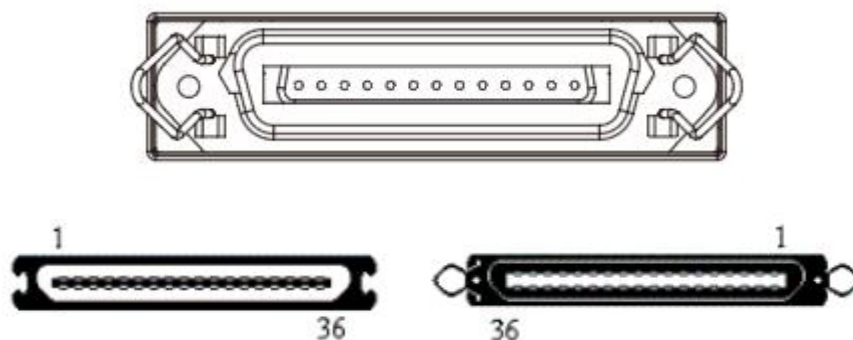
PIN	SIGNAL NAME	SIGNAL
1	-	NO CONTACT
2	TXD	OUTPUT
3	RXD	INPUT
4	-	NO CONTACT
5	GND	GROUNDING
6	RTS	OUTPUT
7	CTS	INPUT
8	RTS	OUTPUT
9	-	NO CONTACT

■ Ethernet Port



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

● Parallel Port



PIN	SIGNAL NAME
1	/IEEE1284_STROBE#
2	IEEE1284_D0
3	IEEE1284_D1
4	IEEE1284_D2
5	IEEE1284_D3
6	IEEE1284_D4
7	IEEE1284_D5
8	IEEE1284_D6
9	IEEE1284_D7
10	/IEEE1284_ACK#
11	IEEE1284_BUSY#
12	IEEE1284_PaperEnd#
13	IEEE1284_Select#
14	/IEEE1284_nAutoFeed#
15	
16	GND
17	GND
18	3V3

PIN	SIGNAL NAME
GND	19
GND	20
GND	21
GND	22
GND	23
GND	24
GND	25
GND	26
GND	27
GND	28
GND	29
GND	30
/IEEE1284_INIT#	31
/IEEE1284_ERROR#	32
GND	33
	34
	35
/IEEE1284_SELECT IN#	36

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.

**Note:**

- 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. 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 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.

5.2 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 Printer Utility Tool Instructions

6.1 Installation Preparation

Download application program iDPRTUtility.exe in CD.

6.2 Usage



Note: The screen may vary slightly by different operating systems and models. Take printer iX4R as example.

1. Install “iDPRTUtility.exe”, then open it.

Printer Utility V1.0.0.57

Settings Fonts Storage Function Test Command Test Firmware System

Interface
Printer: iX4R
USB [ito Configure USB Pc]

Printer Information
Version:
Serial Number:
Cutting Counter:
Mileage: m
Get Printer Information

Printer Status
Get Status

Common 1/2 Common 2/2 ZPL DPL RS-232 Bluetooth Ethernet Ethernet_IPv6 Wi-Fi RFID Other settings

Ribbon Mode:
After Printed:
After Power On:
After TPH Close:
Protocol: ZPL
Paper Type:
Sensor Select:
Buzzer Volume:
Maximum Length: mm
Tear Off: -120 ~ +120 dots
Print Speed: ips
Density: 0 to 30

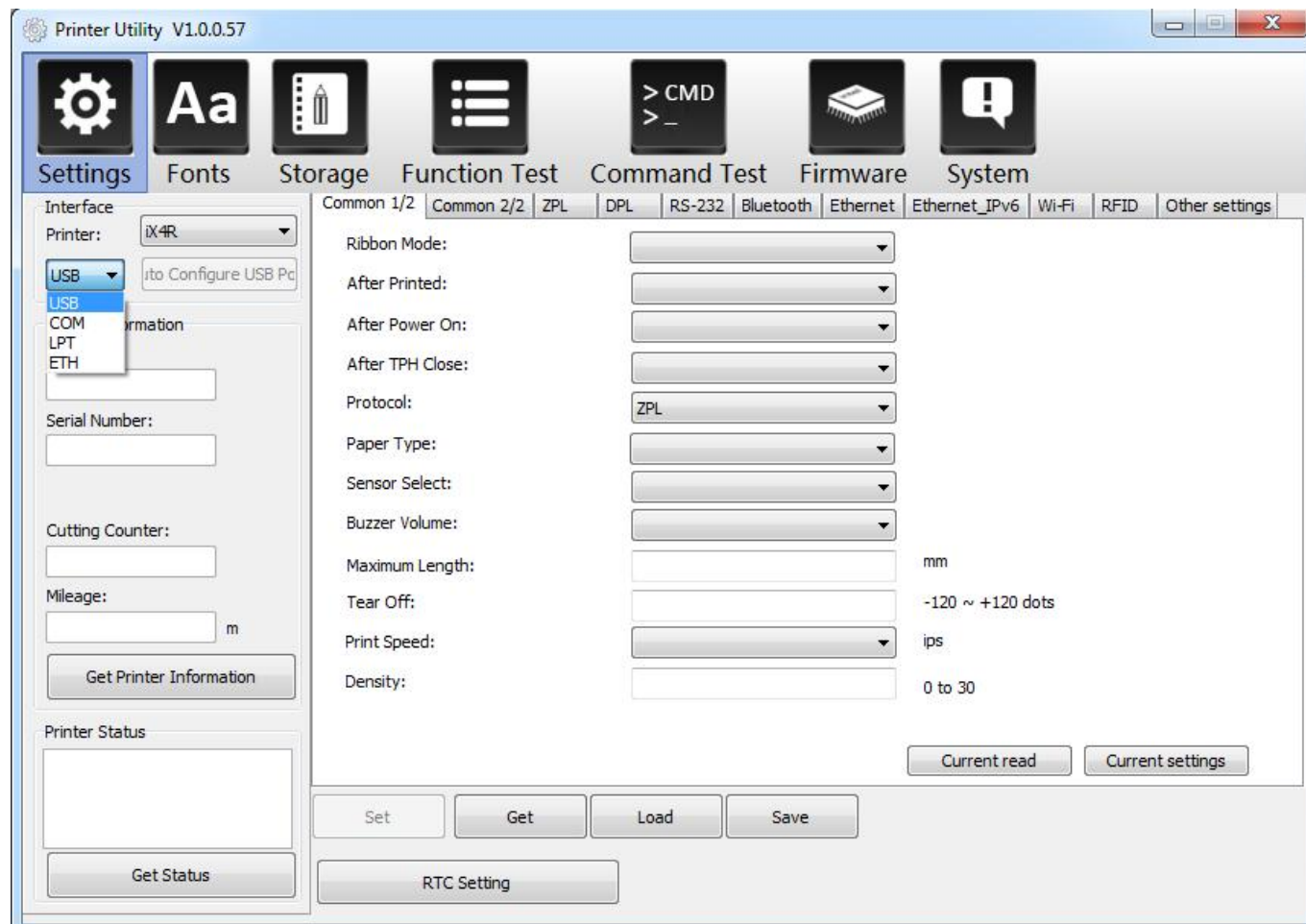
Current read Current settings

Set Get Load Save

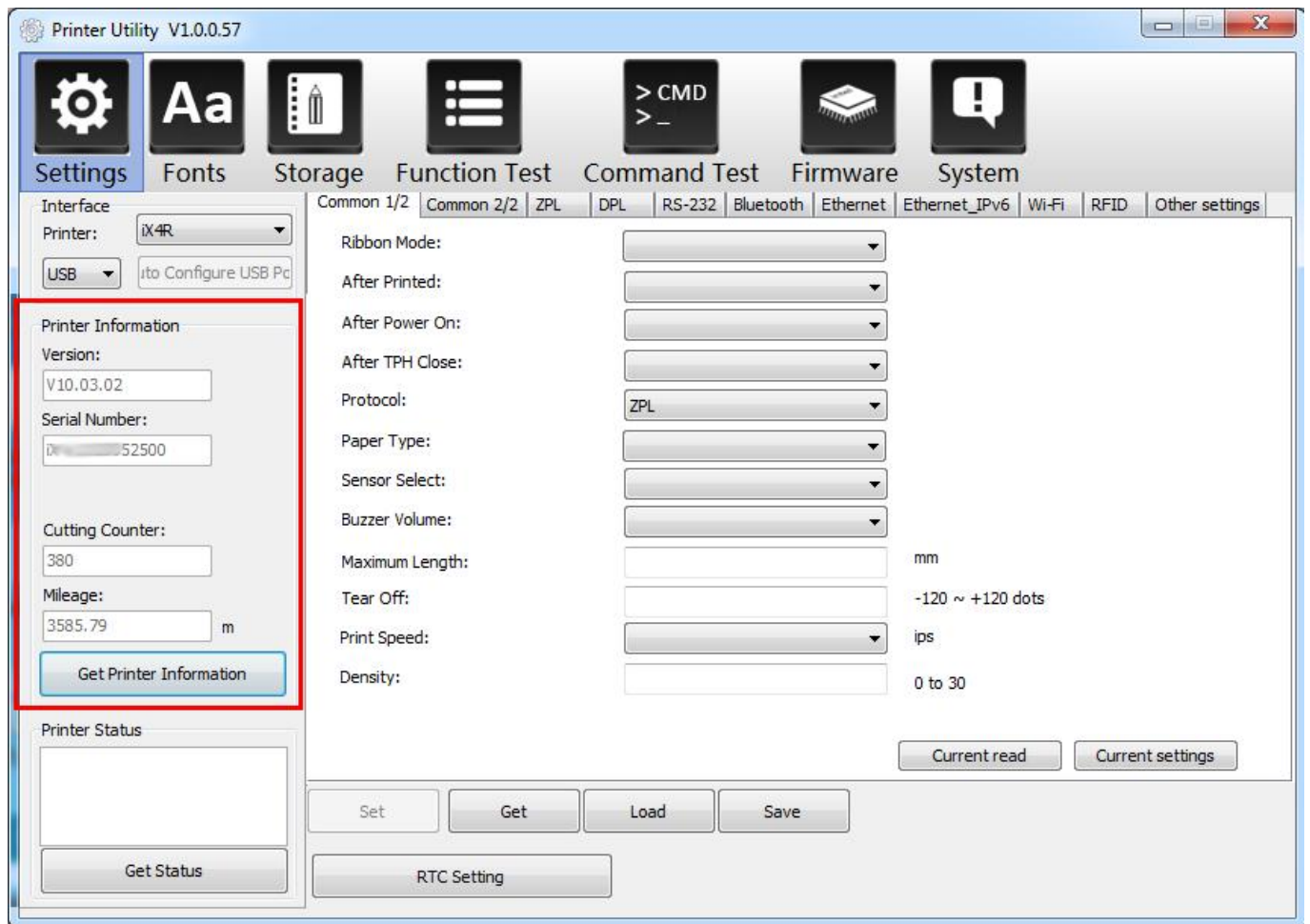
RTC Setting

2. Click “Settings”.

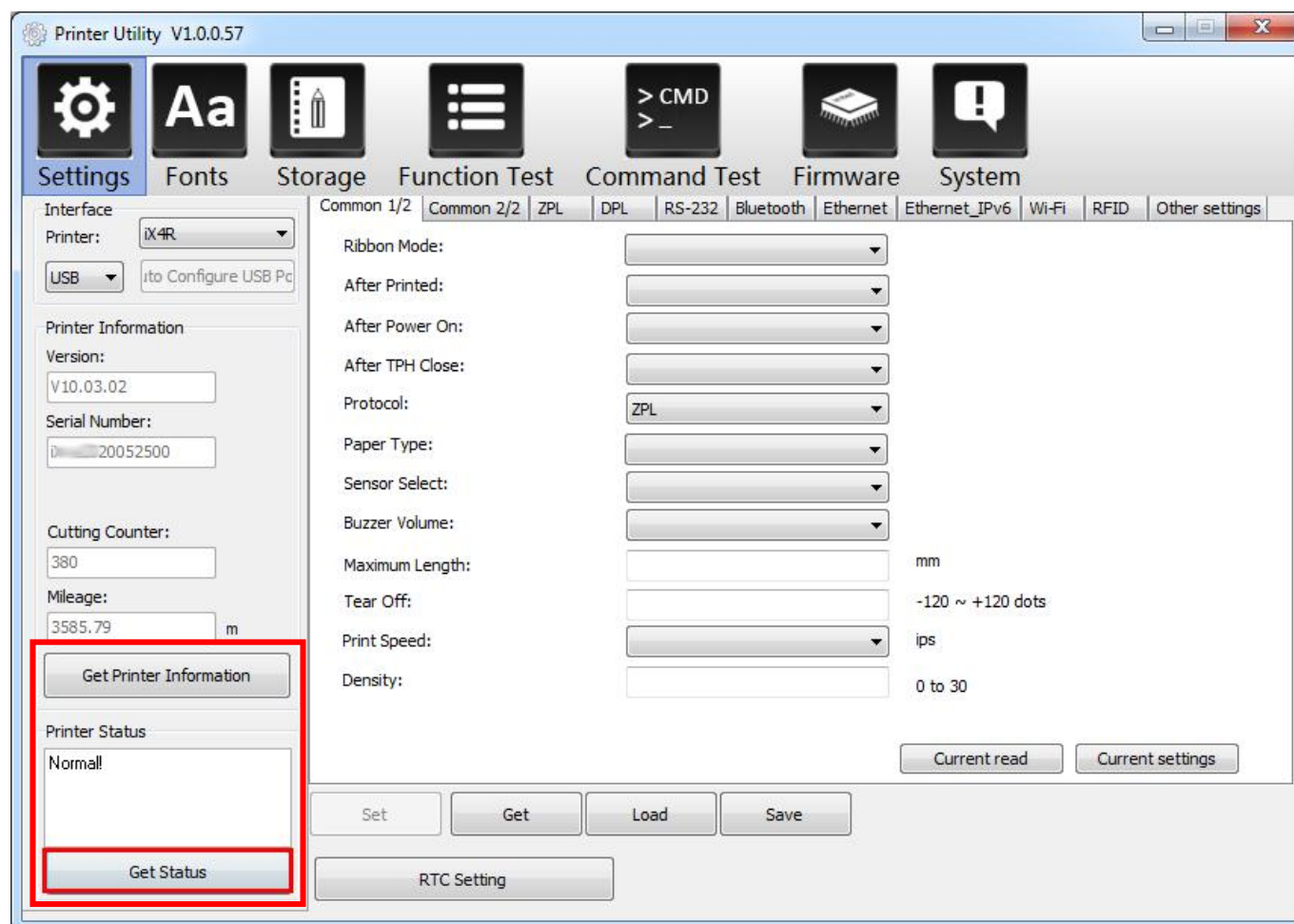
(1) Set up the interface needed. (range: USB, COM, LPT, ETH)



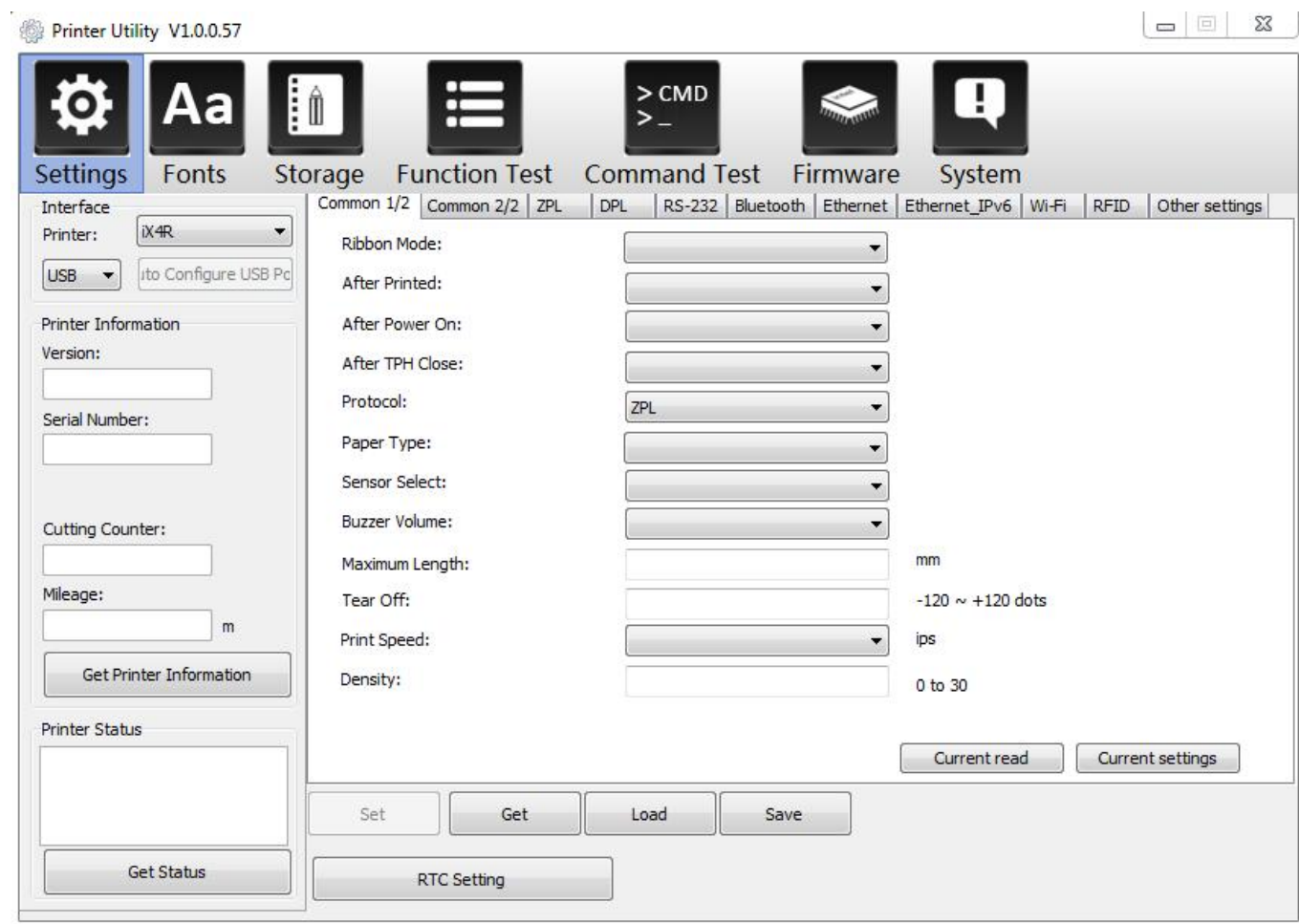
(2) Click “Get Printer Information”, and printer information will show in the above.



(3) Click “Get Status”, and printer status will show in the above.



(4) Click “Common”. In this menu, user can set up the protocol, media sensor, speed, density and so on.



