

MP4000D User Manual



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Chapter 1 About the Guide

Introduction

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 BarTender Ultralite are also included in the manual.

Statement

This manual content may be altered without permission, and our company reserves the rights to make changes without notice in technology, spare parts, hardware and software of the products. If more information is needed about the products, please contact our company. Without any written permission from our company, any section of this manual is prohibited to be copied or transferred in any form.

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

Introduction

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

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.

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.
- Please 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 always easily accessible.

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 2 Getting Started

Introduction

This chapter describes product information and instruction of device for the first time.

2.1 Unpacking

To unpack the device:

1. Carefully remove all protective material from the device and save the shipping container for later storage and shipping.
2. Verify that the following items were received:

MP4000D Device×1

AC Adapter×1

Power Cord×1

USB cable×1

Label Roll×1

Ribbon Spindles×1

Ribbon×1

Empty Ribbon Core×1

Quick start guide×1

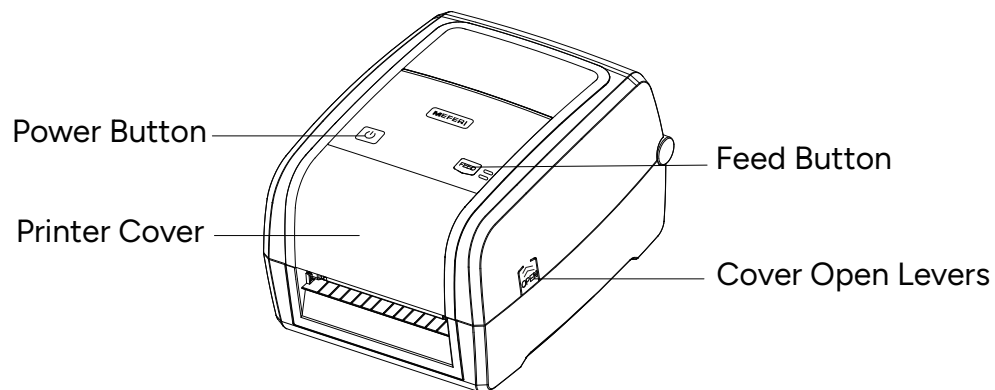
3. Inspect the equipment for damage. If any equipment is missing or damaged, contact customer support center immediately.



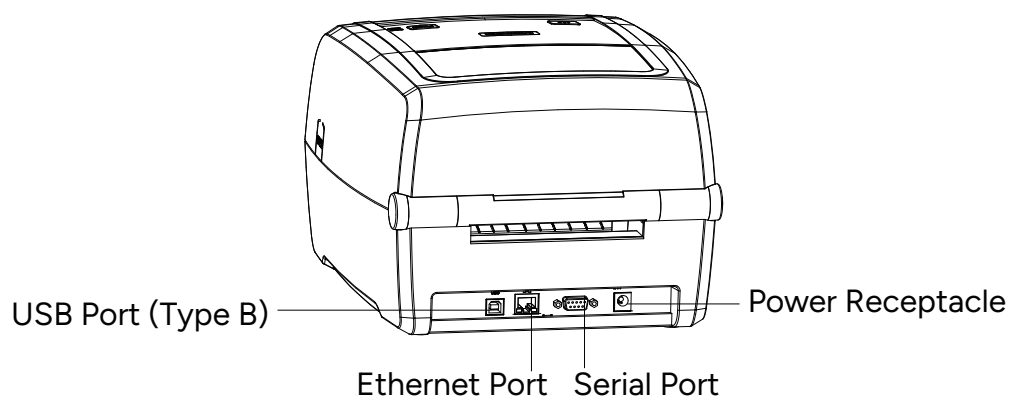
Note: The packing materials are based on the order.