Printer Utility V1.0.0.57

Settings Fonts Storage Function Test Command Test Firmware System

Interface
Printer: ix4R
USB [ito Configure USB Pc]

Printer Information
Version:
Serial Number:
Cutting Counter:
Mileage: m
Get Printer Information

Printer Status
Get Status

Common 1/2 Common 2/2 ZPL DPL RS-232 Bluetooth Ethernet Ethernet_IPv6 Wi-Fi RFID Other settings

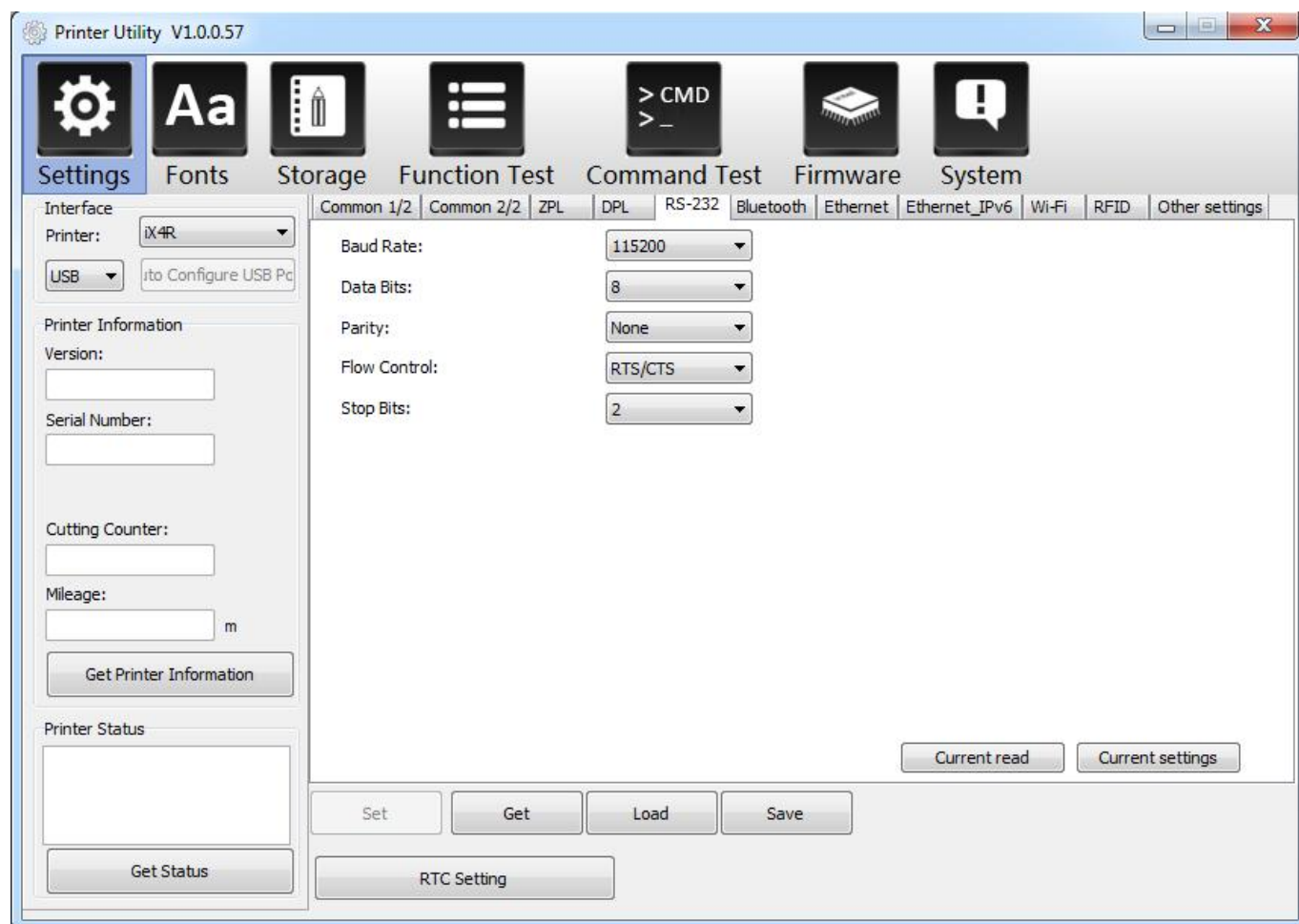
Ribbon Mode:
After Printed:
After Power On:
After TPH Close:
Protocol: ZPL
Paper Type:
Sensor Select:
Buzzer Volume:
Maximum Length: mm
Tear Off: -120 ~ +120 dots
Print Speed: ips
Density: 0 to 30

Current read Current settings

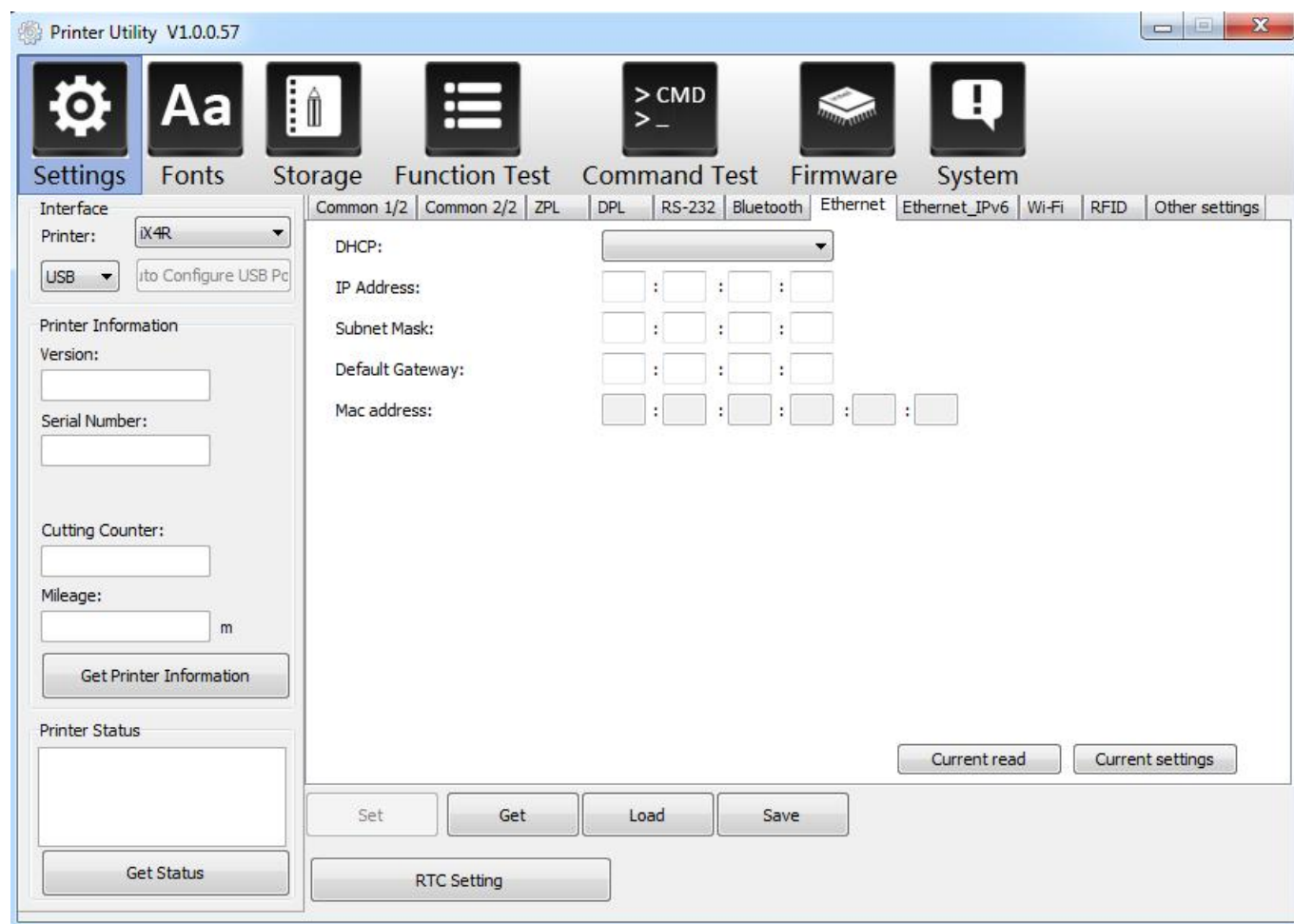
Set Get Load Save

RTC Setting

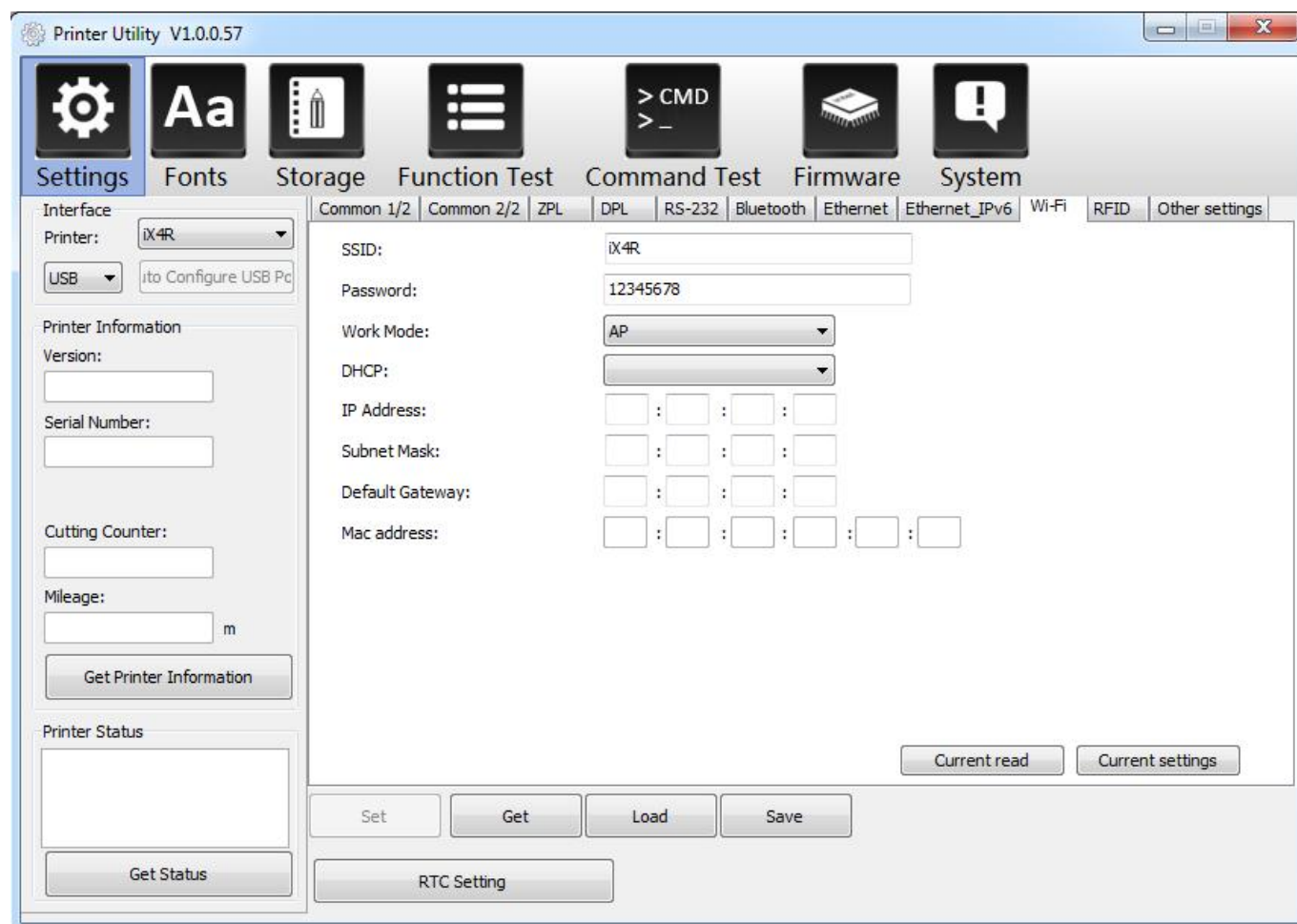
(5) Click “RS-232”, then set up the parameter, or click “Get” to gain the values of Mac address.



(6) Click “Ethernet”, then click “Get” to gain the relevant values.



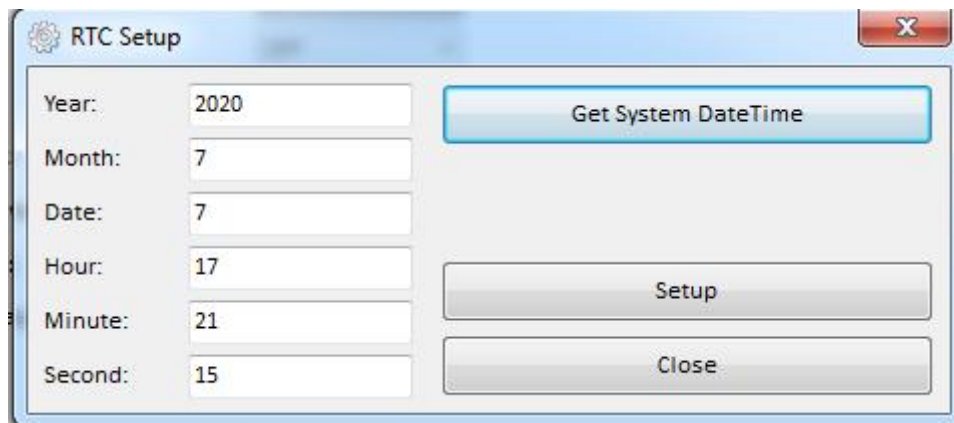
(7) Click “WIFI”, then set up the name, password and so on.



The screenshot shows the 'Printer Utility V1.0.0.57' software interface. The 'Settings' tab is selected, and the 'Wi-Fi' sub-tab is active. The interface is divided into several sections:

- Interface:** Includes a dropdown for 'Printer:' set to 'ix4R' and a 'USB' button with a sub-label 'ito Configure USB Po'.
- Printer Information:** Contains fields for 'Version:', 'Serial Number:', 'Cutting Counter:', and 'Mileage:' (with a unit 'm'). A 'Get Printer Information' button is located below these fields.
- Printer Status:** Includes a 'Get Status' button.
- Wi-Fi Settings:**
 - SSID:** Text field containing 'ix4R'.
 - Password:** Text field containing '12345678'.
 - Work Mode:** Dropdown menu set to 'AP'.
 - DHCP:** Dropdown menu.
 - IP Address:** Four text boxes for IP address configuration.
 - Subnet Mask:** Four text boxes for subnet mask configuration.
 - Default Gateway:** Four text boxes for default gateway configuration.
 - Mac address:** Six text boxes for MAC address configuration.
- Buttons:** At the bottom, there are 'Set', 'Get', 'Load', 'Save', 'Current read', 'Current settings', and 'RTC Setting' buttons.

(8) Click “RTC Setting”. Click “Get System DateTime” to get the values, and click “Setup” to save them. Then click “Close”, and back to the main menu.



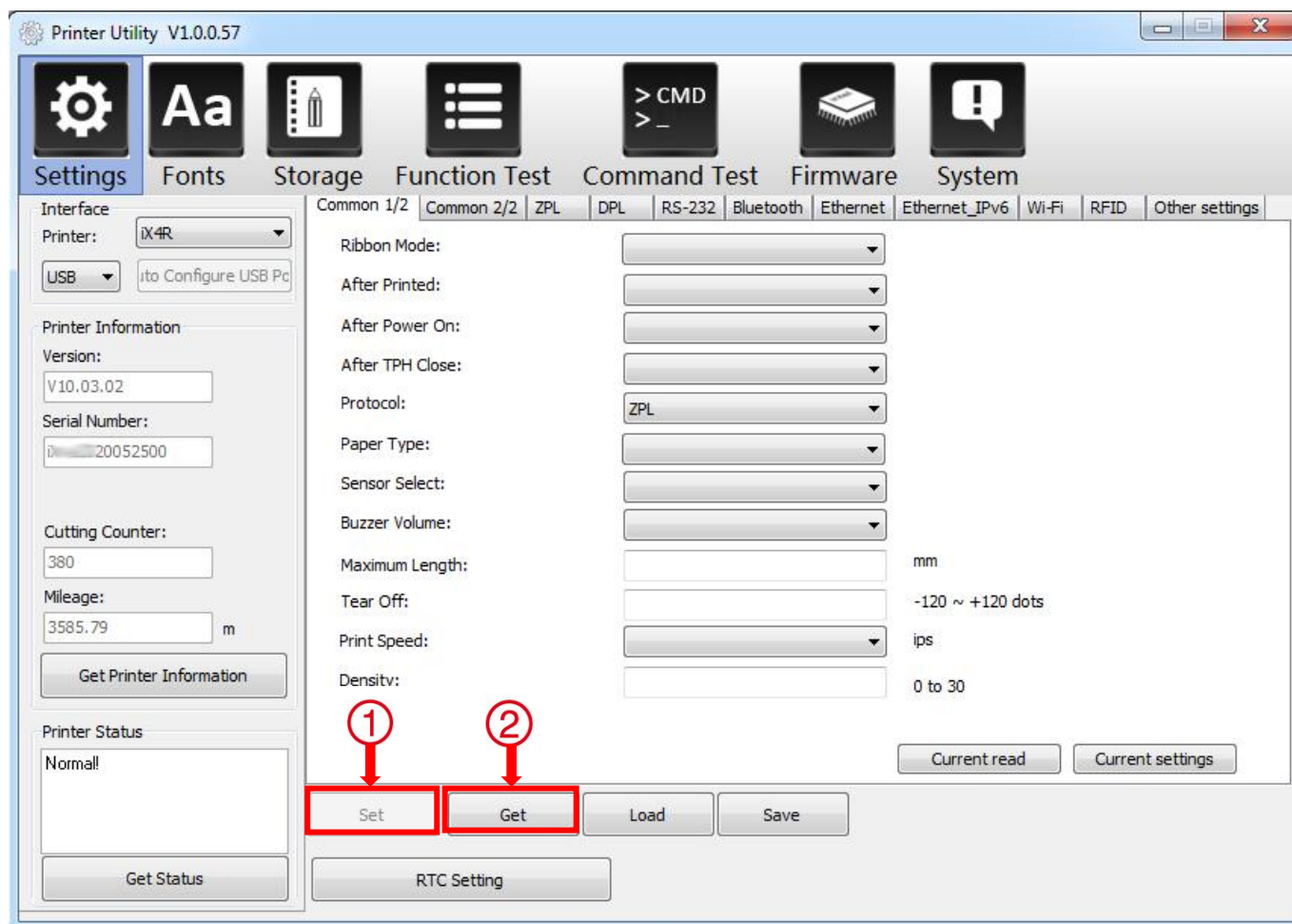
Field	Value
Year:	2020
Month:	7
Date:	7
Hour:	17
Minute:	21
Second:	15

Buttons: Get System DateTime, Setup, Close



Note:

- ① Finishing all the settings, user can click “Set” to save the values changed.
- ② Click “Get”, and user will get the default values.



3. Click "Storage" to print image.

Download File

File Type: Graphics
Magnification: 1.0

File Name:

...

Download

Free space: 119,401,472B; Uses space 286,790,656B.

Graphics	Label Form	Auto Label Form
List All Graphics	List All Forms	List Auto Form
Print Selected Graphic	Print Selected Form	Print Auto Form
Delete Selected Graphic	Delete Selected Form	Delete Auto Form
Delete All Graphics	Delete All Forms	Enable Auto Form

(1) Click "File name" to select the image.

Download File

File Type: Graphics
Magnification: 1.0

File Name:

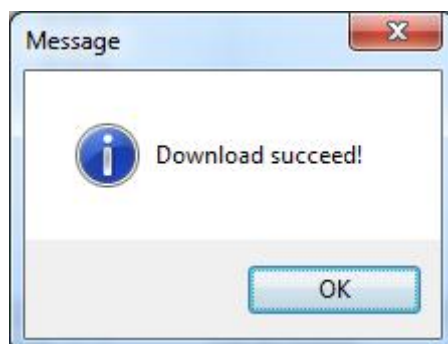
...

Download

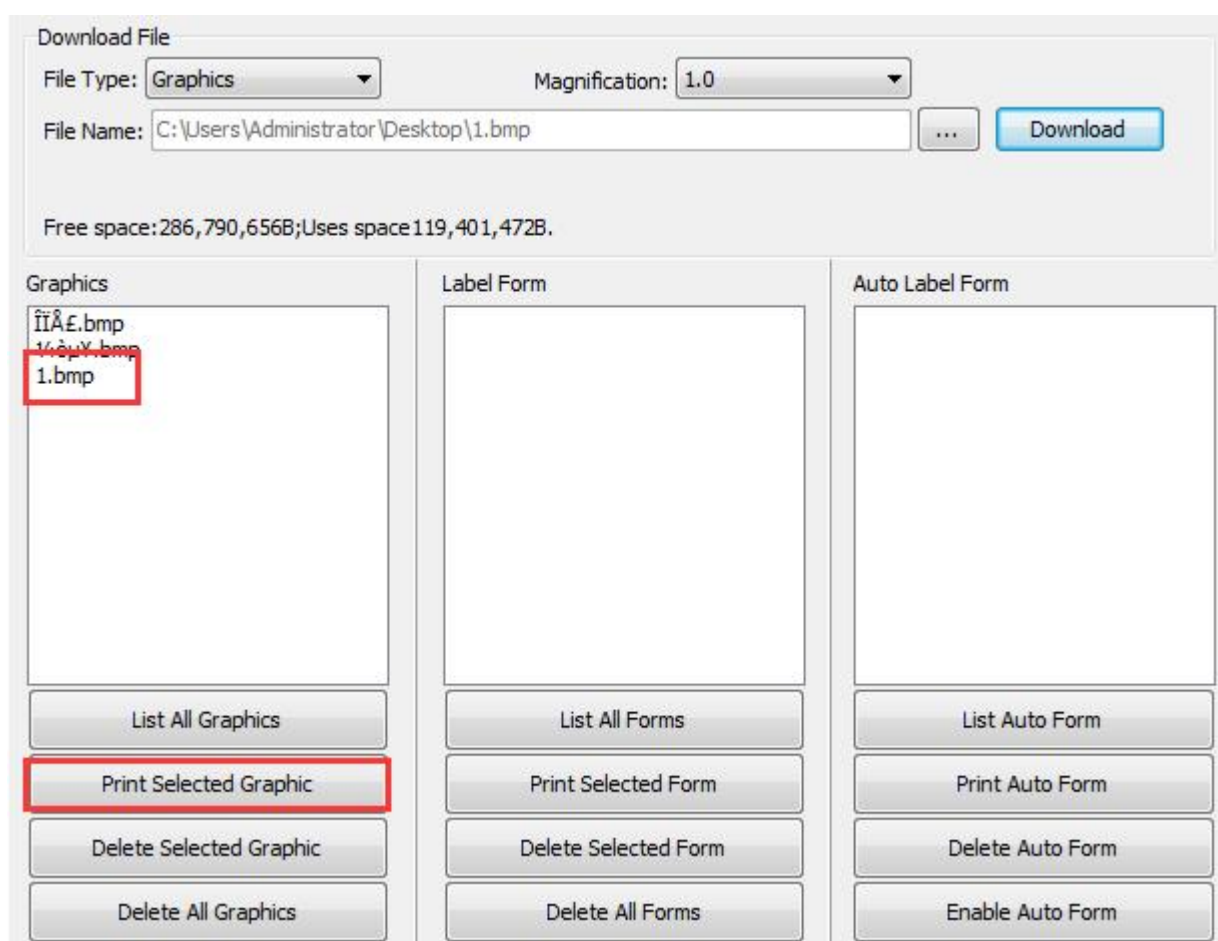
Free space: 119,401,472B; Uses space 286,790,656B.

Note: The file name must be in English or number, and the filename length must be less than 32.

(2) Click “Download”.



(3) Select the downloaded graphic, and then click “print selected graphic” to print the picture.



(4) You can set a magnification of the graphic as needed.

Download File

File Type: Graphics

Magnification: 1.0

File Name: C:\Users\Administrator\Desktop\1.bmp

...

Download

Free space:286,790,656B;Uses space 119,401,472B.

Graphics

&A&.bmp
%ôµ¥.bmp
1.bmp

List All Graphics

Print Selected Graphic

Delete Selected Graphic

Delete All Graphics

Label Form

List All Forms

Print Selected Form

Delete Selected Form

Delete All Forms

Auto Label Form

List Auto Form

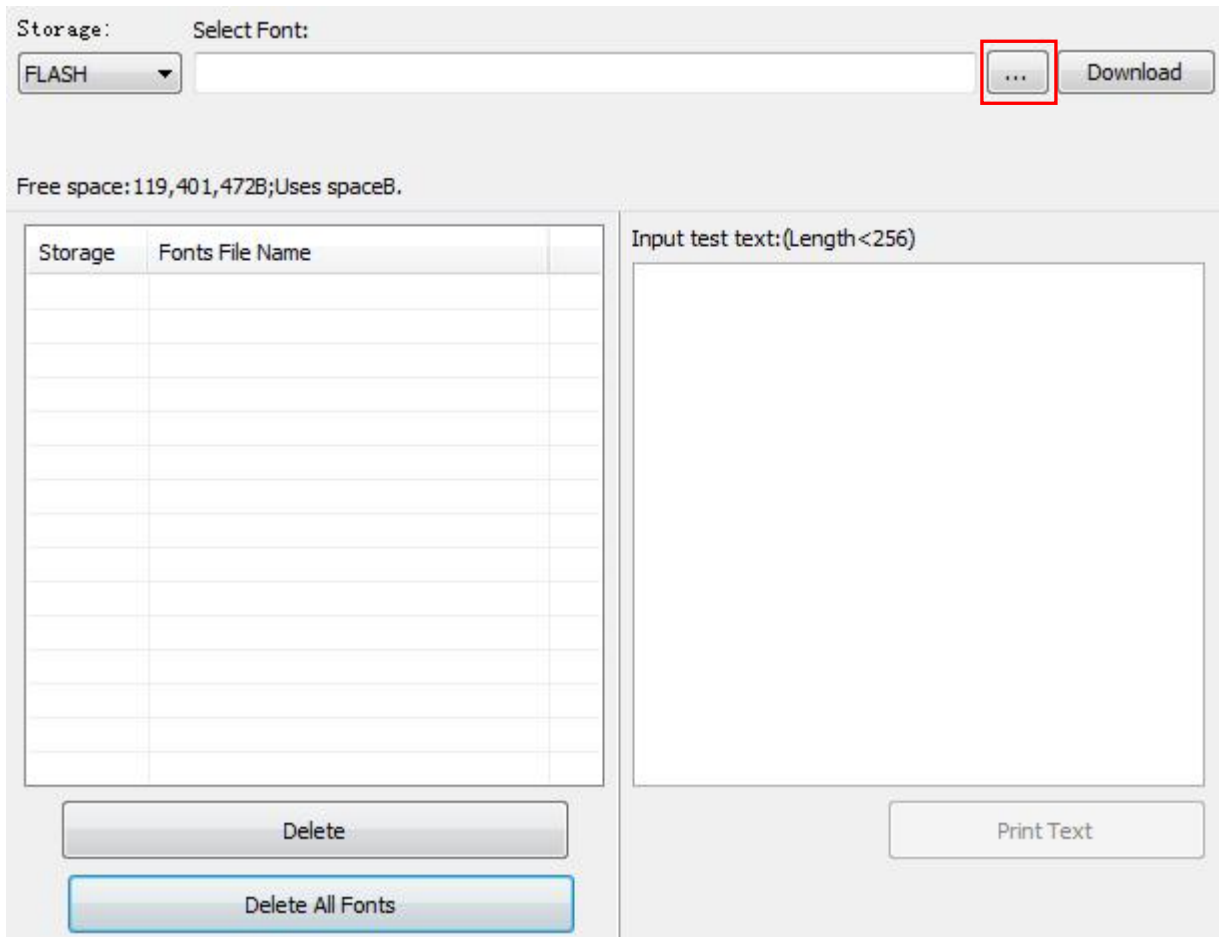
Print Auto Form

Delete Auto Form

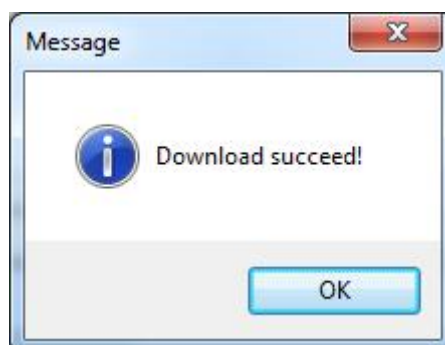
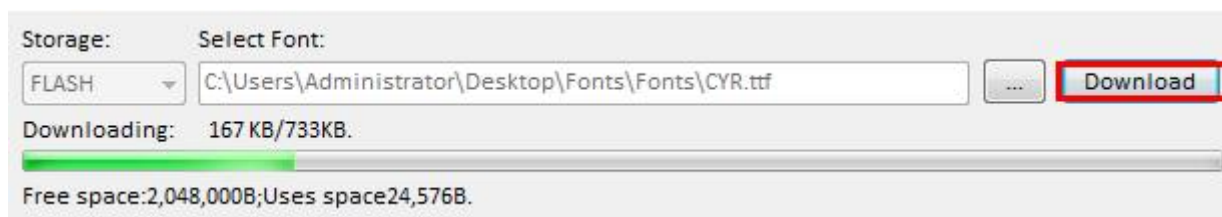
Enable Auto Form

4. Click "Fonts".

(1) Click "Select Font" to select the vector font you want.



(2) Click "Download" (Note: The font file name must be in English or number).



(3) Select the downloaded font file, enter the print content in the text box, and click “Print Text”.

Storage: FLASH
Select Font: C:\Users\Administrator\Desktop\Fonts\Fonts\cour.ttf
Download

Downloading: 788 KB/788KB.

Free space:1,069,056B;Uses space1,003,520B.

Storage	Fonts File Name
FLASH	COUR.TTF
FLASH	CYR.TTF

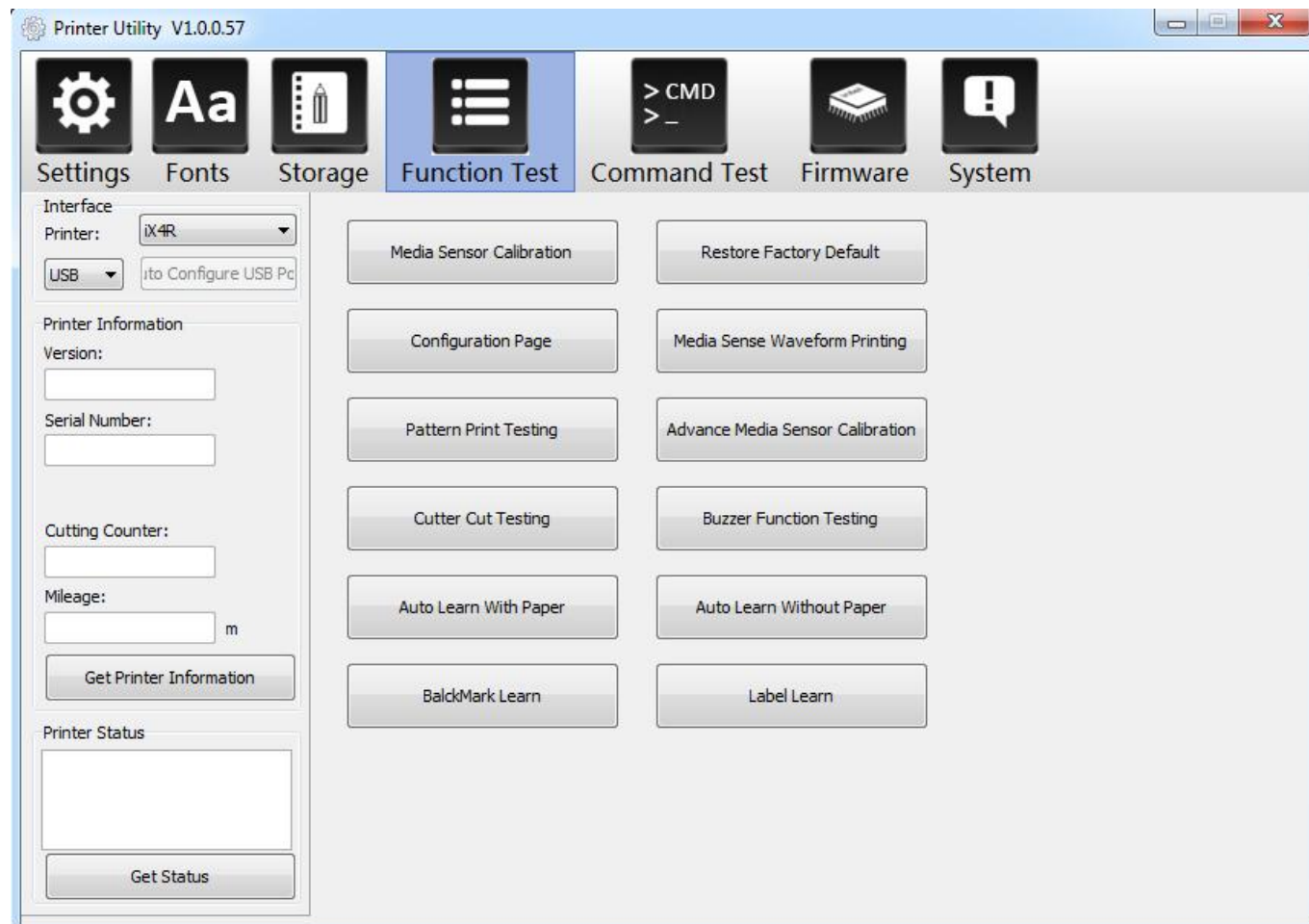
Delete
Delete All Fonts

Input test text:(Length<256)
abc123

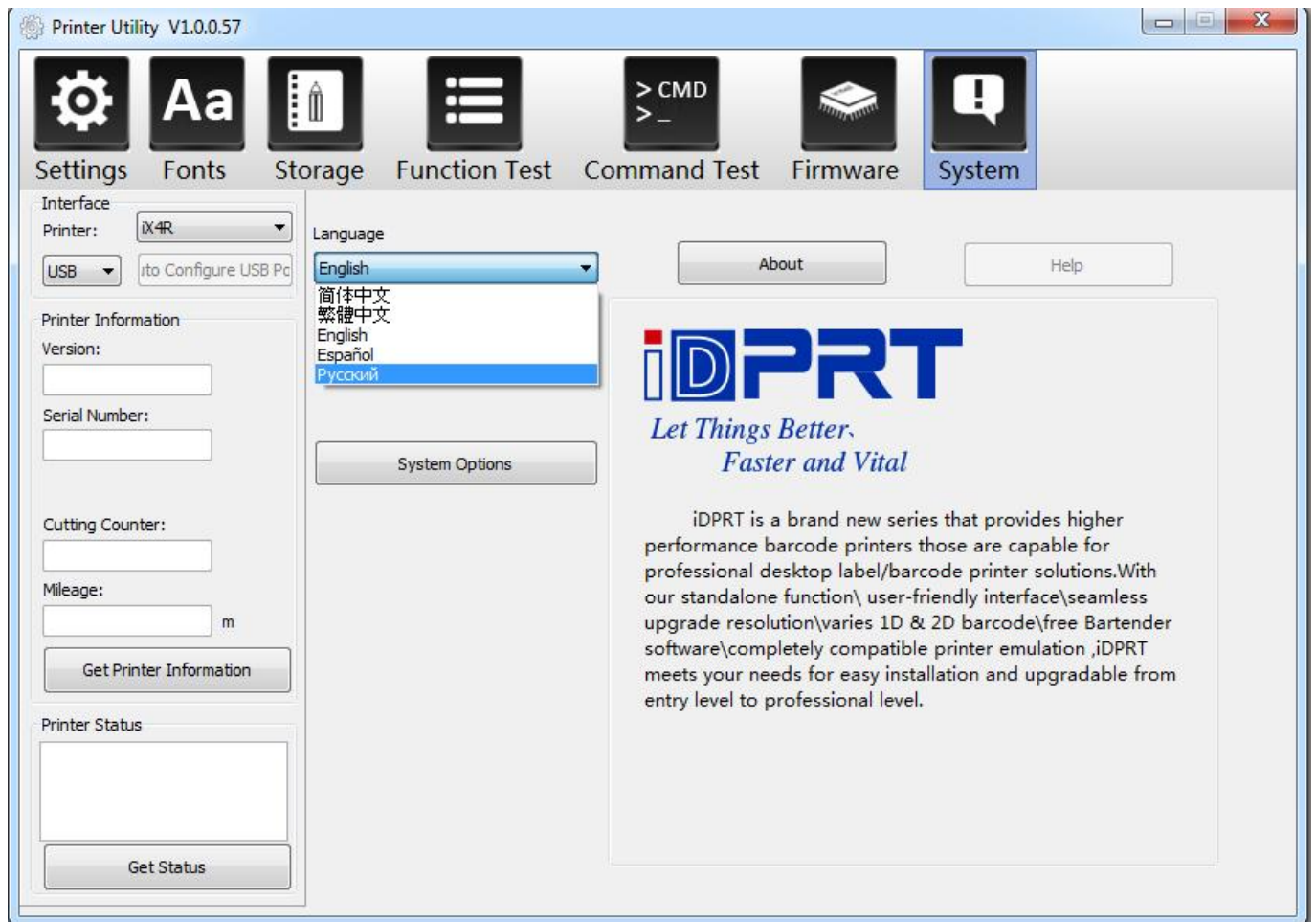
Printable Width: 30 (10-108)mm
Printable Height: 30 (10-210)mm

Print Text

5. Click “Function Test”. User can carry the followings such as sensor calibration, pattern print testing and so on.



6. Click “System”. Click “language” and choose the language of printer utility.



Chapter 7 Seagull Windows Driver Instructions

7.1 Introduction

The following operating systems are supported:

- Windows 7, Windows 8 64-bit, and Windows 10 64-bit
- Windows 11iot

7.2 Installation Preparation

Download Seagull Windows Driver application program in CD.

7.3 Installation



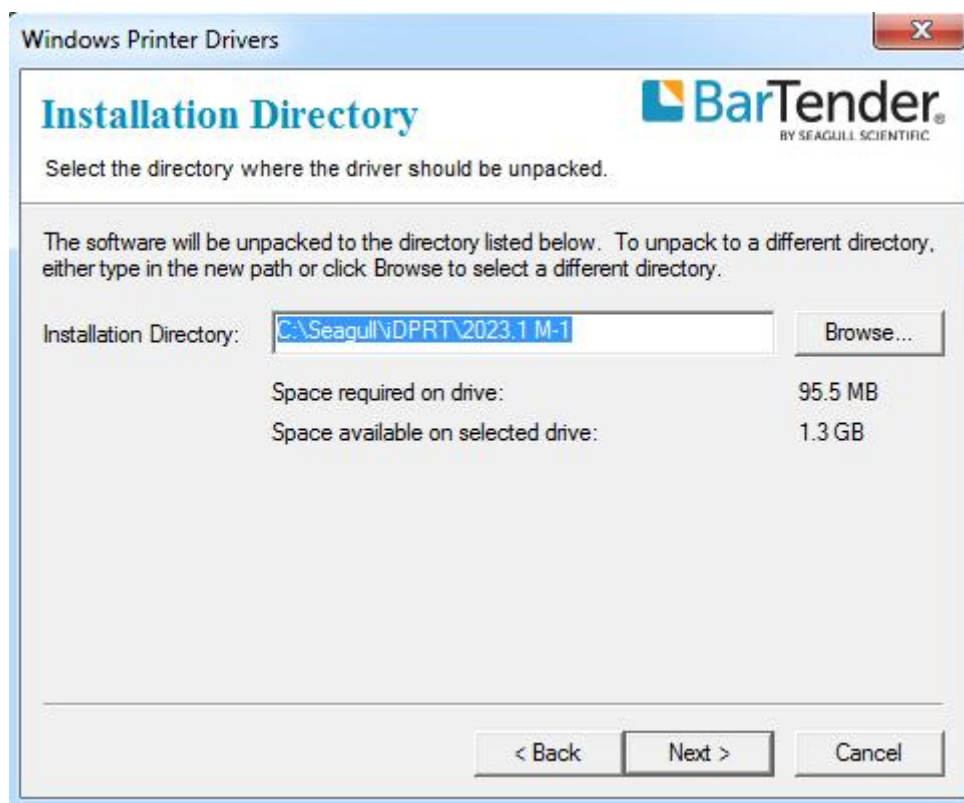
Note:

- Under different operating systems, the screen may be slightly different. Take Windows 7 as example.
- Take printer iX4R as example.
- To avoid the prevention, recommend to close the security software before installation.

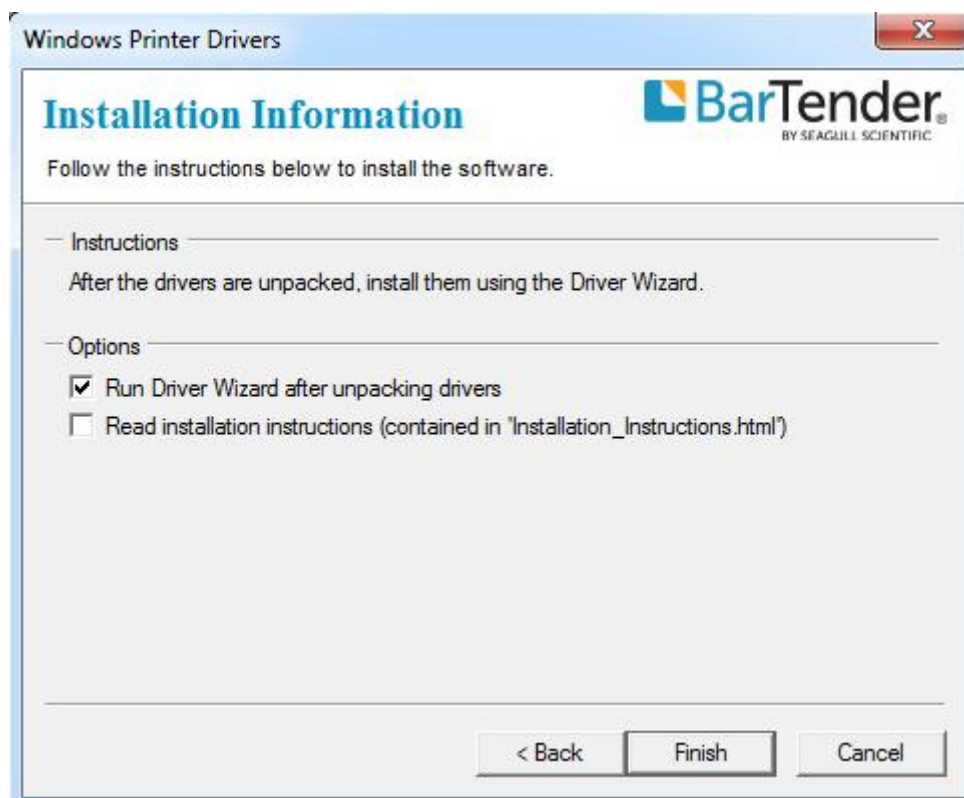
1. Select one interface to connect your printer to computer.
2. Turn on the printer and check if it is connected to computer successfully.
3. Double click Seagull Windows Driver.
4. Read and agree the license agreement. Then click "Next".



5. Choose the installation directory, then click “Next”.



6. Click "Finish".

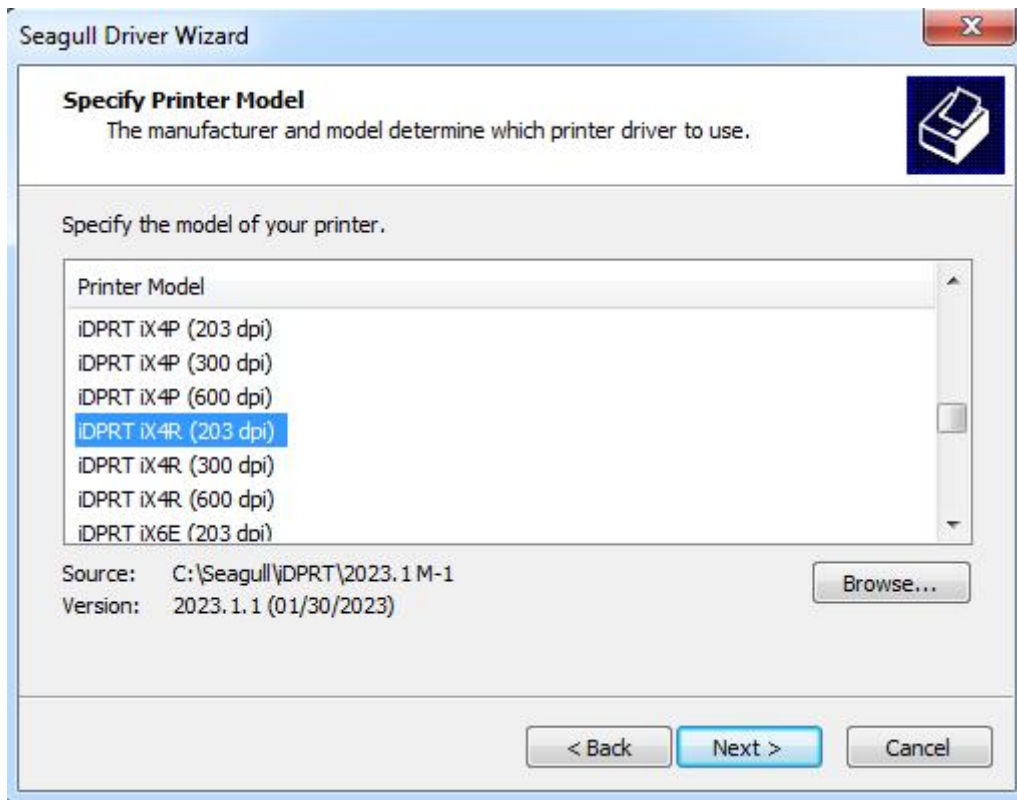


7. Choose "Install printer drivers", then click "Next".

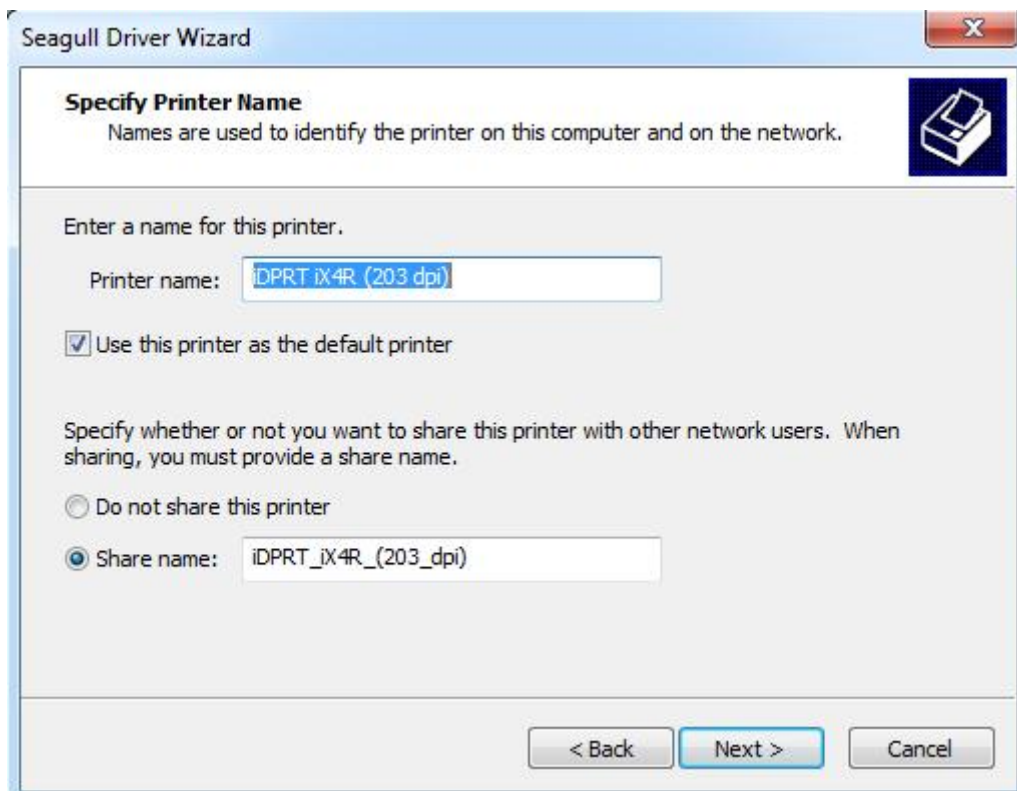


Note: If you have connected the printer to computer, it will detect and install the driver automatically. (e.g. USB port)