2.2 Appearance and Components

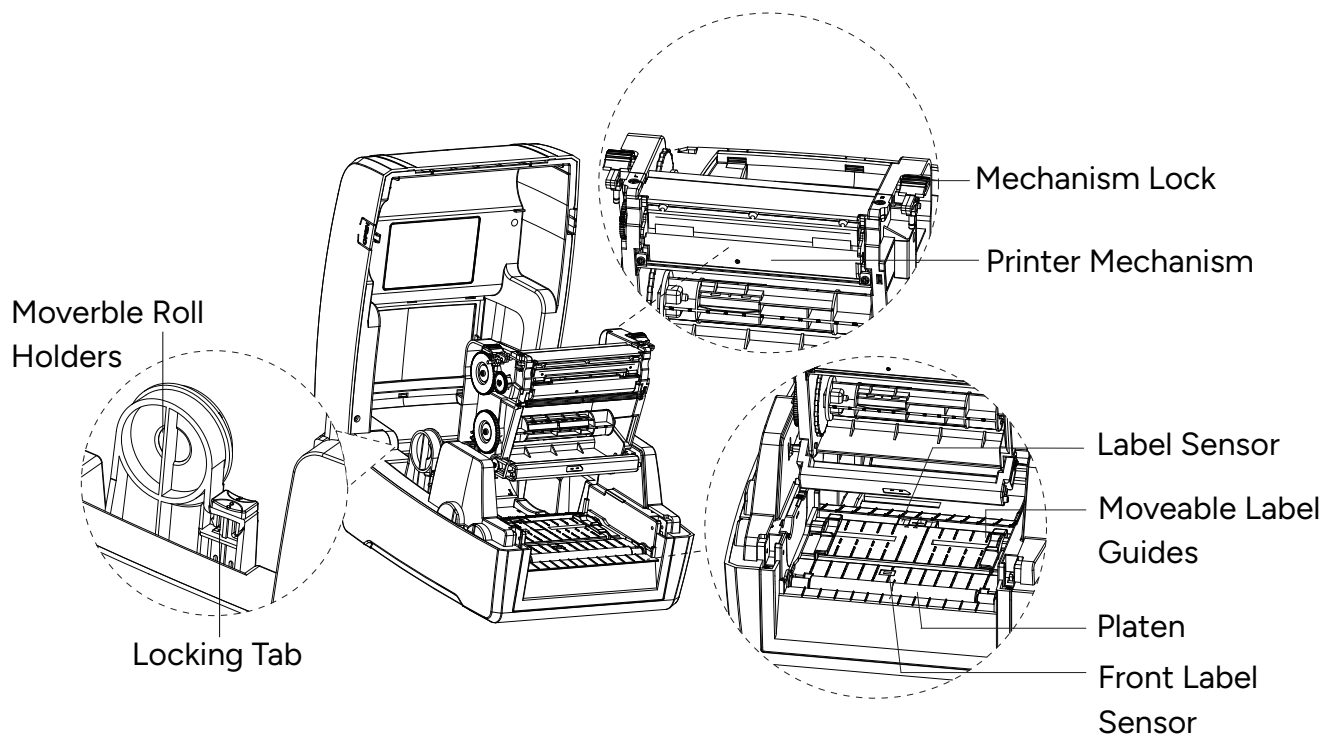
Front View



Rear View

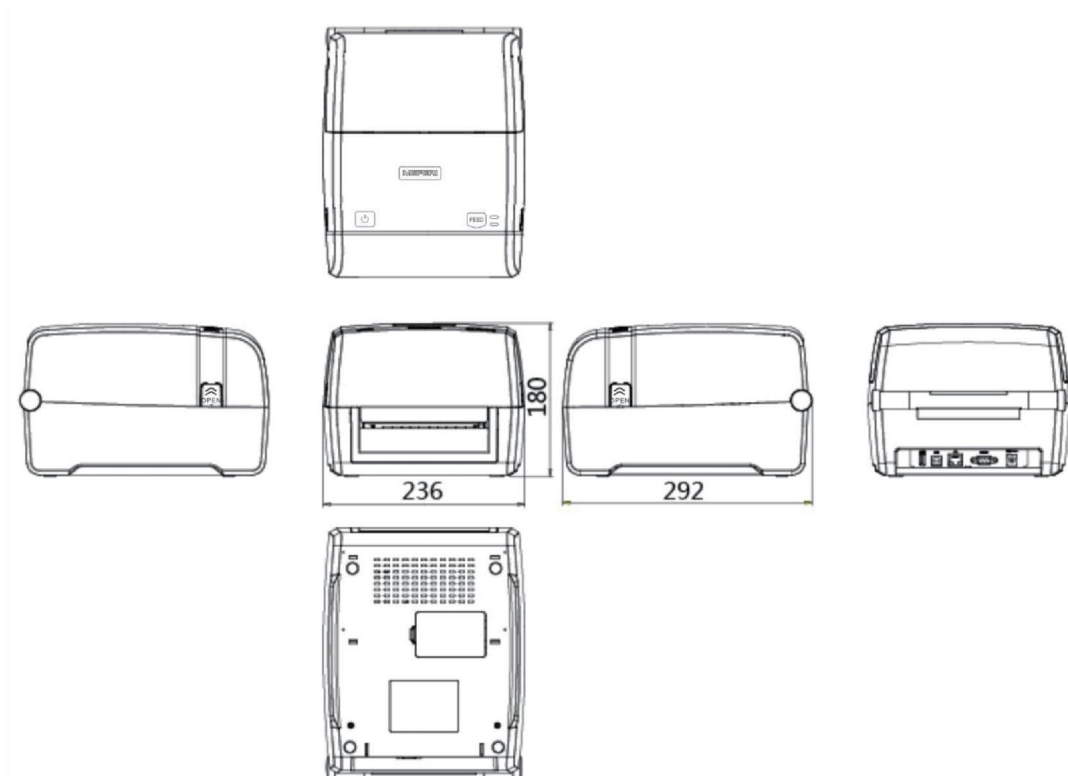


Components



Note: The packing materials are based on the order.