8. Choose model, then click "Next".



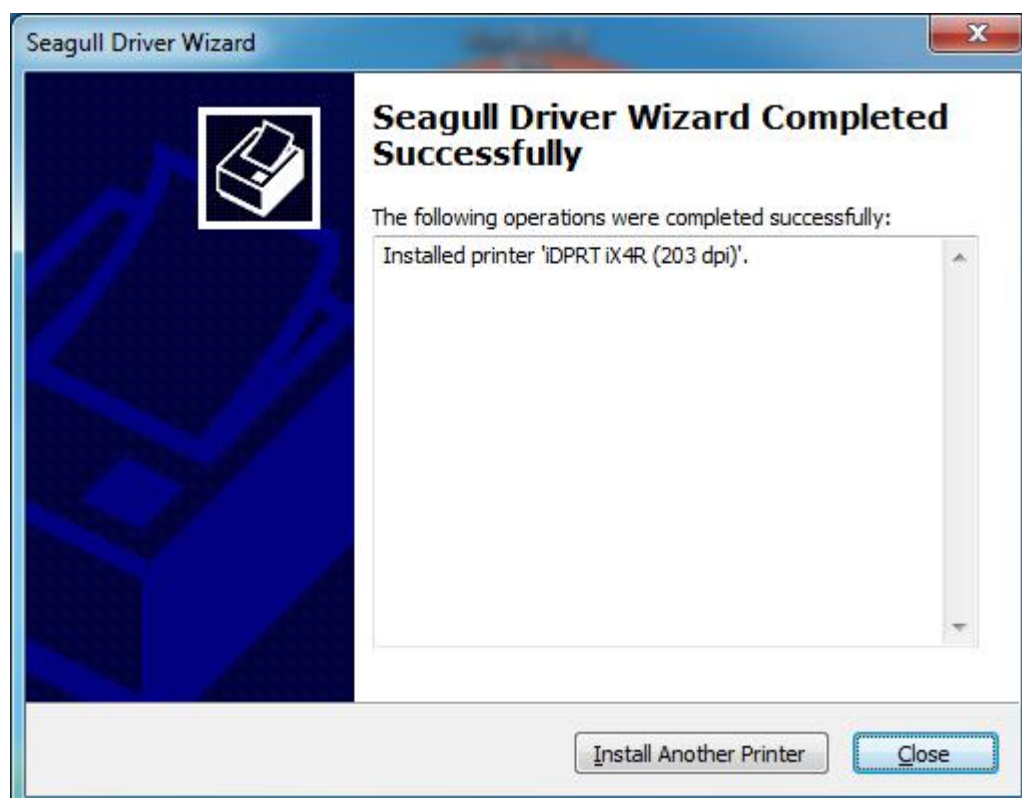
9. Enter a name for this printer, then click "Next".



10. Click "Finish".



11. Click "Close", and the driver is installed successfully.



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



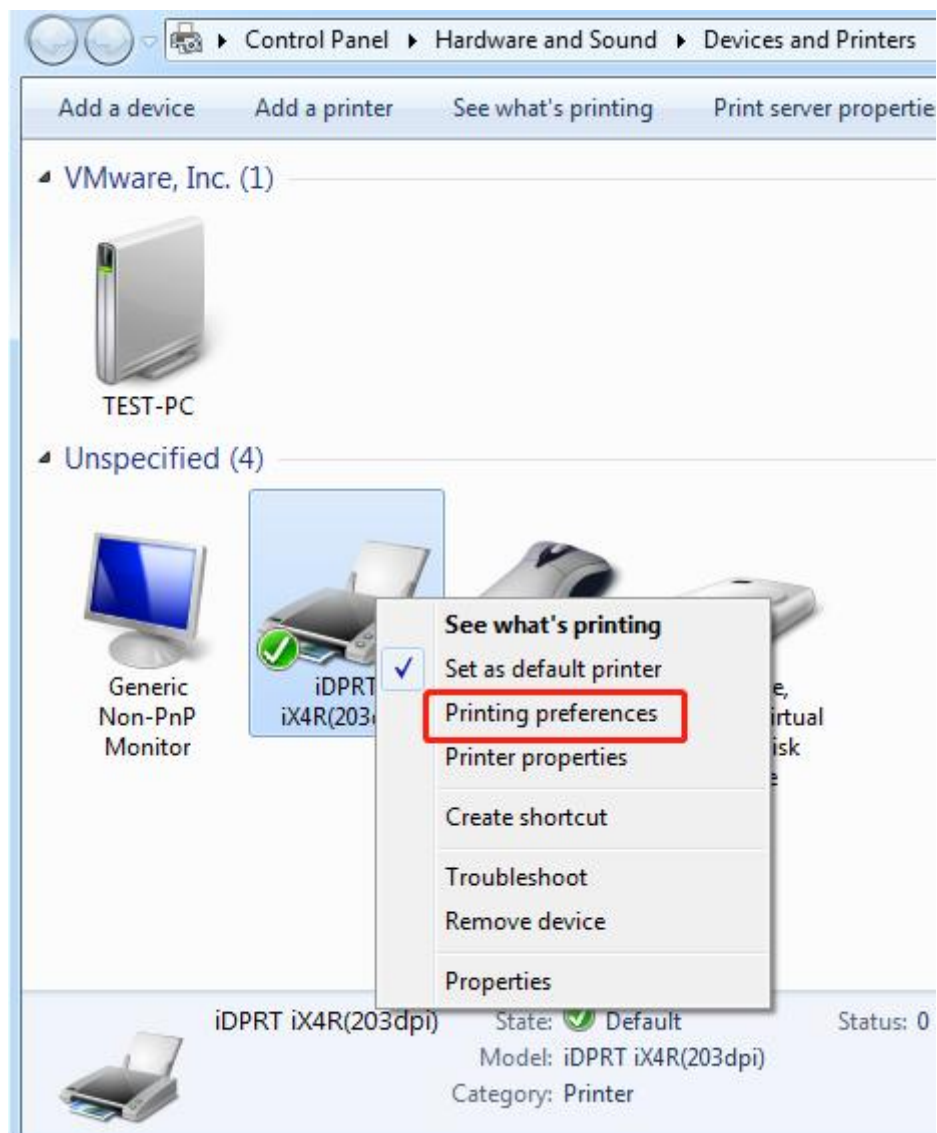
Note:

- 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.
- Any problems exist, please use our utility tool in CD.

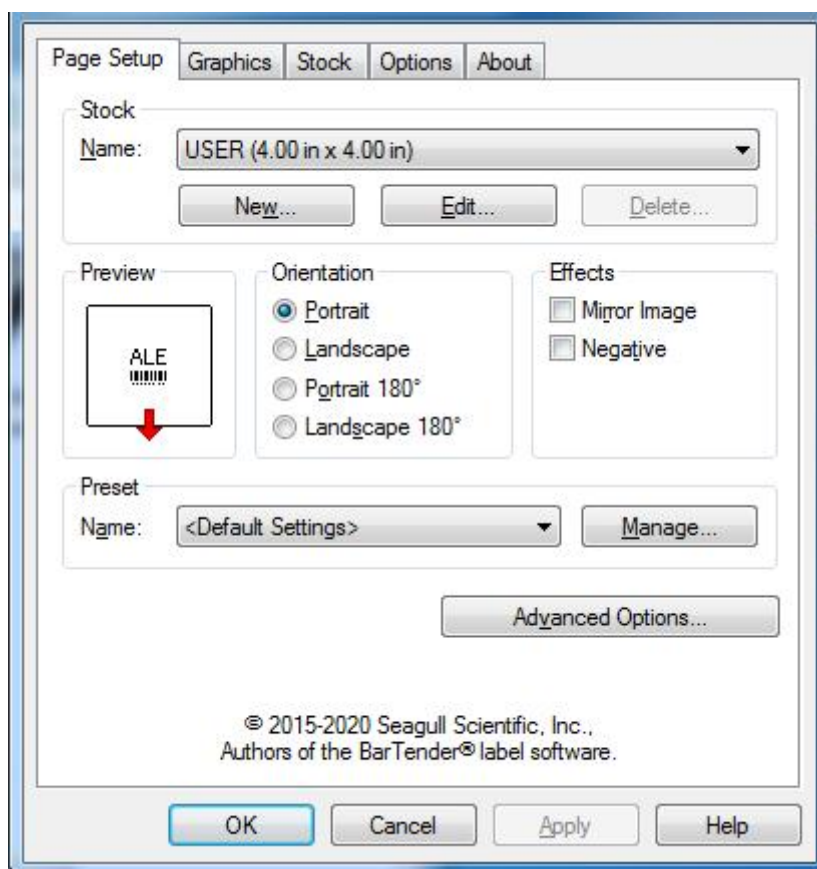
7.4 Usage

7.4.1 Printing Preferences

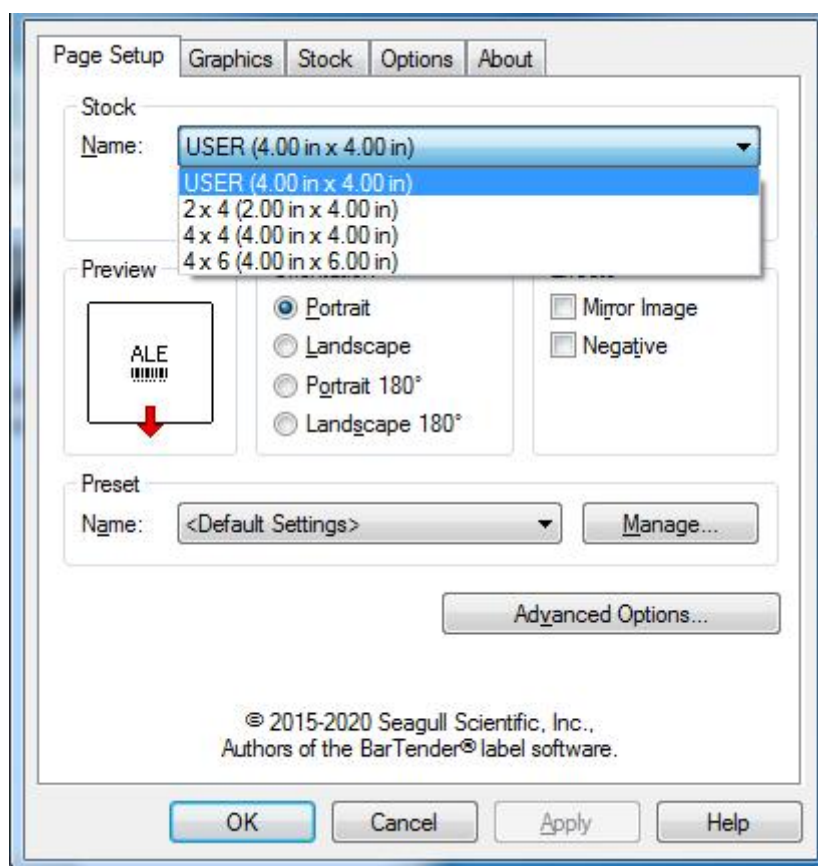
1. Click “Start” → “Devices and Printers”. Right click icon and choose “Printing preferences”.



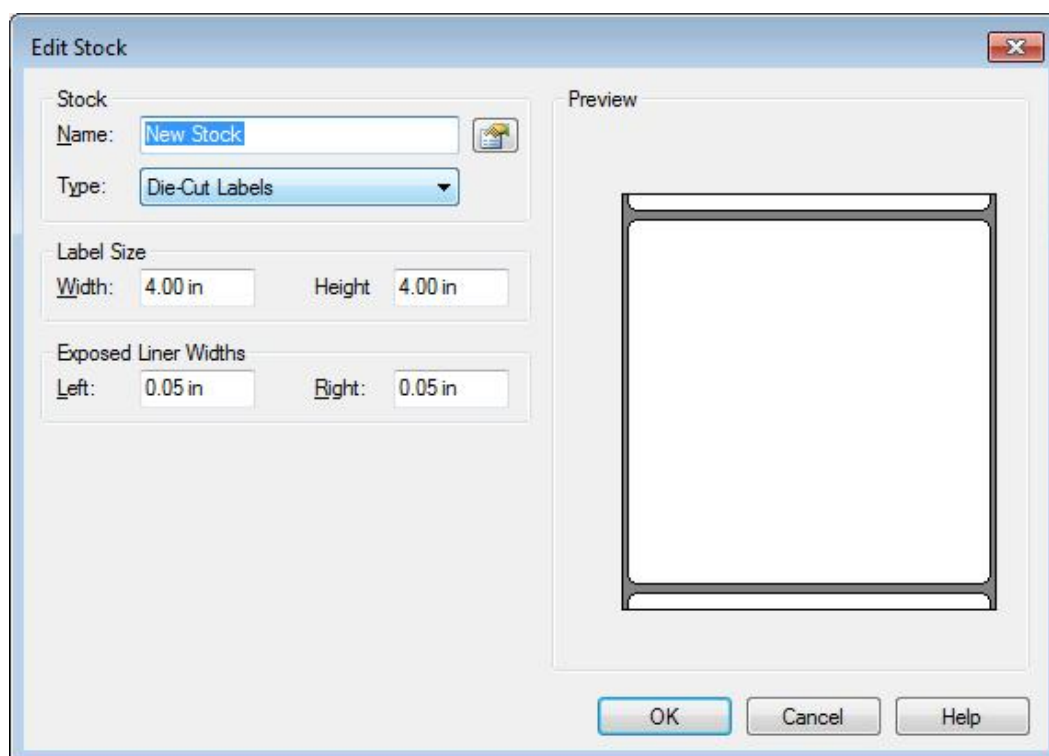
2. According to different needs, set up the page.



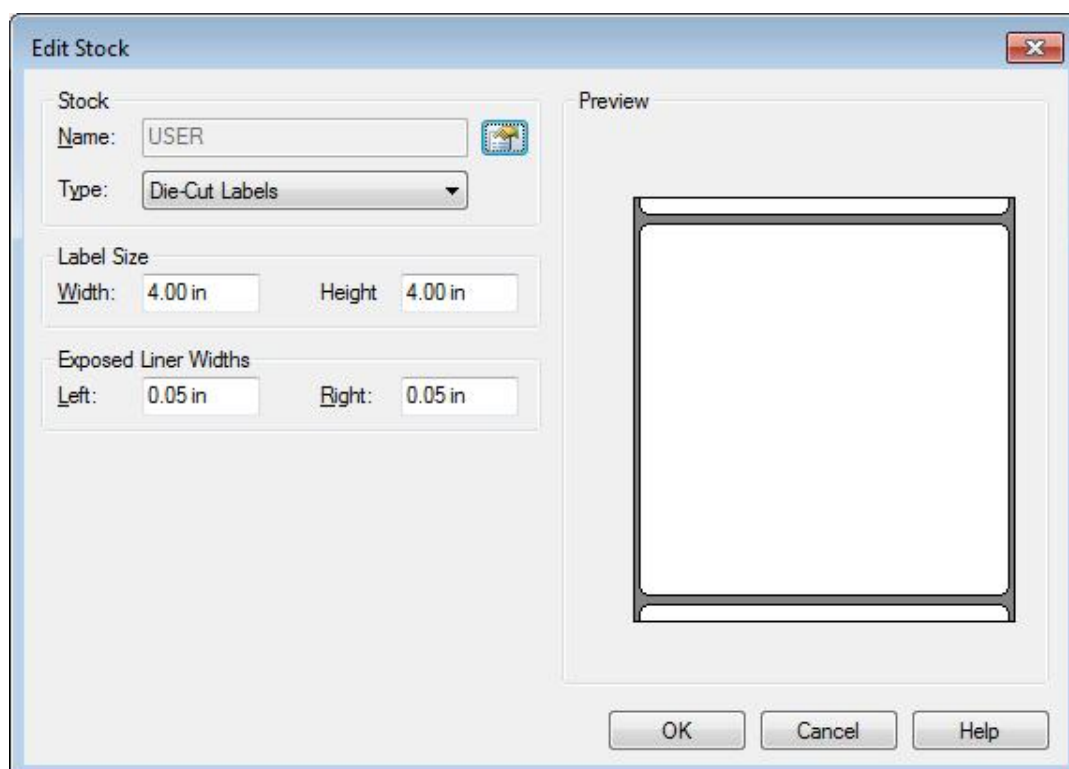
- Click “Stock” → “Name”, and choose the paper type.



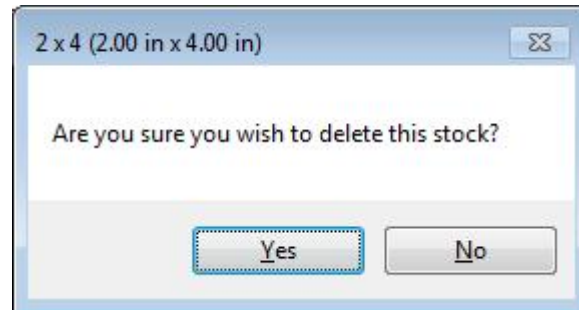
- Click “New Stock”, and set up a new stock.



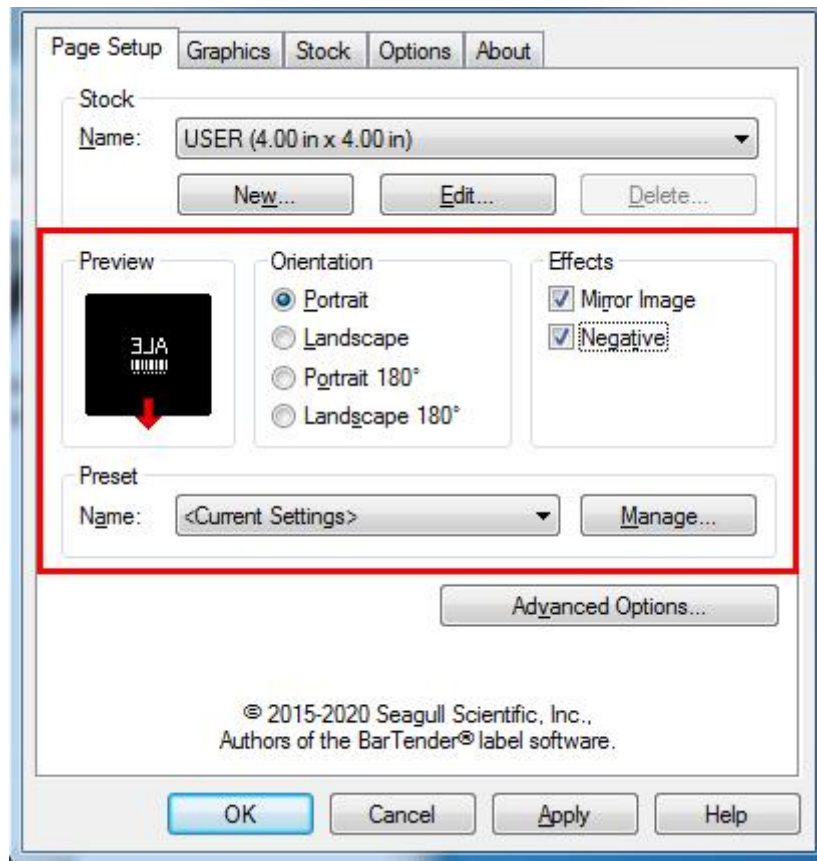
- Click “Edit Stock”, and edit the stock.



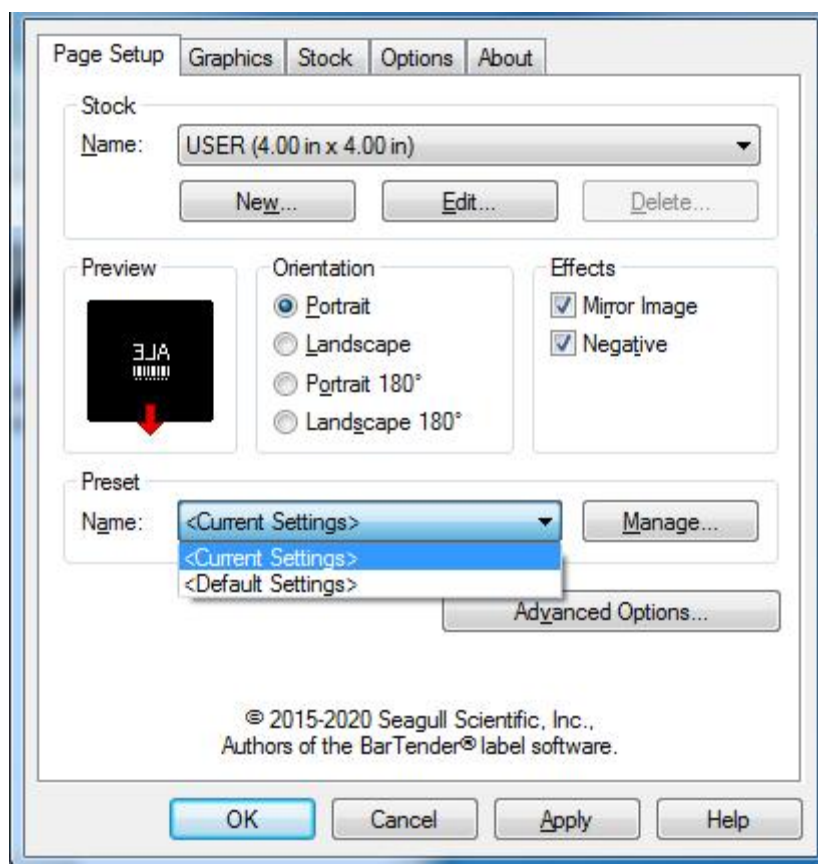
- Click “Delete Stock”, and delete the stock.



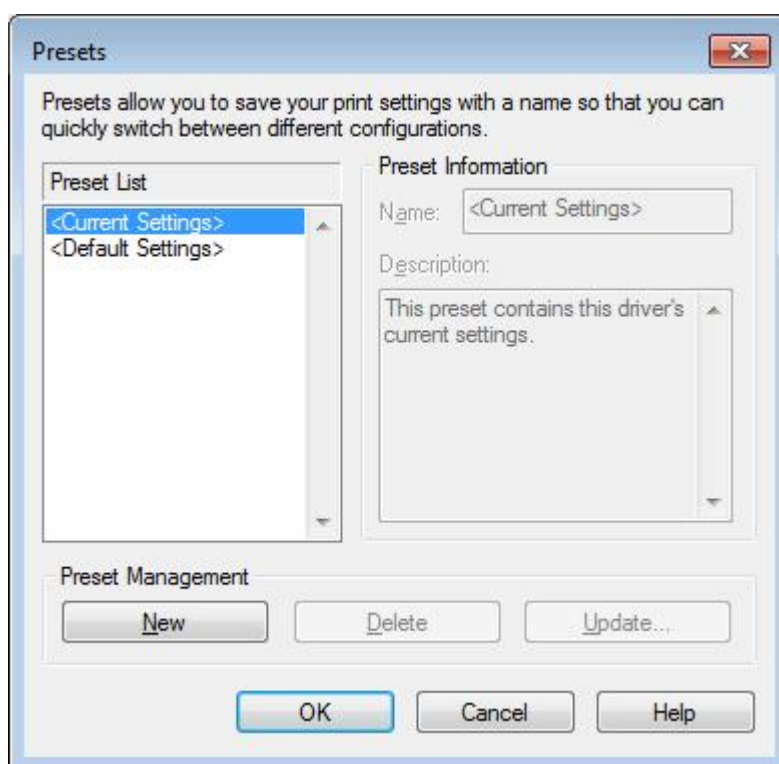
- Choose “Orientation” or “Effects”, showed in the “Preview”.



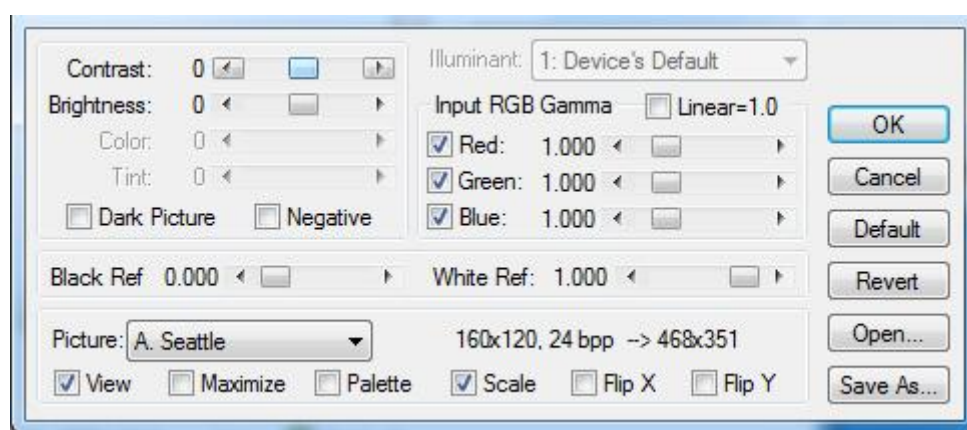
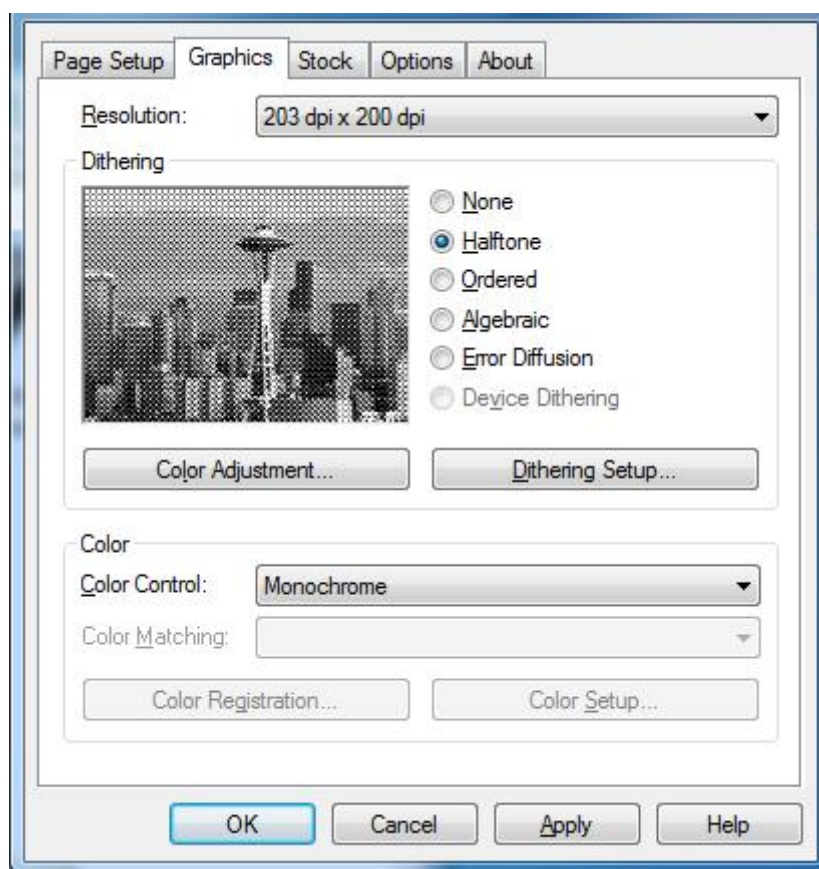
- Click “Preset” → “Name”, and back to the default settings.



- Click “Manage”, and change the settings.



3. Click “Graphics”, and edit the pictures.



4. Click "Stock", set the media settings, feed mode and feed options.

The screenshot shows a dialog box titled "Stock" with tabs for "Page Setup", "Graphics", "Stock", "Options", and "About". The "Stock" tab is active. It contains three sections: "Media Settings", "Feed Mode", and "Feed Options".

Media Settings

- Print Method:** A dropdown menu with "Use Current Printer Setting" selected.
- Media Type:** A dropdown menu with "Use Current Printer Setting" selected.

Feed Mode

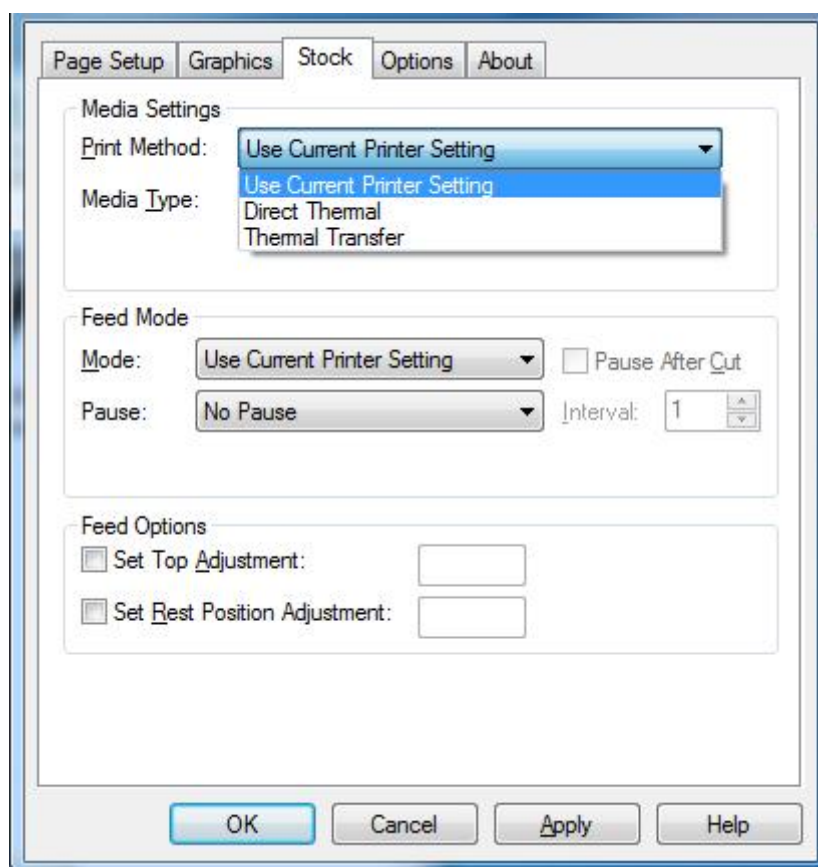
- Mode:** A dropdown menu with "Use Current Printer Setting" selected.
- Pause:** A dropdown menu with "No Pause" selected.
- Interval:** A numeric input field with the value "1" and up/down arrow buttons.
- Pause After Cut:** An unchecked checkbox.

Feed Options

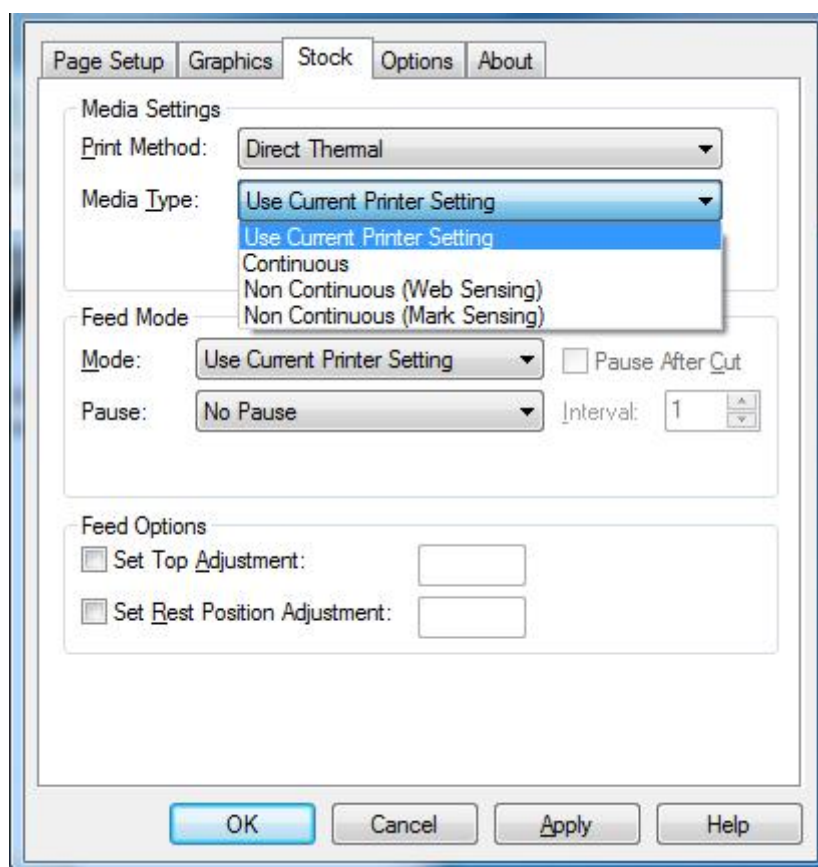
- Set Top Adjustment:** An unchecked checkbox followed by an empty text input field.
- Set Rest Position Adjustment:** An unchecked checkbox followed by an empty text input field.

At the bottom of the dialog box are four buttons: "OK", "Cancel", "Apply", and "Help".

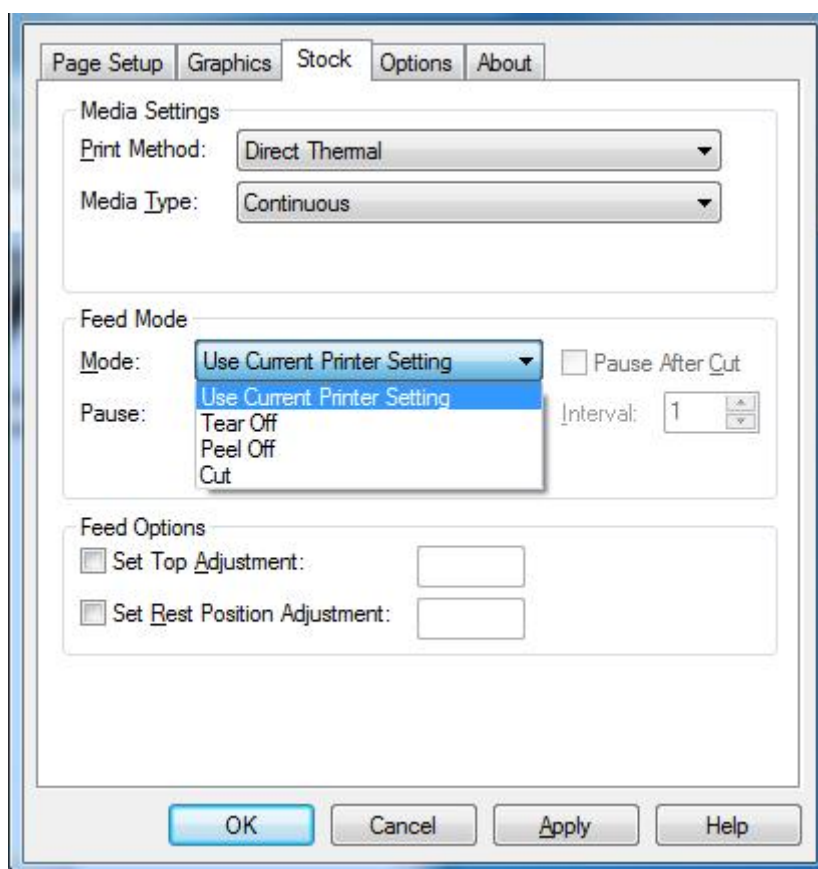
- Set up the print method (Direct Thermal / Thermal Transfer).



- Set up the media type.

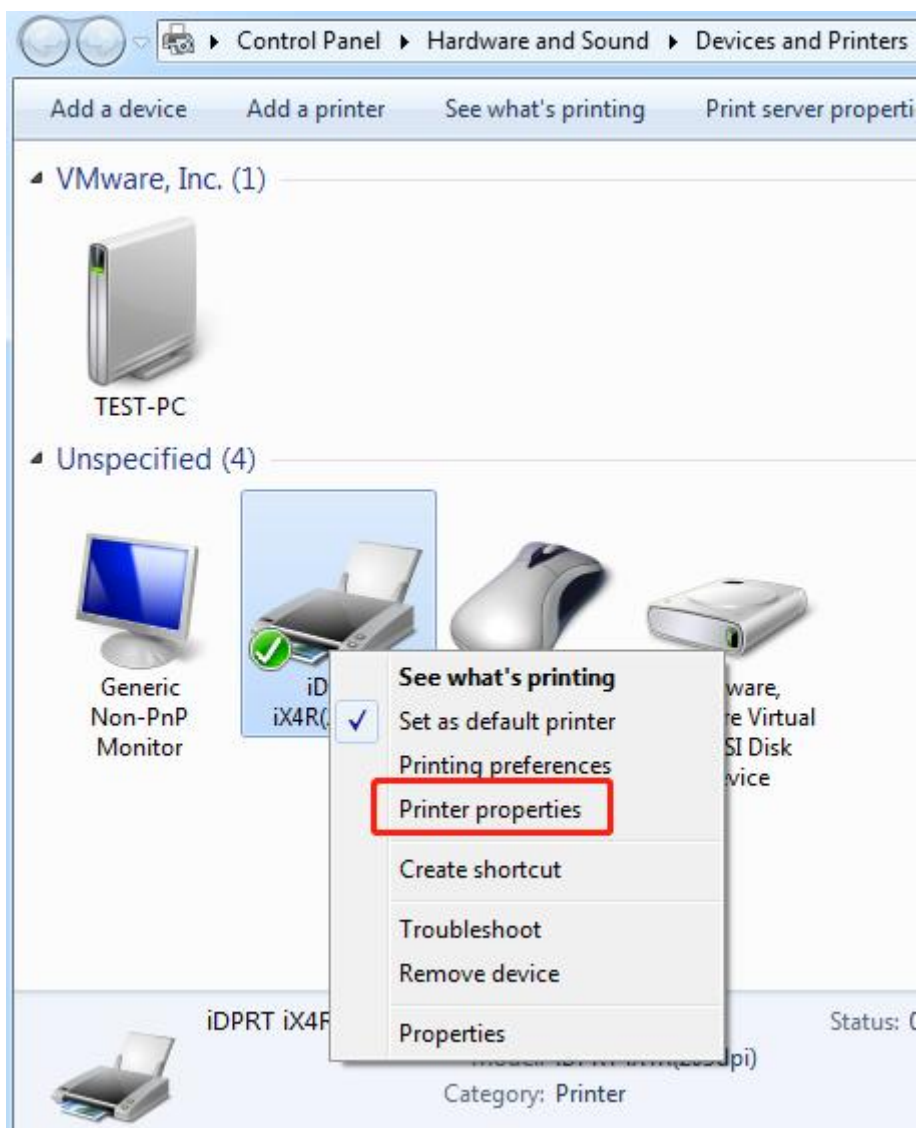


- Click “Feed Mode” → “Mode”, and choose the method of media handling.