2.3 Dimension

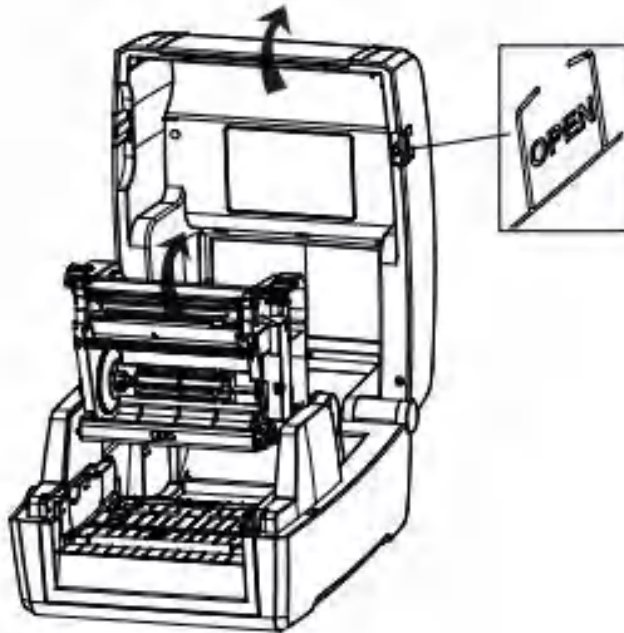


Chapter 3 Installation & Usage

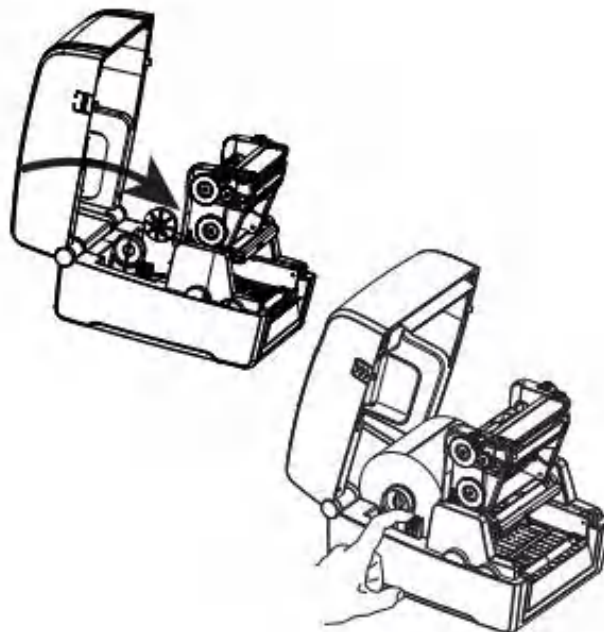
3.1 Media Loading

3.1.1 Loading the Roll

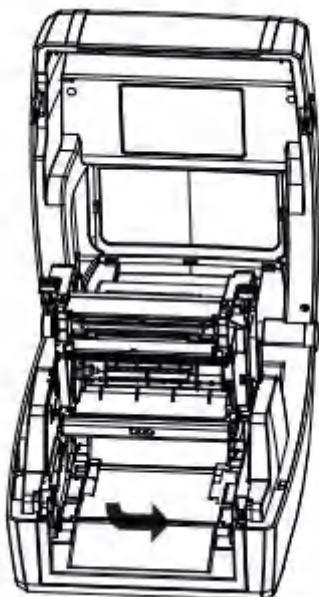
1. Press **Cover Open Levers** to open the printer cover and mechanism.



2. Pull the **Movable Roll Holders** open and place the **Label Roll** between them. And press down the **Locking tab**.



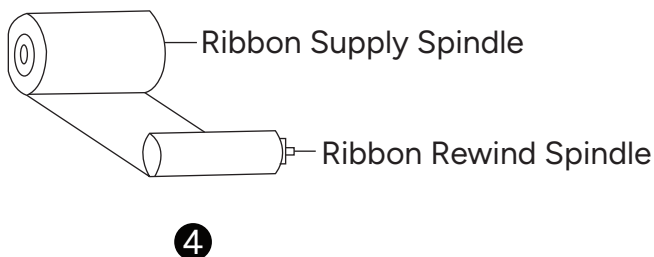
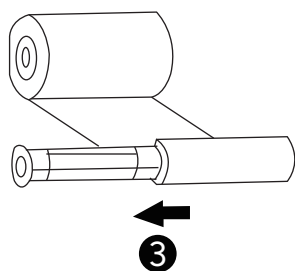
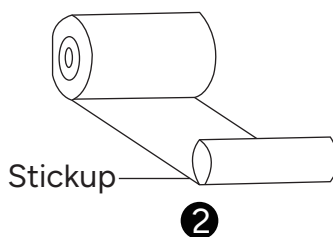
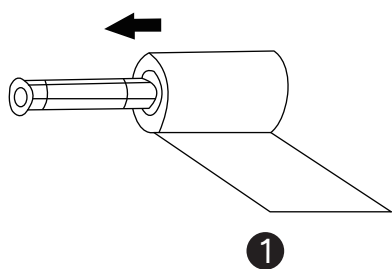
3. Pass the labels through **Moveable Label Guides** and adjust label guides to label's width.



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

3.1.2 Loading the Ribbon

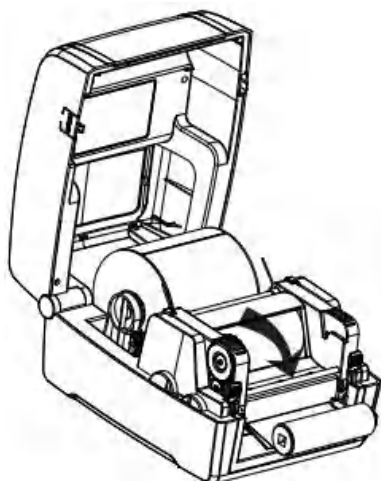
1. Install the ribbon module.