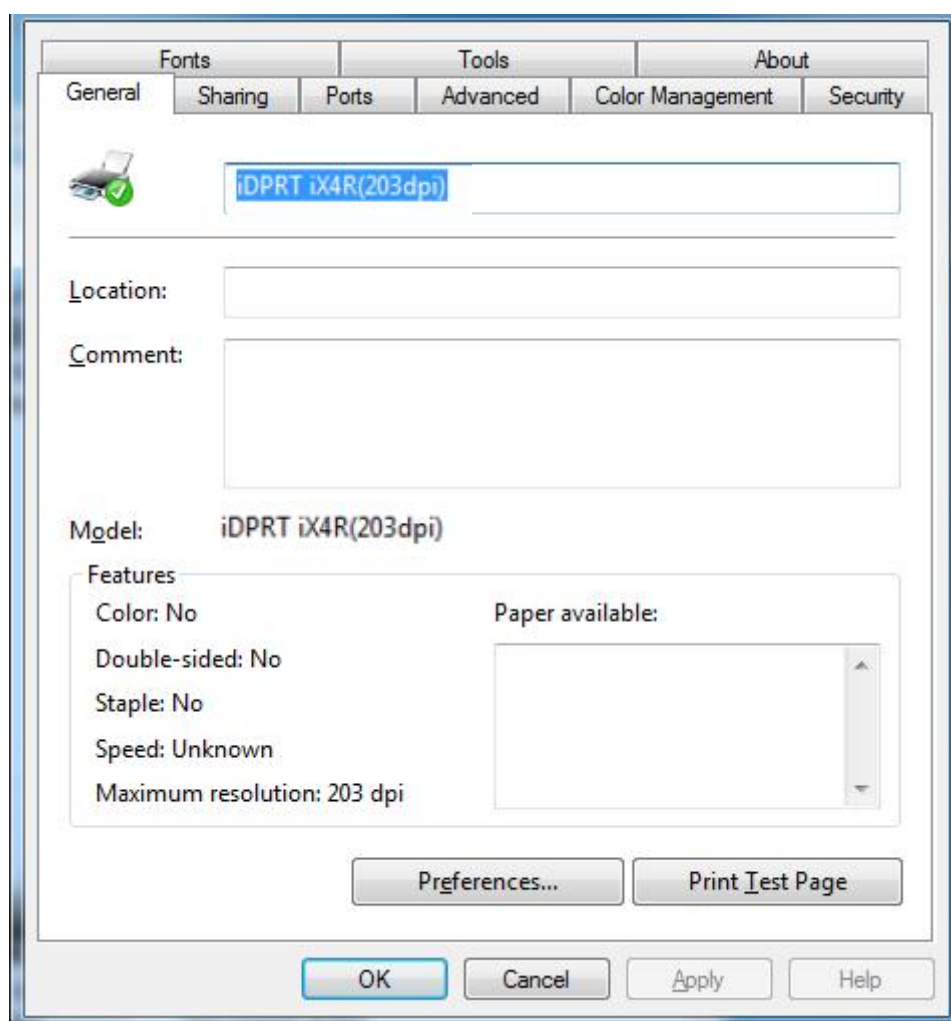


7.4.2 Printer Properties

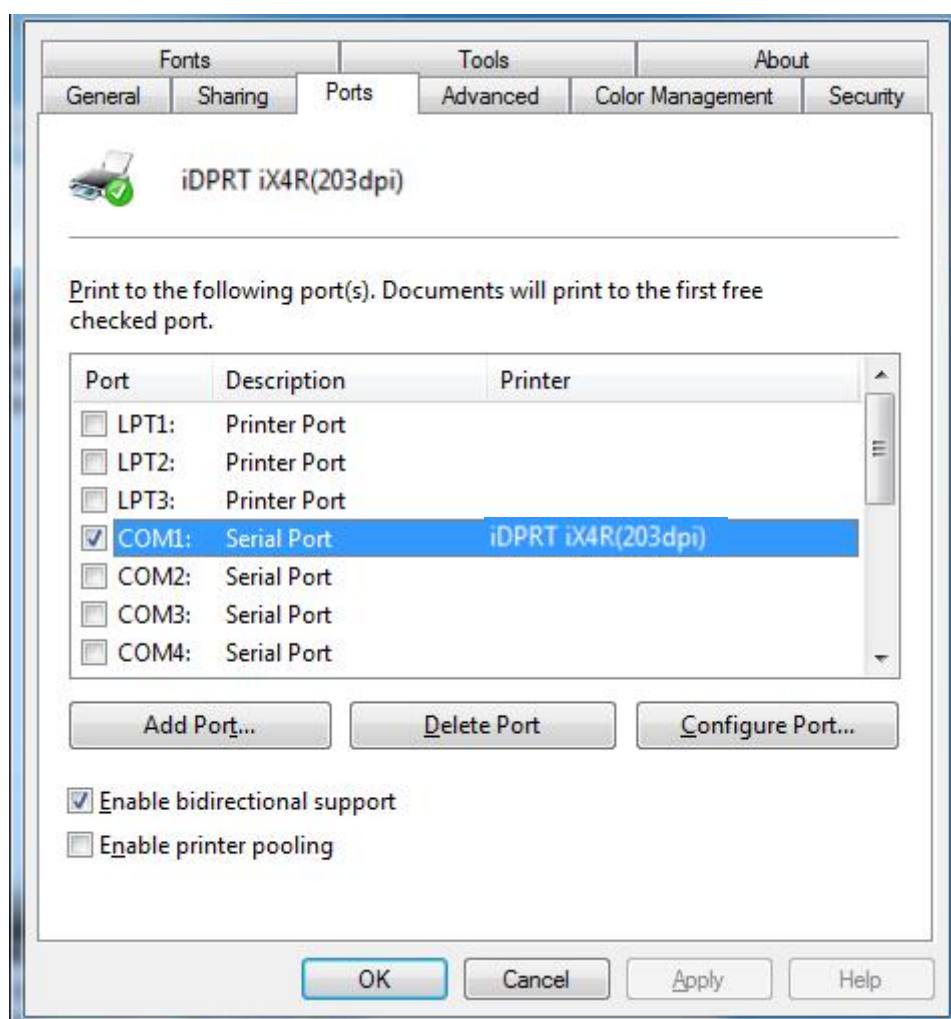
1. Click "Start" → "Devices and Printers". Right click the icon and choose "Printer properties".



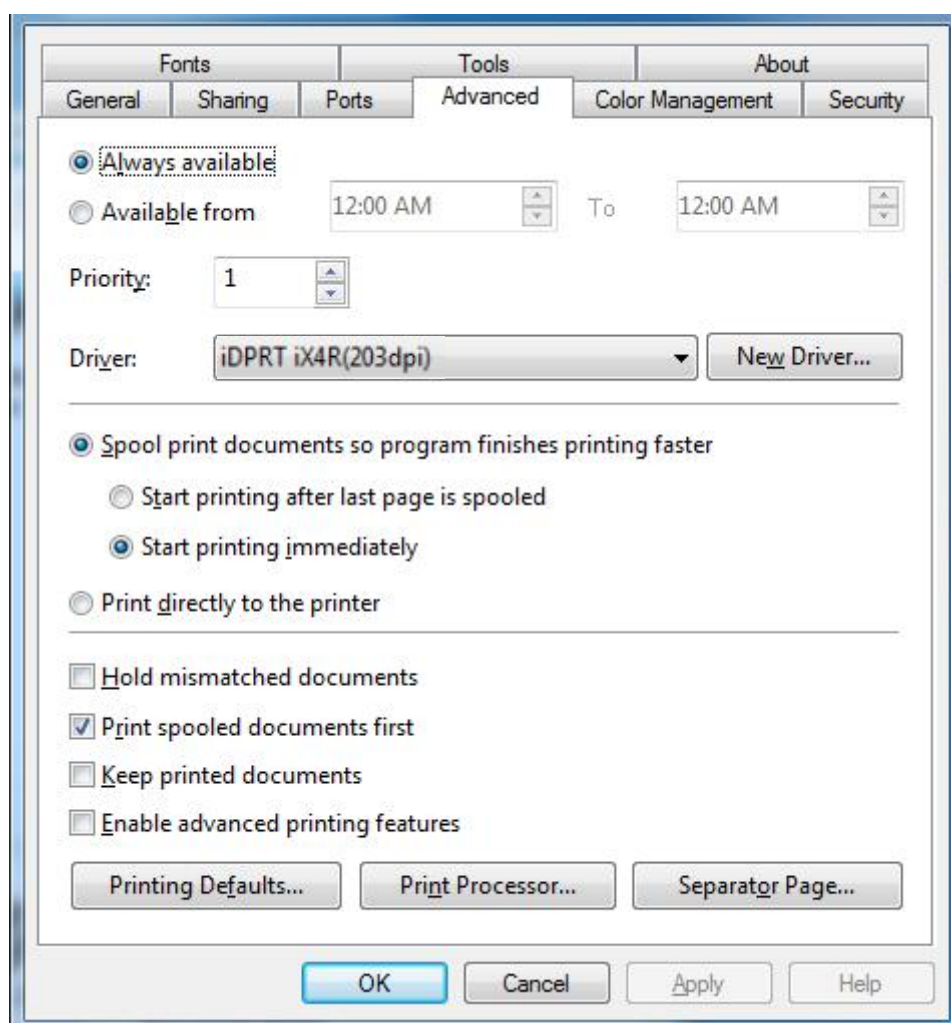
2. Click "General" → "Print Test Page", and printer will print labels with current settings.



3. Click "Ports", and choose the port needed.



4. Click “Advanced” to set the available time for printer.



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.

- Windows 10, 8.1, 8, 7 and Vista.
- Windows Server 2016, Server 2012 and 2012 R2, Server 2008 and 2008 R2.
- Includes all 32-bit and 64-bit (x64) editions.

8.2 Installation Preparation

Download BarTender UltraLite application program in CD.

8.3 Installation



Note:

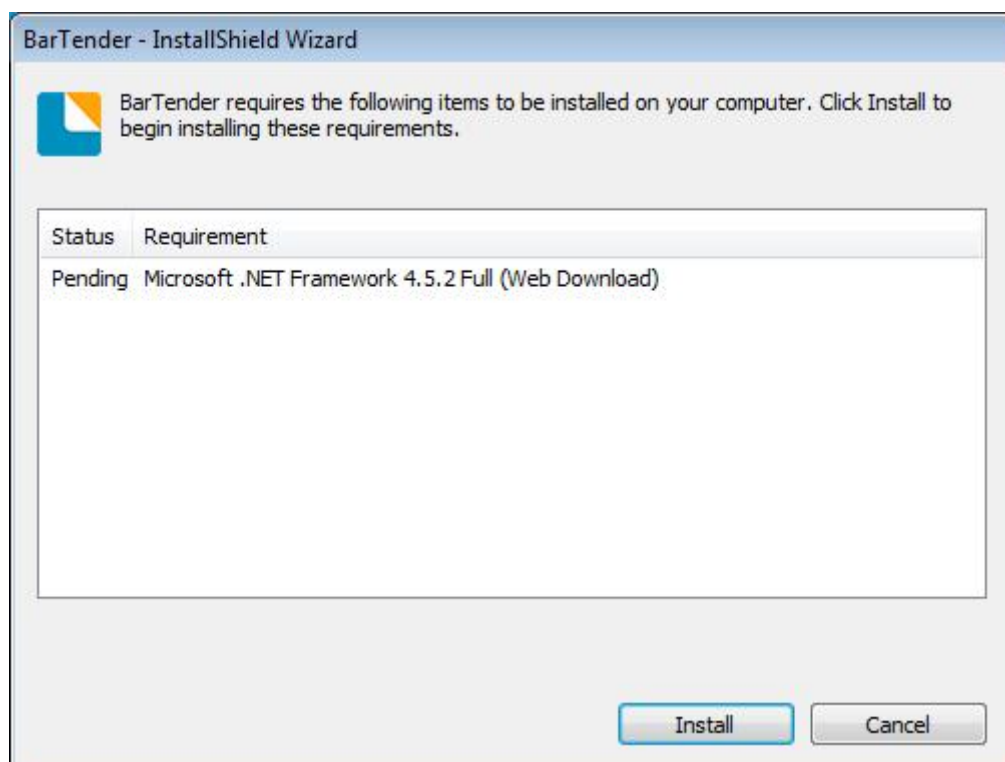
- Under different operating systems, the screen may be slightly different. Take Windows 7 as example.
- Take printer iX4R as example.
- To avoid the prevention, recommend to close the security software before installation.

1. Double click the application program .

2. Select language, then click "OK".



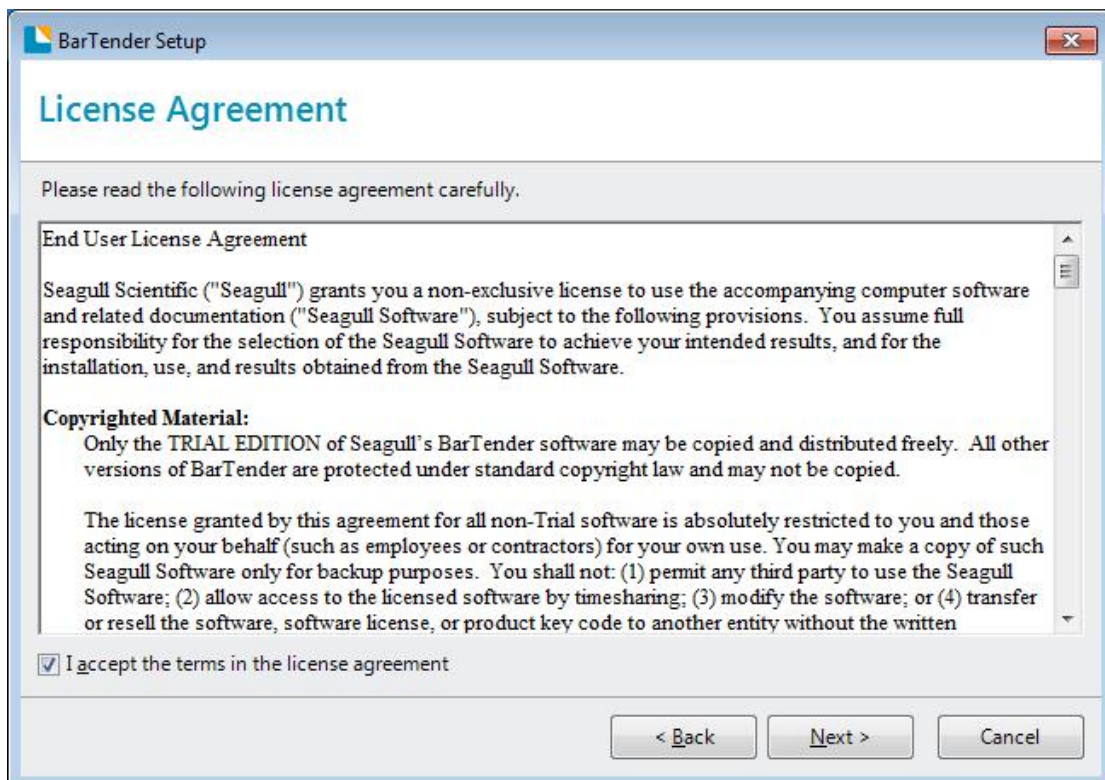
3. Click "Install".



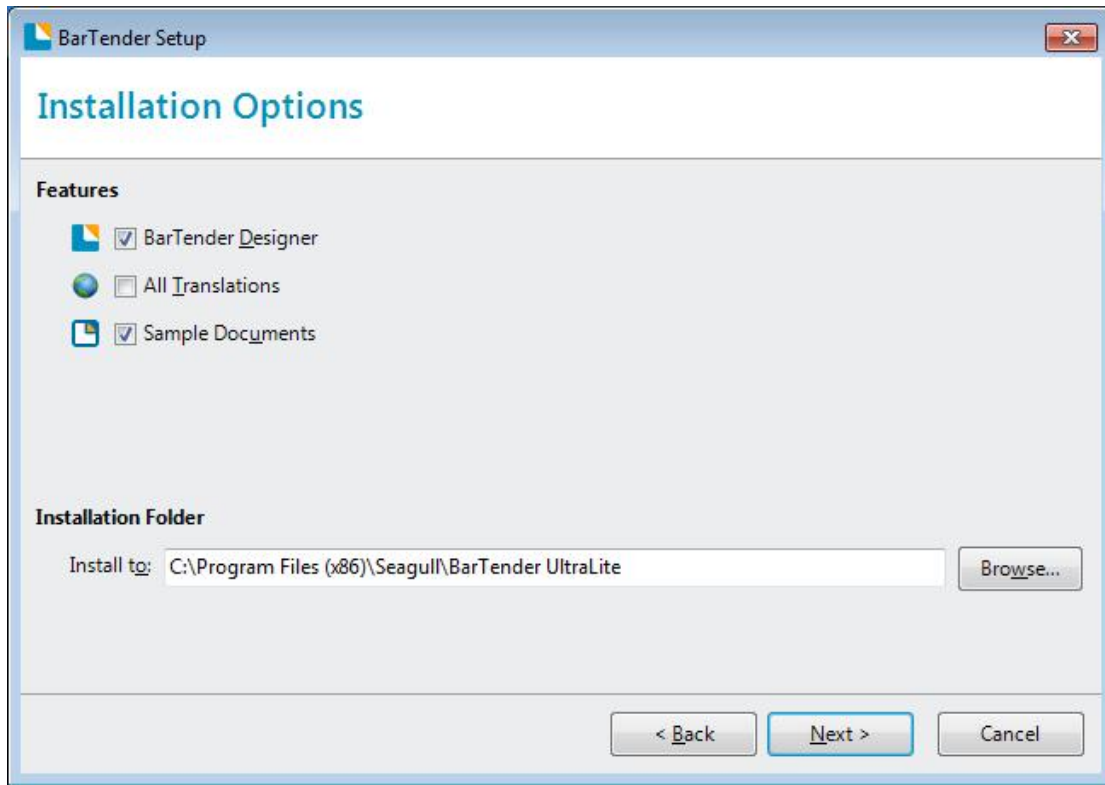
4. Click "Next".



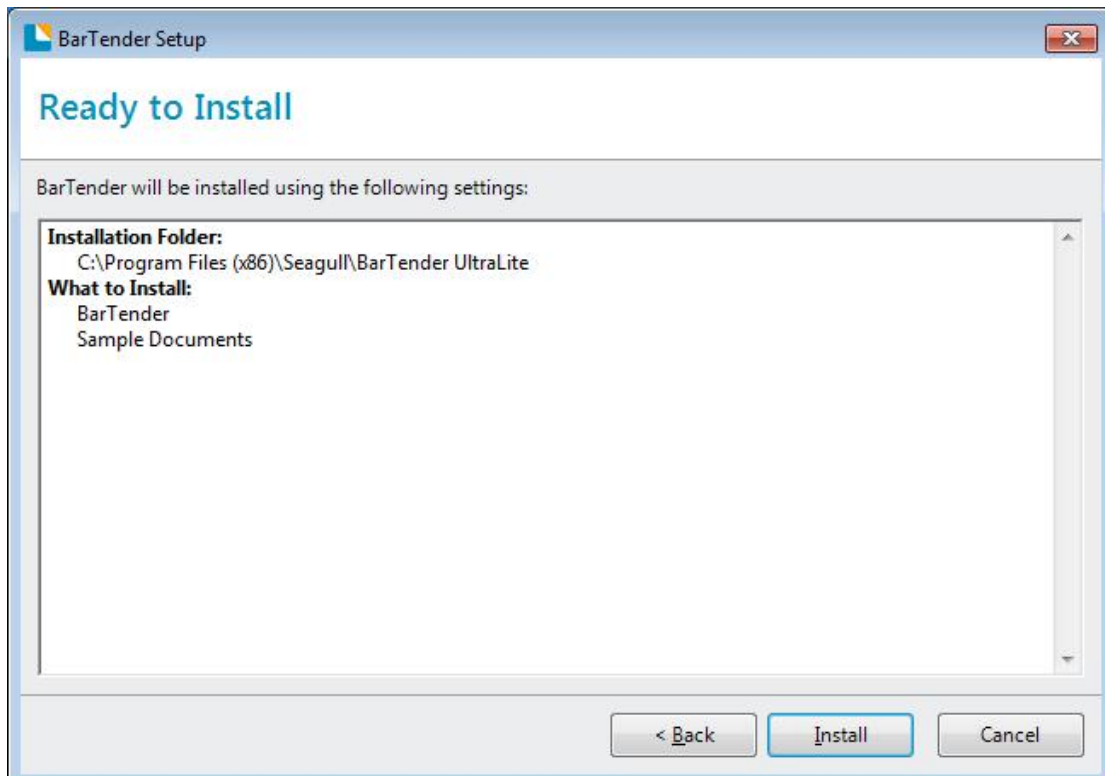
5. Read and accept the license agreement, then click "Next".



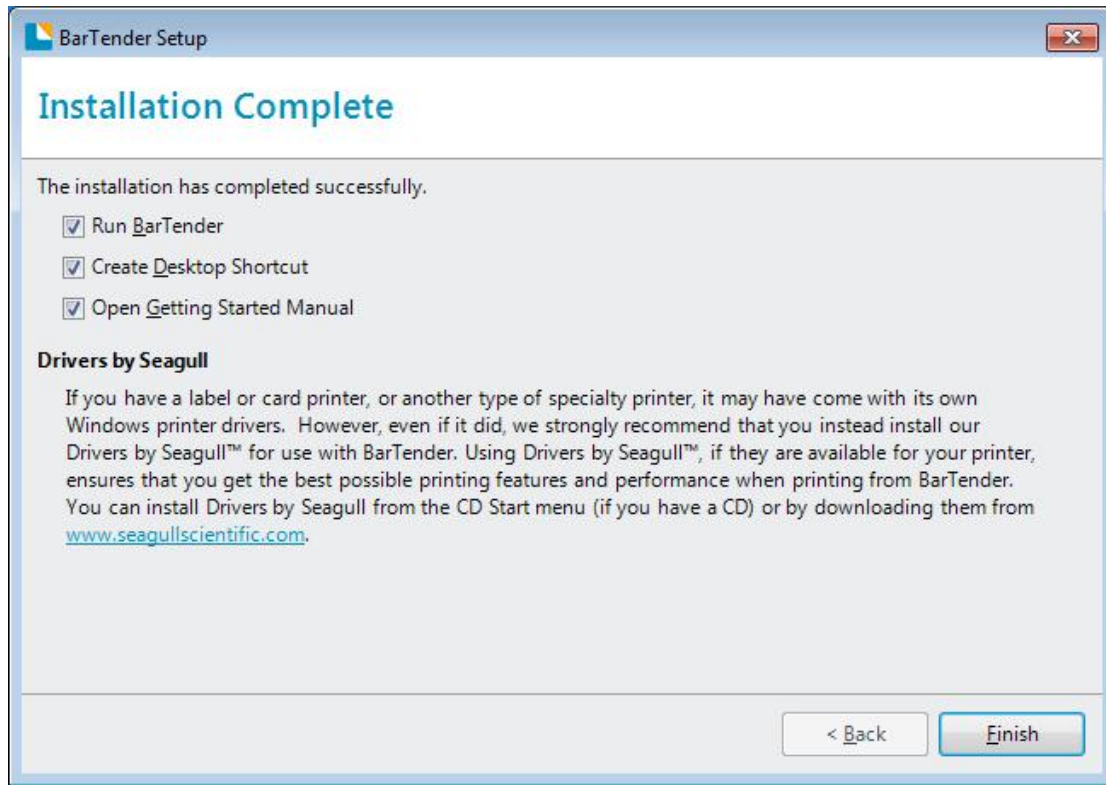
6. Select "Features" and installation location, then click "Next".



7. Click "Install".



8. Click "Finish".



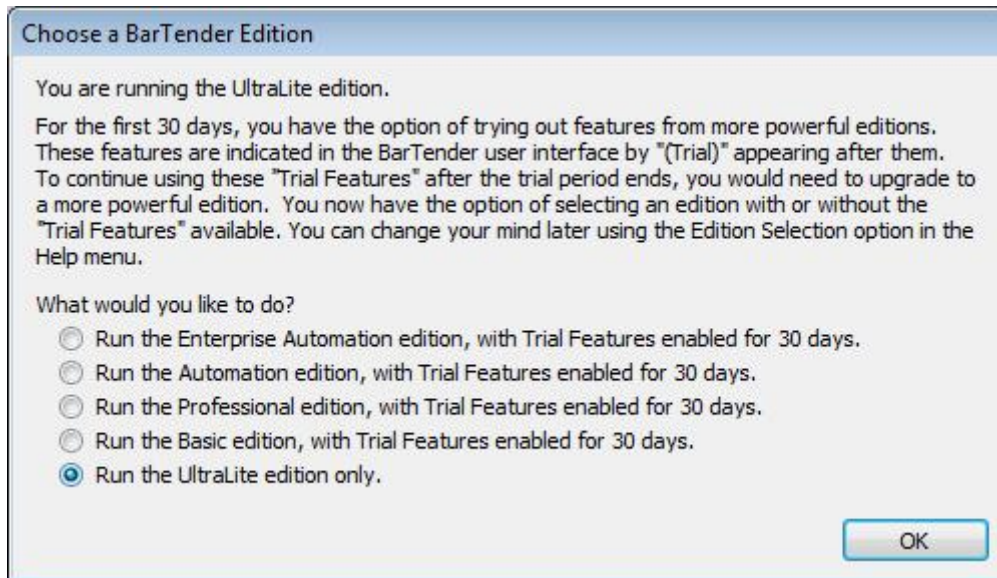
9. Back to desktop, and you will see the icon of BarTender UltraLite. Double click it and get down to use.