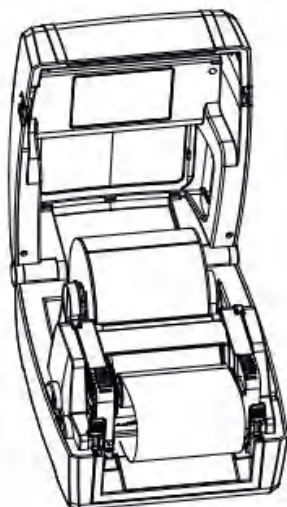
2. Insert the left part of supply spindle and then the right part.



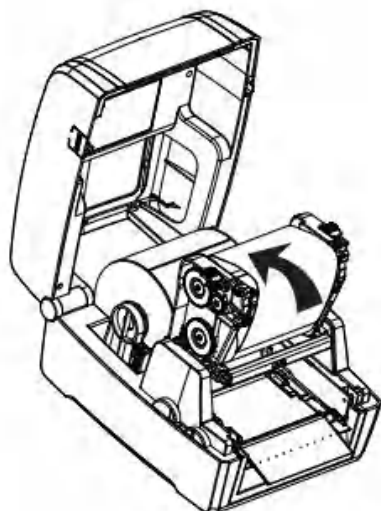
3. Press down the **Printer Mechanism**.



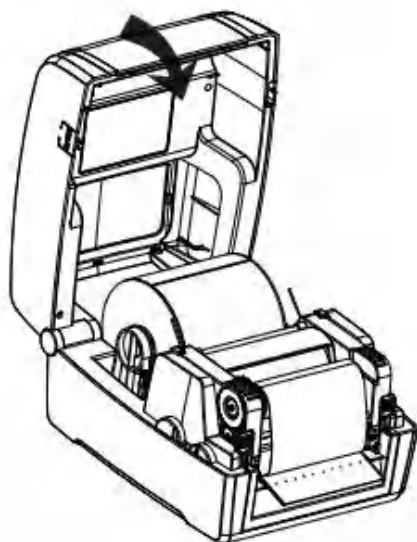
4. Insert the left part of rewind spindle and then the right part.



5. Wind the core 2~3 circles until the ribbon is pulled tightly.

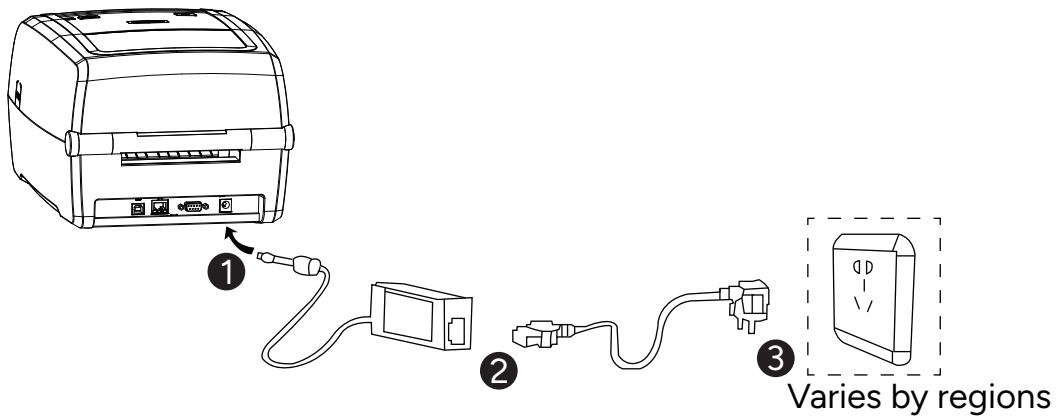


6. Fix the mechanism and close the cover.



3.2 Power Connection

1. Connect the AC adapter to power receptacle.
2. Connect the power cord to AC adapter.
3. Connect the other end of power cord to the outlet.