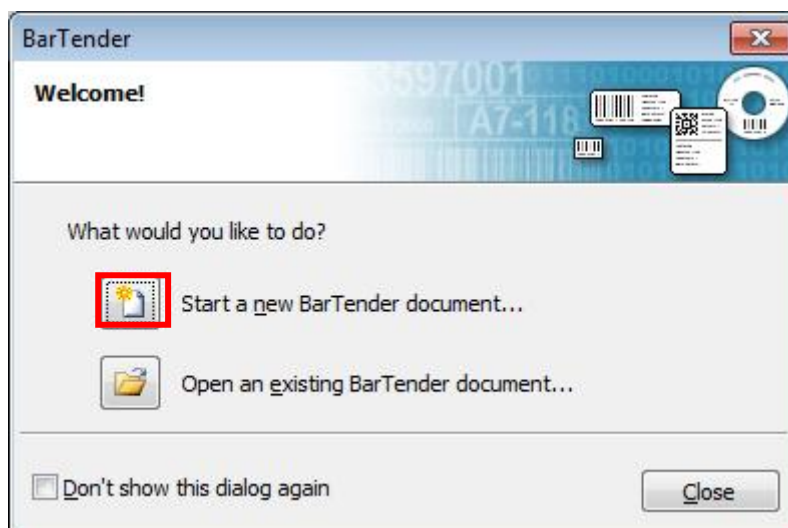
8.4 Usage

8.4.1 Page Settings

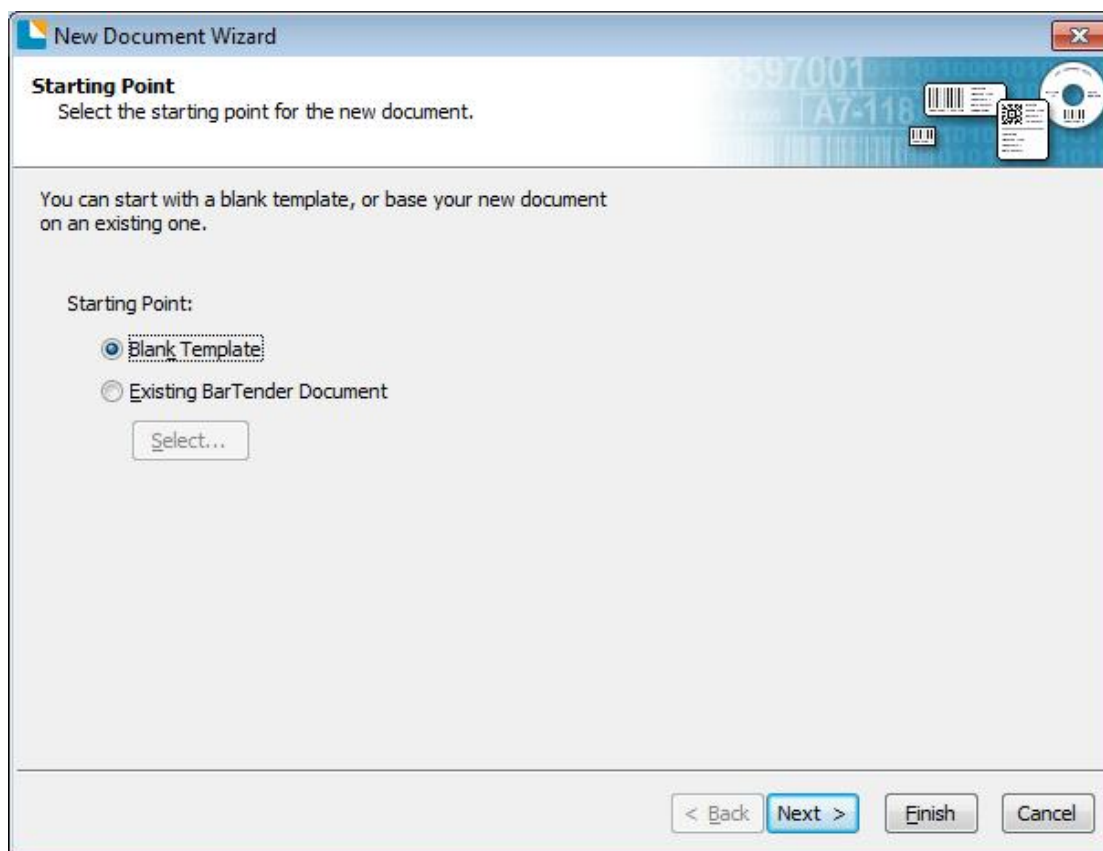
1. Double click the icon, then choose the edition. Click "OK". (The edition may be changed according to different needs.)



2. Click "Start a new BarTender document".



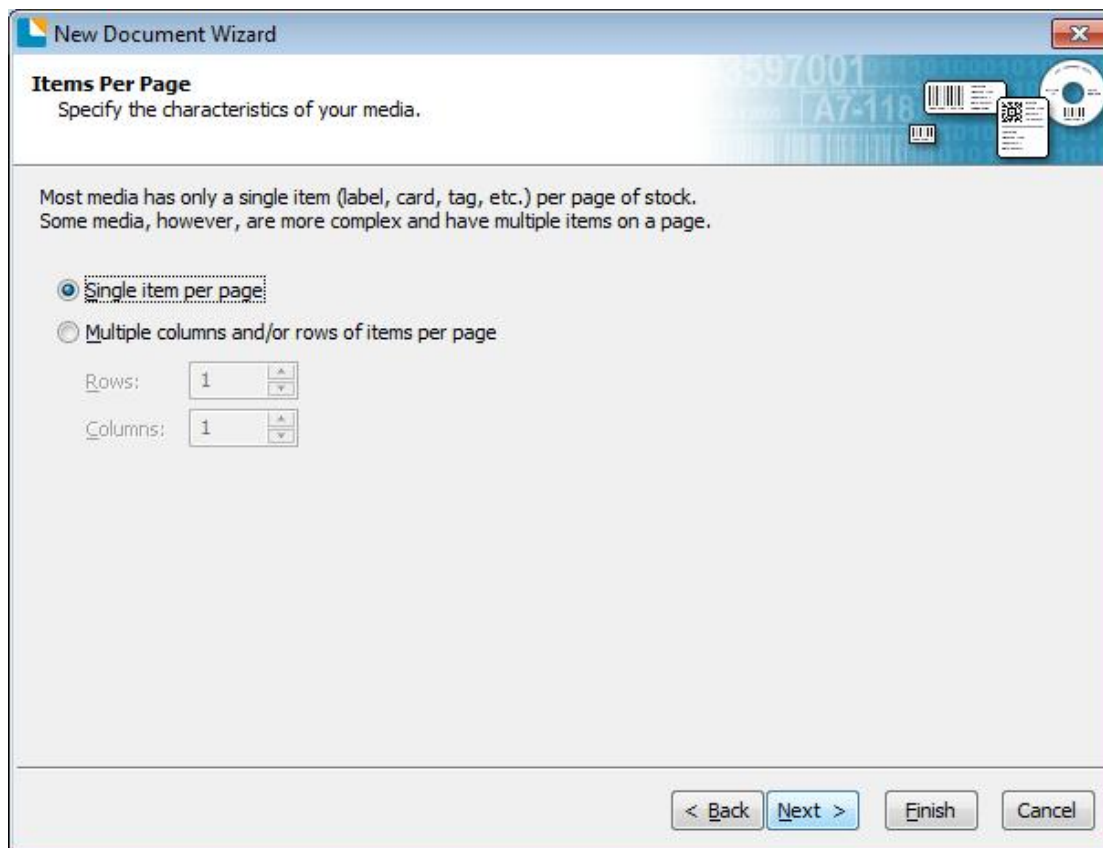
3. Choose “Blank Template”, then click “Next”.



4.If the predefined stocks do not meet your need, tick “Specify Custom Settings”. Then click “Next”.

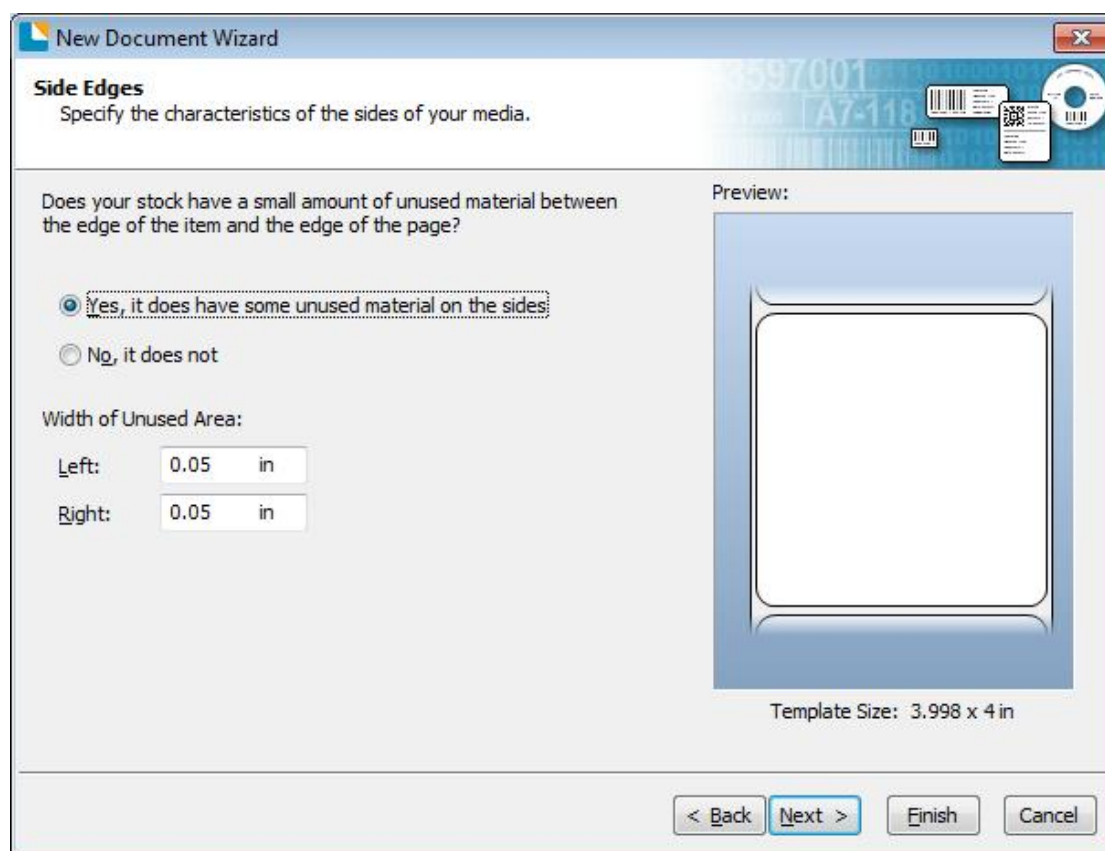
The screenshot shows a Windows-style dialog box titled "New Document Wizard" with a close button in the top right corner. The main heading is "Stock Selection". Below this, a descriptive text reads: "A Stock specifies the size of the page, and the size, number, and position of the items on the page. You may select a predefined Stock or specify your own custom settings." There are two radio buttons: "Specify Custom Settings" (which is selected) and "Use a Predefined Stock". Under "Use a Predefined Stock", there is a "Category:" dropdown menu and a "Stock Name:" list box. At the bottom right, there are four buttons: "< Back", "Next >" (highlighted in blue), "Finish", and "Cancel". The background of the dialog features a faint image of various identification documents, including a passport page with the number "3597001" and "A7-118", a barcode, a QR code, and a CD/DVD.

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



The image shows a Windows-style dialog box titled "New Document Wizard". The main heading is "Items Per Page" with the instruction "Specify the characteristics of your media." Below this, a text block states: "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" (which is selected) and "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 "1". At the bottom right, there are four buttons: "< Back", "Next >" (highlighted in blue), "Finish", and "Cancel". The top right corner of the dialog features a decorative graphic with various media icons like a barcode, a CD, and a tag.

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



The image shows a software window titled "New Document Wizard" with a sub-header "Side Edges". The instruction "Specify the characteristics of the sides of your media." is present. A question asks if the stock has unused material between the edge of the item and the edge of the page. Two radio buttons are available: "Yes, it does have some unused material on the sides" (selected) and "No, it does not". Below this, the "Width of Unused Area:" is specified for "Left" and "Right" sides, both set to "0.05 in". A "Preview:" window shows a square template with rounded corners and a double-line border. Below the preview, the text "Template Size: 3.998 x 4 in" is displayed. At the bottom, there are four buttons: "< Back", "Next >" (highlighted), "Finish", and "Cancel". The top right of the window features a decorative header with a barcode, the number "3597001", and the text "A7-118".

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

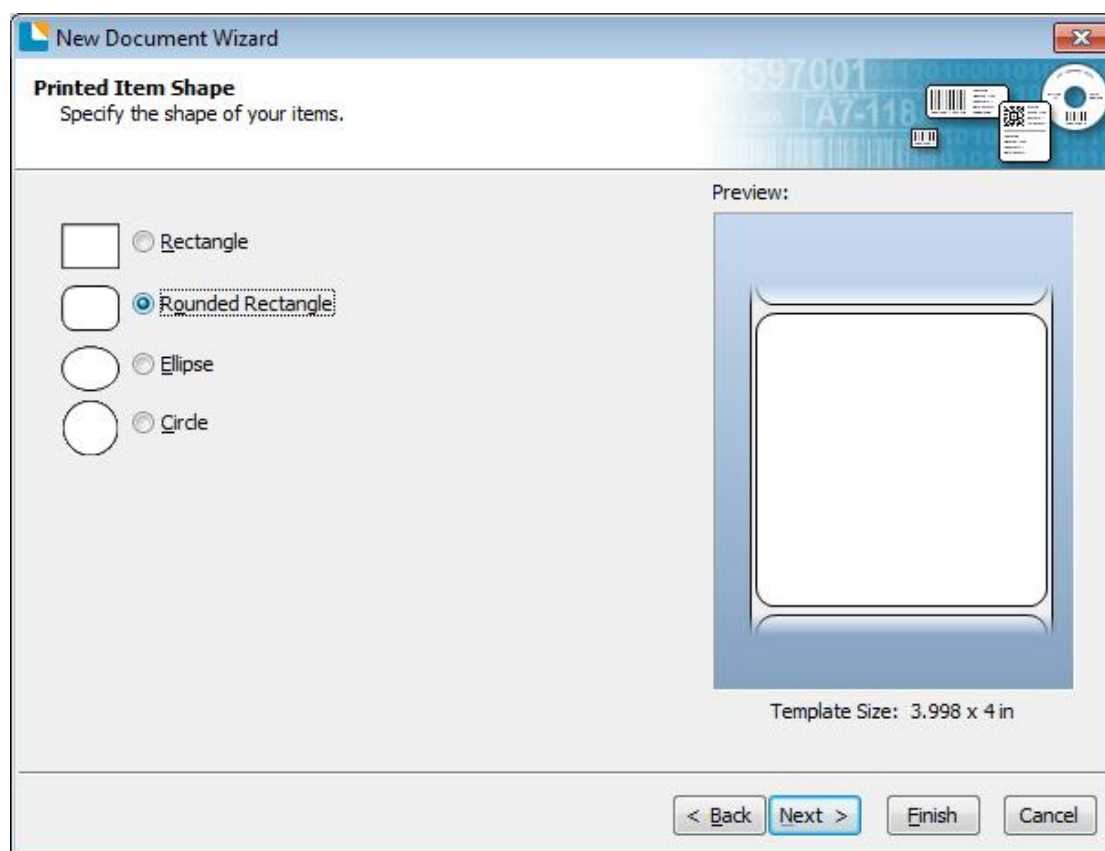
Right: 0.05 in

Preview:

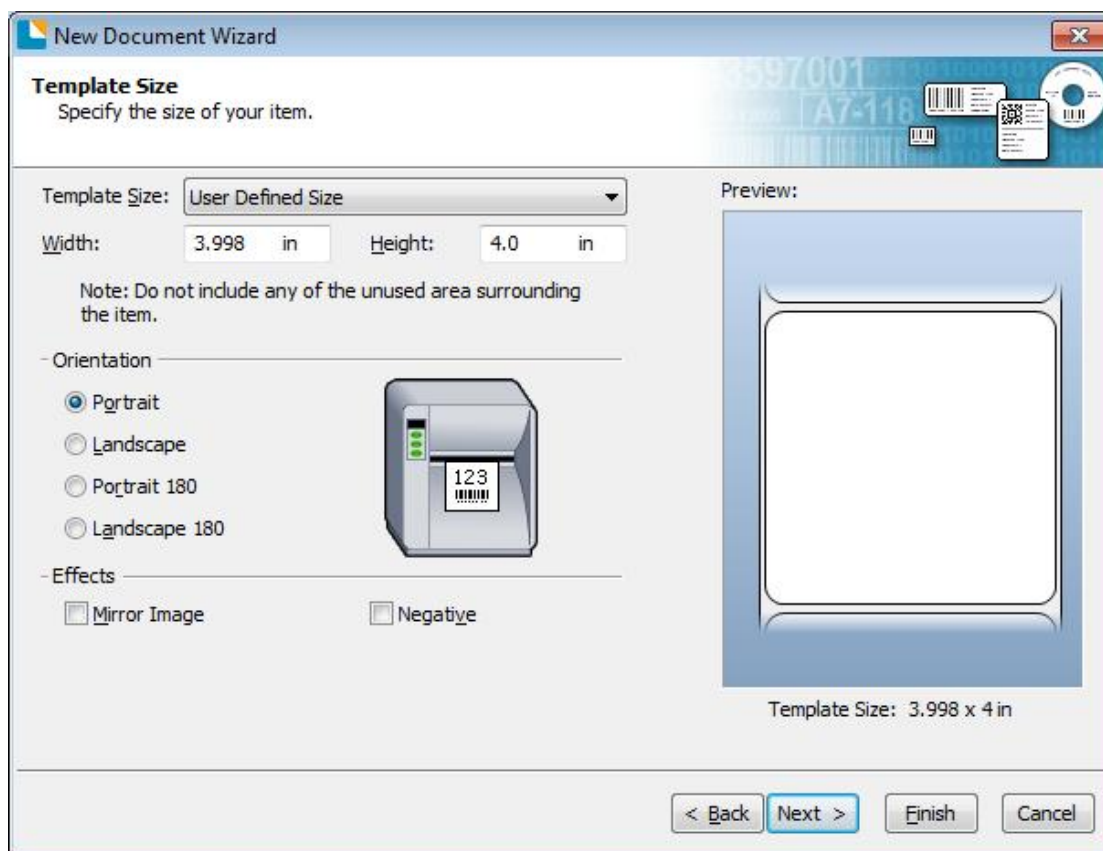
Template Size: 3.998 x 4 in

< Back Next > Finish Cancel

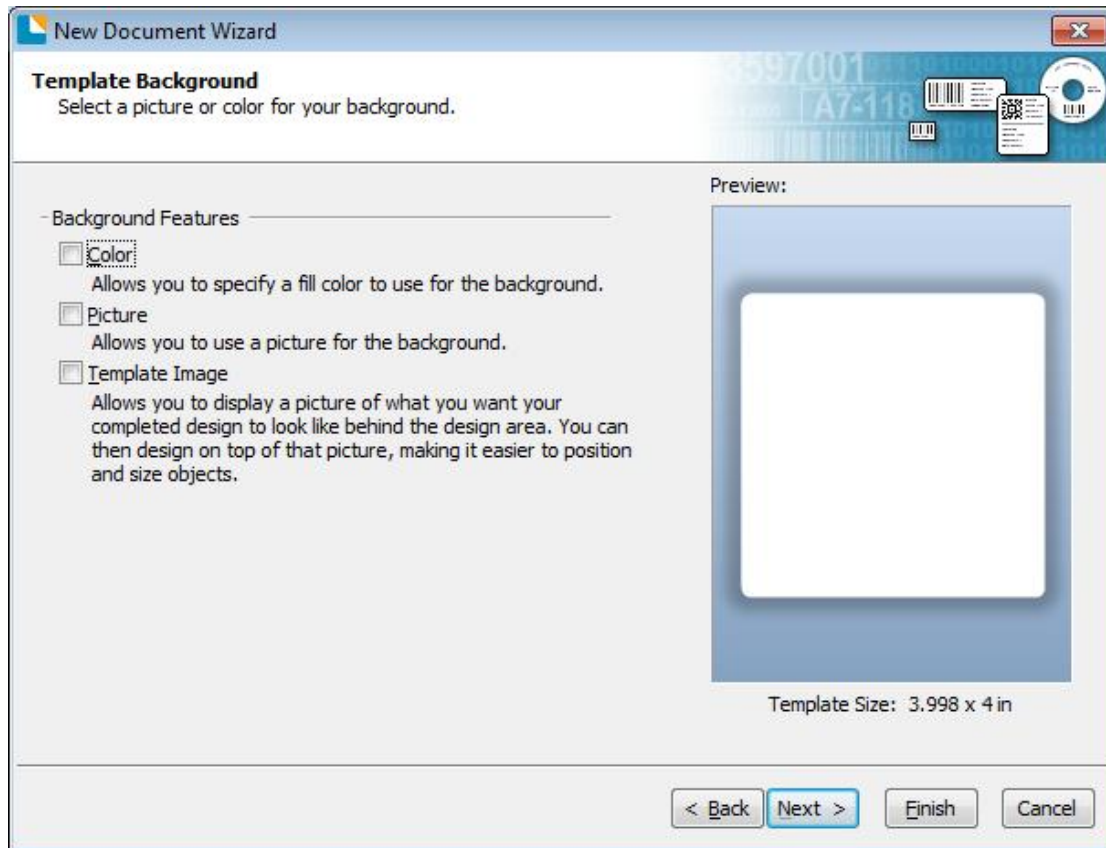
7. Choose the item shape, then click “Next”.