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

3.3.1 Interface Cable Connection

1. The standard for the printer's interface cable shows as follows:

- USB A-Type cable
- USB B-Type cable
- RS-232C cable
- RJ45 cable

2. Based on your own need, follow the instructions to connect the cable.

1) Make sure the printer's power is off.

2) Please plug in the cables.

- Insert the USB A-Type cable into the USB(type A) interface.
- Insert the USB B-Type cable into the USB(type B) interface.
- Insert the RS-232C cable into the serial interface.
- Insert the RJ45 cable into the ethernet interface.

3.3.2 Bluetooth Connection

PDA with Bluetooth interface, laptop and other information terminals can drive the printer. Instructions show as follows:

1. Power on the printer.
2. Primary device searches for outer Bluetooth devices.
3. If there are other Bluetooth devices, select the printer's name.
4. Finish pairing.

If you need more detailed information of pairing methods, please refer to the instructions of Bluetooth device.

After pairing, primary devices with virtual Bluetooth interface (smart phone, tablet, pocket PC, palm, notebook) can drive the printer to print labels through 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 triangle below (Figure 2), which is the original position.

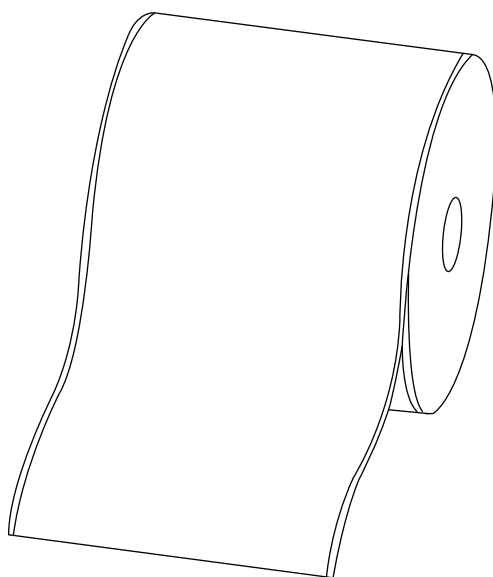


Figure 1 (Continuous Paper)

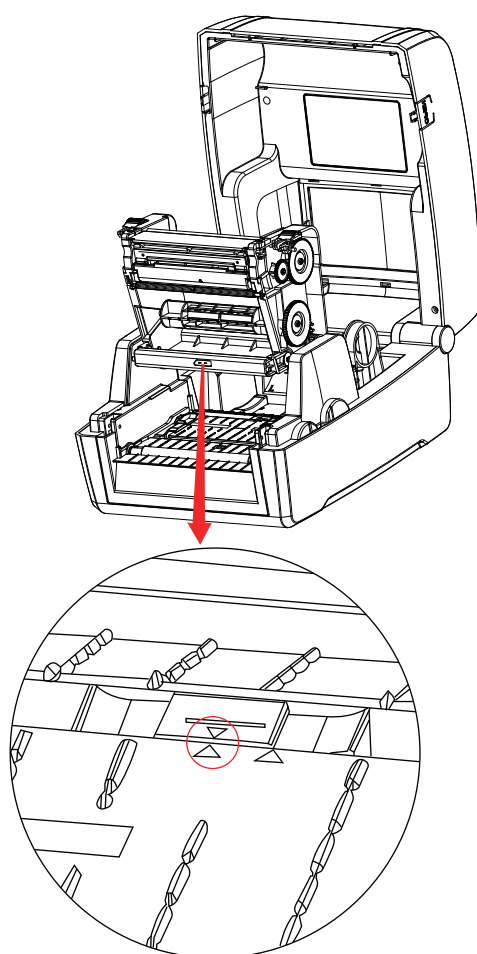


Figure 2 (Left)

3.4.2 Labels

When printing labels (Figure 3) or double-row labels (Figure 4), the sensor shall be aimed at the left triangle below (Figure 5), which is the original position.

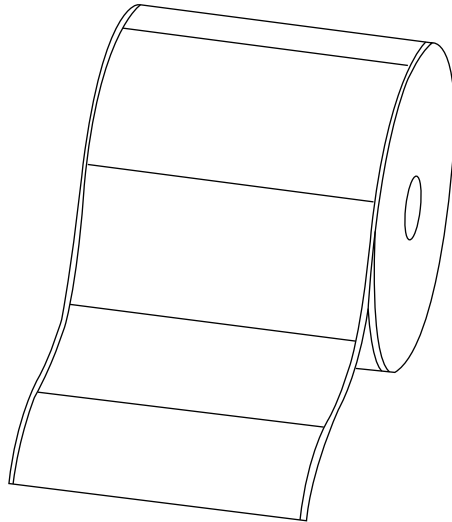


Figure 3 (Labels)

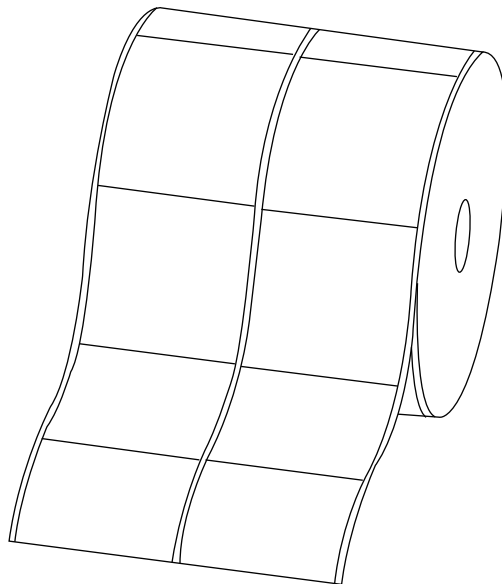


Figure 4 (Double-row Labels)