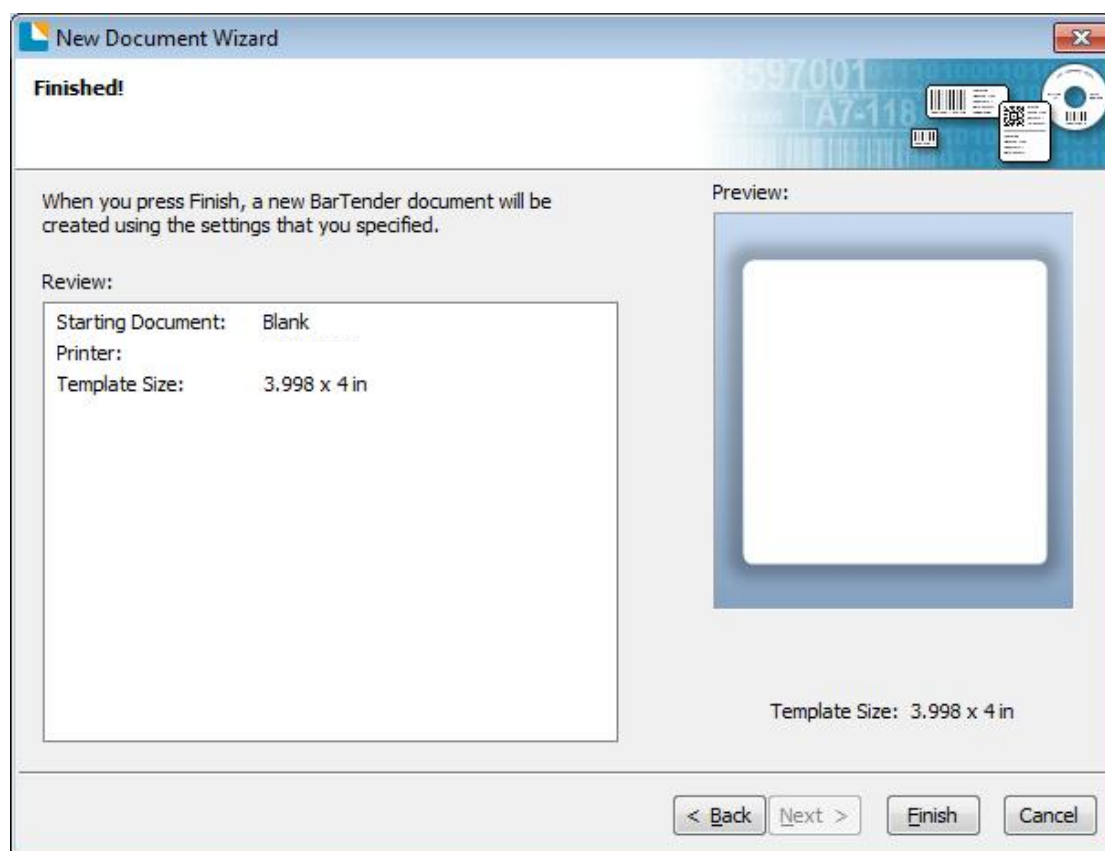
8. Edit the template size, then click “Next”.



9. Based on your need, edit the template background. Then click “Next”.

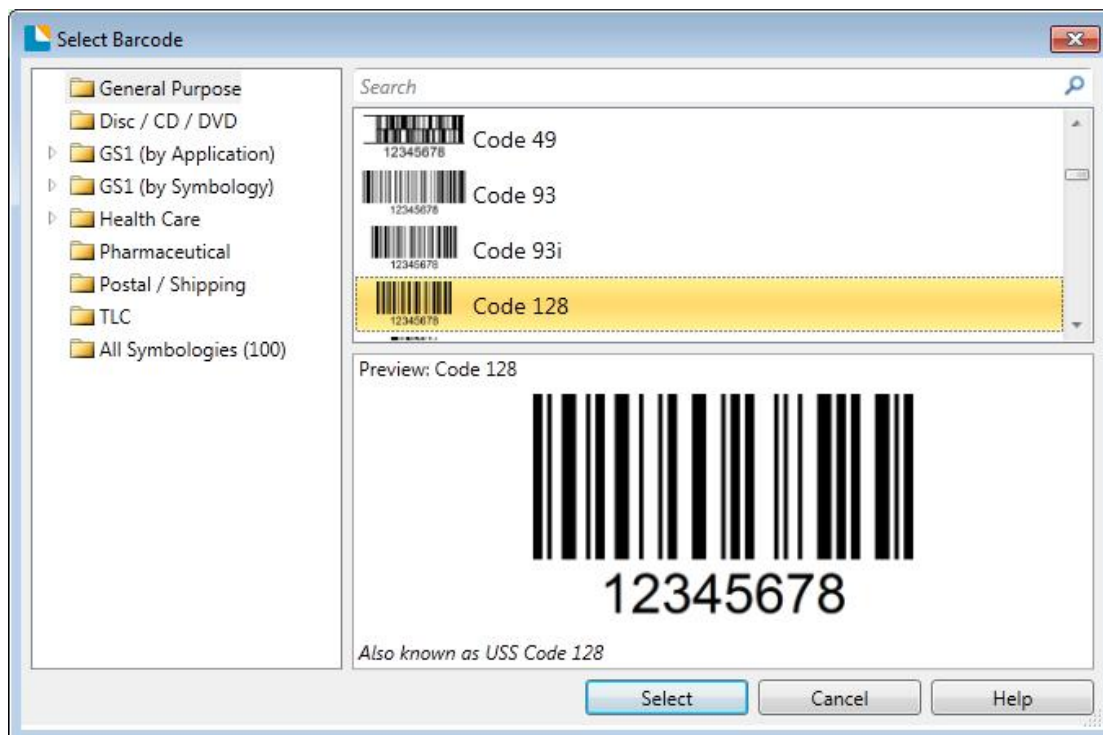


10. Finish the settings, showed in the “Review” and “Preview”. Then click “Finish”.

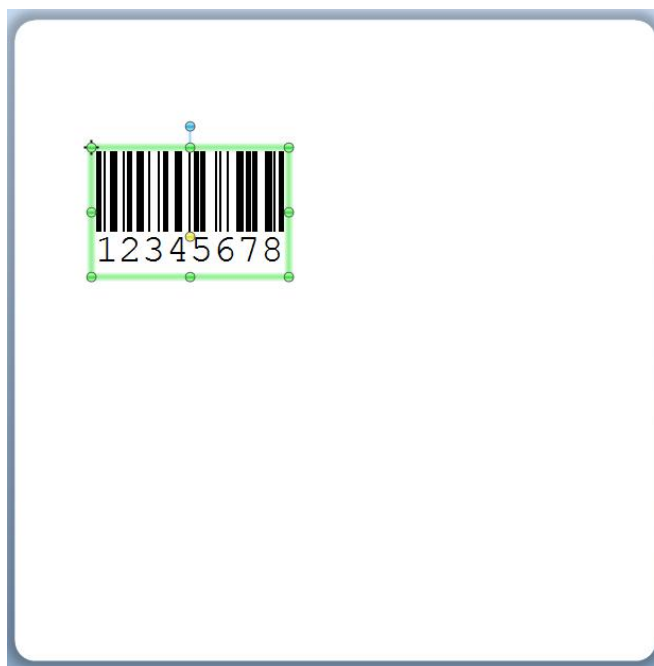


8.4.2 label Edit

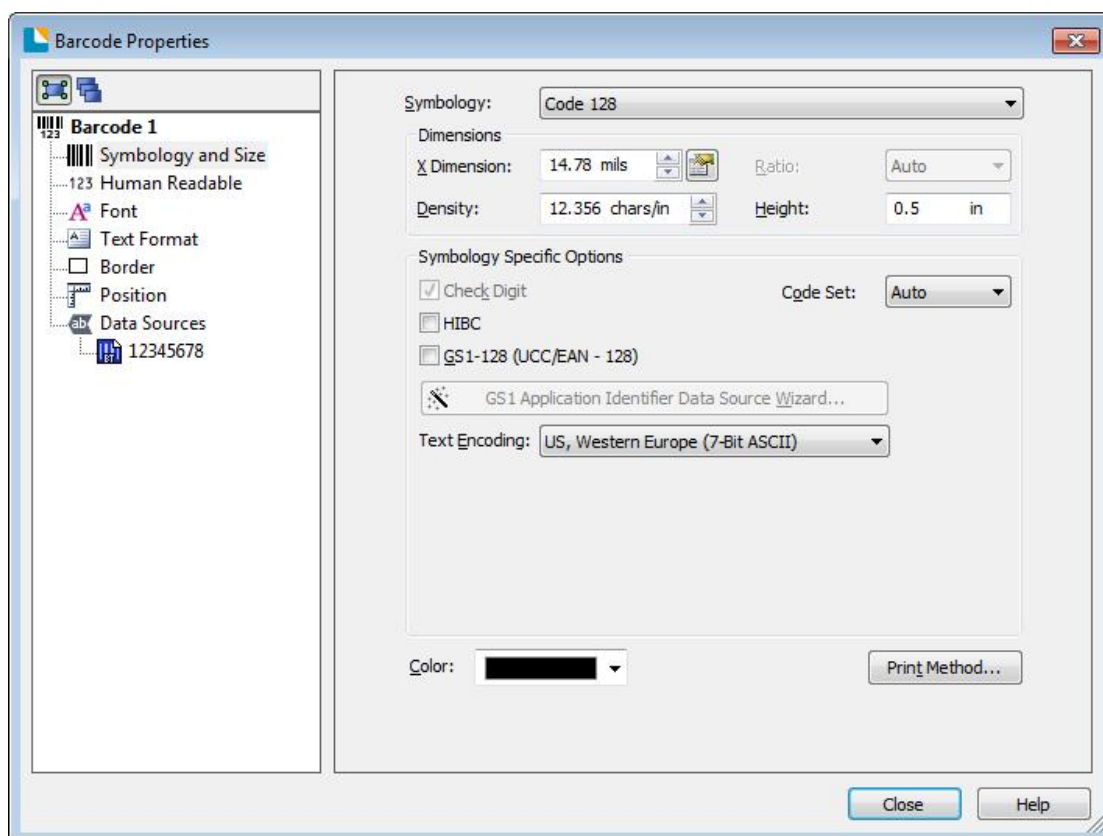
1. Click the icon of code .
2. Choose the code, then click "Select".



3. Click the blank, showing the code.



4. Double click the code and edit it. User can set up the size, font, border and so on.



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 will be printed.

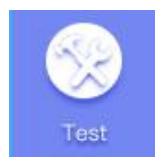
Appendix I Display Menu

Main menu	Submenu	Parameter	Remark
Setting 	Printing Setup 	Printing Method	0: DT 1: TT Default: Factory settings (locked/unlocked))
		Printing Speed	2-N ips Default: Factory settings N: Maximum depends on the language
		Printing Darkness	0-N ZPL/DPL/=30;EPL=20; TSPL=15 Default: Factory settings N: Maximum depends on the language
		Page Rotation	0: 0°, 1: 90° 2: 180°, 3: 270° Default:0 (locked/unlocked)
		After Printed	0: None, 1: Tear 2: peeler, 3: Cutter Default:1 (locked/unlocked)
		Stop Position	Position peel, tear and cutter position 0: Automatic default 1: manual 0 - 30.0 mm Default: Tear paper line position based on print line (locked/unlocked)
	Advance 	Label type	gap label (default), black label, continuous paper Default:0 (locked/unlocked)
		Position	Automatic (default) penetration detection Reflective detection Default:0 (locked/unlocked)
		Print Y offset	Adjust the vertical coordinates of the print start position + /- 120 dots Default:0 (locked/unlocked)
		Print X offset	Adjust the horizontal start of the print + /- 120 dots Default:0 (locked/unlocked)
		PL Simulation	Automatic or manual lying 0: Automatic recognition switch 1: ZPL 2: TSPL 3: EPL 4: DPL Default:0 (locked/unlocked)

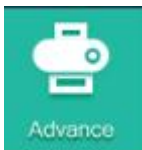
Main menu	Submenu	Parameter	Remark
Setting 	Advance 	Codepage	Default:0 (locked/unlocked)
	LCD Language 	LCD Timeout	0: No 1: 10s-9: 90s Default:1
		LCD Brightness	0-9 Default:4

Main menu	Submenu	Parameter	Remark
Setting 	LCD Language 	LCD Language 0: English 1: Español 2: Português 3: Français 4: Deutsch 5: Русская 6: Japanese 7: 한국의 8: Simplified Chinese 9: Traditional Chinese	Default:0 9: Downloadable changes
		LCD Password NNNN	Default:0000 N: 0-9 NNNN: 0000 indicates no password functionality
		Standby Display 0: Display Ready 1: Display date and time	Default:0
	Port setting 	RS232 Setting Baud Rate	0: 9600, 1: 14400, 2: 19200, 3: 38400, 4: 57600, 5: 115200 Default:0
		Data Bits	0: 7-bit, 1: 8-bit Default:0
		Parity Check	0: None, 1: Odd, 2: Even
		Flow Control	0: None, 1: XON/XOFF, 2: Hardware, 1.SW+HW Default:2

Main menu	Submenu	Parameter	Remark
Setting 	Port setting 	Ethernet Setting	0: OFF 1: ON Default: Factory settings
			0: DHCP 1: Static Default:1
			NNN.NNN.NNN.NNN Default:192.168.1.1 N: 0-9; NNN: 0-255
			NNN.NNN.NNN.NNN Default:192.168.1.0 N: 0-9; NNN: 0-255
			NNN.NNN.NNN.NNN Default: 255.255.255.0 N: 0-9; NNN: 0-255
			NNNNN Default:9100 N: 0-9
		WiFi Setting	WiFi Switch 0: OFF; 1: ON Default:0
			Networking Mode 0: AP mode 1: Station mode Default:0
			SSID AP Default: Printer Alphanumeric character model

Main menu	Submenu		Parameter	Remark
Setting 	External Device Setting 	Keyboard	Connect port 0: No 1: USB Host (Automatic connection) 2: Serial port	Default:0
		Ext. Keyboard Language	0: English 1: Español 2: Português 3: Français 4: Deutsch 5: Русская	Default:0
		Barcode Scanner	Connect port 0: No 1: USB Host (Automatic connection) 2: Serial port	Default:0
Maintain and Test 	TPH printed mileage		Show printer print miles 0-99999.99 meters	No blank paper miles
	TPH bad dot printing test		Print test sheet	
	TPH bad dot scan		Abnormal scanning test of impedance of print head	Tested, total return bad points
	Label Calibration		Label learning and correction	Action completion will stop in the corresponding stop position according to the setting of the tearing/peeling/cutting

Main menu	Submenu	Parameter	Remark
Maintain and Test 	Media sensor printing	Signal quantitative waveforms detected by print media	Detection according to specified sensor mode
	Dump mode	Print the received data and automatically change lines when the width of the label exceeds	Press feed key back to standby
	Cutting test	Test the cutter function	Errors will be reported
	Restore factory default	Is there a need to restore Factor sets? Y/N 0: NO 1: YES, Files that have been downloaded and stored will also be retained and not cleaned up	Default: 0
	Firmware update	Automatically list firmware files, select files and confirm whether to read the firmware specified in the U disk for updates? 0: Printer firmware 1: Display Firmware 2: Display Picture Pack 3: Display screen specific page	Default: 0
	Touch screen calibration	Five-point calibration at four corners plus center points	

Main menu		Submenu	Parameter	Remark
Advance 	Configuration 	Printer settings information	Print out the current printer settings information	
		Built-in glyph list	Print out all built-in glyph models	
		built-in barcodes list	Print out all barcode models	
		List of user flash files	Print a list of user flash files	
		List of user memory files	Print a list of user memory files	
	Smart Printing 	External USB disk	Reformat 0: NO 1: YES	Default: 0
		File Management	List display/copy/delete/start label format printing on specified memory/picture/font/database/firmware I: \.. (Internal Flash) U: \iDPRT\... (External USB Storage)	Default: list
		Auto Form	The selected label format runs automatically after the printer is turned on 0: No 1: Yes	Default: 0

Appendix II Warning

Problem	Solution
Form is not found 	Check if the files are exactly stored in the memory device.
Image is not found 	Check if the image is exactly stored in the memory device.
Fonts is not found 	Check if the font is exactly stored in the memory device.
No F/W found 	Firmware files are not stored in the USB storage when updating the firmware.
No Battery Found 	Battery is not installed in the printer when setting time and date. Check if the battery power runs out or not installed well.

Problem	Solution
Password Error 	Wrong password is entered. Enter the correct password to modify the protected parameters.
USB storage Lock 	Printer cannot write the data to the USB storage. Unlock the USB storage.
No USB storage found 	There is no USB storage installed in printer when updating the printer. Check if the USB storage is well inserted in printer.
No Cutter Found 	Cutter is not installed on printer when execute the cutter test.
Ethernet Error 	Ethernet port is disconnecting.
Flash ROM Full 	Internal flash ROM is full. Delete un-necessary files to store the current files.

Problem	Solution
Found No Bluetooth 	There is no Bluetooth module installed in the printer.
Found No WiFi 	There is no WiFi module installed in the printer.
Material too thick 	Material is too thick or hard, cutter takes longer time to return the blade to the initial position after cut.

Appendix III Icon Description

Icon / Status Description	Icon / Status Description
Printing:  Printer is printing something.	Wait label taken:  Wait to peel the printed label to print the next label.
Feeding:  Feeding the Label.	Wait on Demand:  Wait to press the feed button print the next label.
Cancel Printing:  Cancel the current printing job.	Saved:  Save the change of parameters to printer.
Pause Printing:  Pause the current printing job	Dump Data printing:  Catch the data from communication port and send to printer to print out. s

Icon / Status Description	Icon / Status Description
Media Calibration:  Press the feed button to calibrate the label.	Receiving Data:  As soon as all the data has been received, the printer will automatically resume operation.
Reboot firmware:  Restart printer.	Formatting USB mass storage:  Printer is creating the needed folders and control files to the USB mass storage.

Appendix IV Trouble Shooting

Error	Resolution
Found no Gap: 	1.Ensure the see-through sensor type is selected correctly. 2.Adjust the media sensor box to correct position. 3. Clean the receiver sensor and emitter sensor. 4. Ensure the label gap size is not out of from 2mm to 15mm. 5. Use “Media Sensor Printing” to verify the sensing signal from the media.
Found no Black Mark: 	1.Ensure the reflective sensor type is selected correctly 2.Adjust the media sensor box to correct position 3.Black Mark height range: 3mm-30mm. Width minimum 10mm 4.Use “Media Sensor Printing” to verify the sensing signal from the media
Paper Out: 	Reload new media roll.
	Reload new ribbon roll.
Ribbon Out: 	Remove the ribbon or configure the printer for thermal transfer media.
Ribbon Steady: 	Remove the ribbon or configure the printer for thermal transfer media.

Error	Resolution
Print Head Open: 	Close the printer cover.
Firmware Update Fail: 	Re-update the firmware.
TPH Fail: 	Replace a new TPH.
Command Error: 	Press Feed key to clear this error, and make sure the next input commands are supported by the printer.
Cutter Jam: 	Check if labels stick in cutter and then clear up the adhesive from cutter blade.

Error	Resolution
Print Head is over-heat: 	Just wait for the TPH cool down and then continue printing automatically.
Write error: 	Ensure the mass storage is installed and formatted properly.
Write protected : 	Ensure the write protection is disable from the mass storage.
Paper Jam: 	Clear the jammed paper from the paper through path.

Appendix V Download Path for UTILITY and Driver

1. Enter the website in browser: <http://www.idprt.com>
2. Select the “DOWNLOAD” to get the Utility and Driver.



FCC-DECLARATION OF CONFORMITY

Product

We, Xiamen Hanin Electronic Technology Co., Ltd. declare that the product conforms to the following specification: FCC Part 15, Subpart B Class A digital device.

This device complies with Part 15 of the FCC rules. Operation is subject to the following Two Conditions:

- This device may not cause harmful interference;
- This device must accept any interference received, including interference that may cause undesired operation.
- The user is cautioned that any changes or modification not expressly approved in this manual could void the user's authority to operate the equipment. To ensure compliance, this printer must be used with shielded communication cables.
- Use only power supplies listed in this manual and /or recommended and approved in this manual.

EC DECLARATION OF CONFORMITY

Manufacturer certifies that the following designated product

Type of product

Thermal Transfer label/Direct Thermal Label Printer

It is in conformity with the standards

Test standard information

Under the Council Directive: (LVD) Directive 2014/35/EU relating to electrical equipment designed for use within Low Voltage Directive.

EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013

Under the Council Directive: (EMC) Directive 2014/30/EU relating to Electro Magnetic Compatibility.

EN 55032:2015

EN 55024:2010

EN 61000-3-2:2014

EN 61000-3-3:2013

We declare herewith that as a result of the way in which the device designated below was designed, the type of construction and the devices which, as a result have been brought on to the general market comply with the relevant fundamental regulations of the EC Rules for Safety. And we declare herewith the below mentioned model is conformity with Directive 2014/30/EU and 2014/35/EU. In the event of any alteration which has not been approved by us being made to any device as designated below, this statement shall thereby be made invalid.

The declaration is sole responsibility of the manufacturer

Name of manufacturer

Xiamen Hanin Electronic Technology Co., Ltd.



Please refer to the attachment for details of FCC certification.