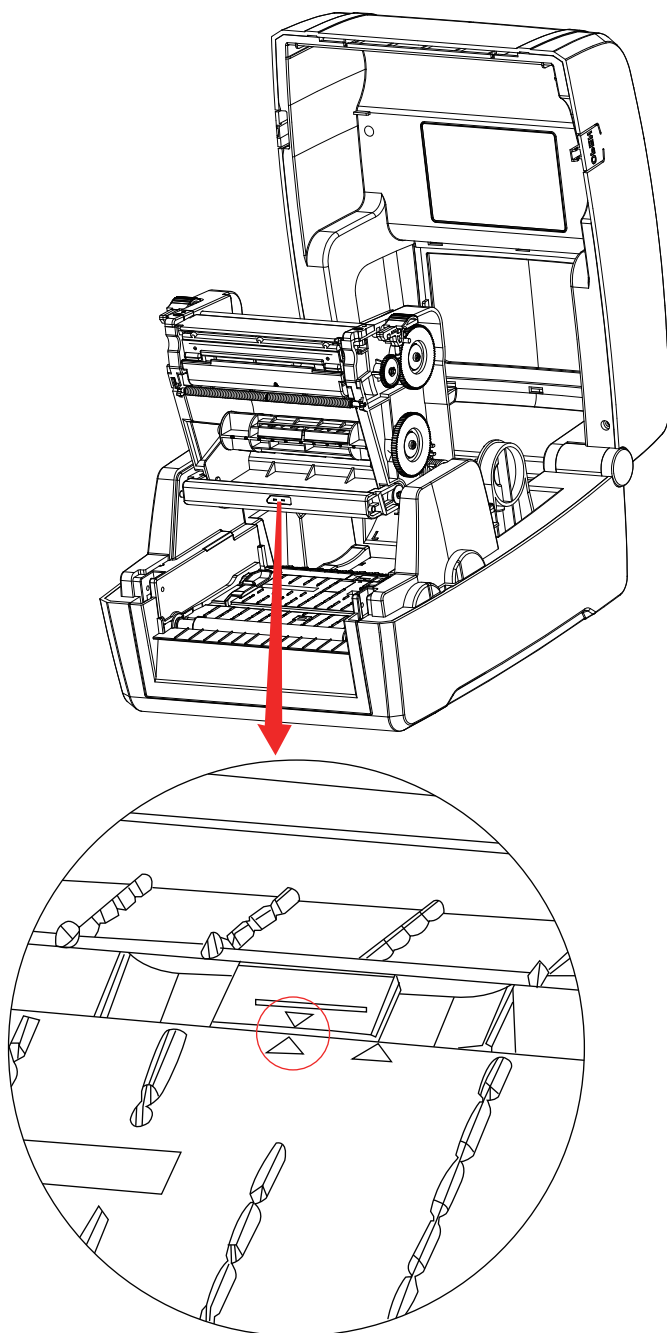


Figure 5 (Left)

3.4.3 Punched Hole Label

When printing punched hole labels, move the sensor until it's aimed at the right triangle below (Figure 6).

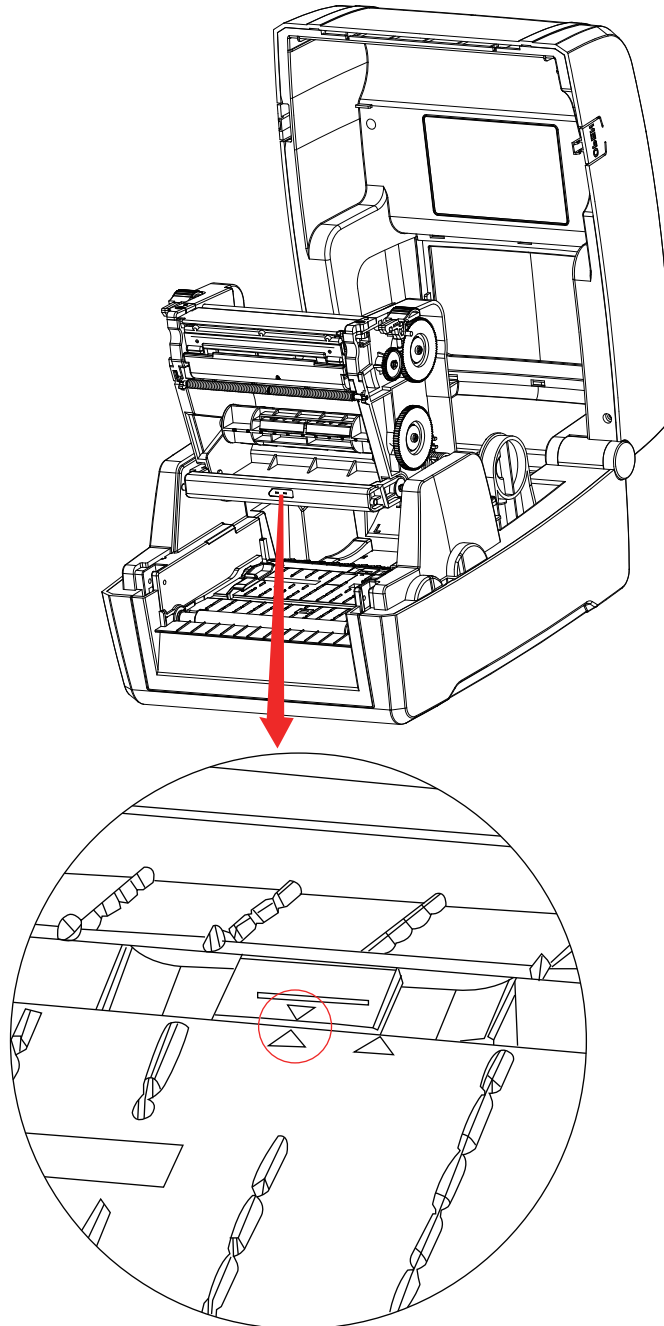


Figure 6 (Right)

3.4.4 Blackmark Paper

When printing blackmark paper (Figure 7), the sensor shall be aimed at the position of black mark (Figure 8).

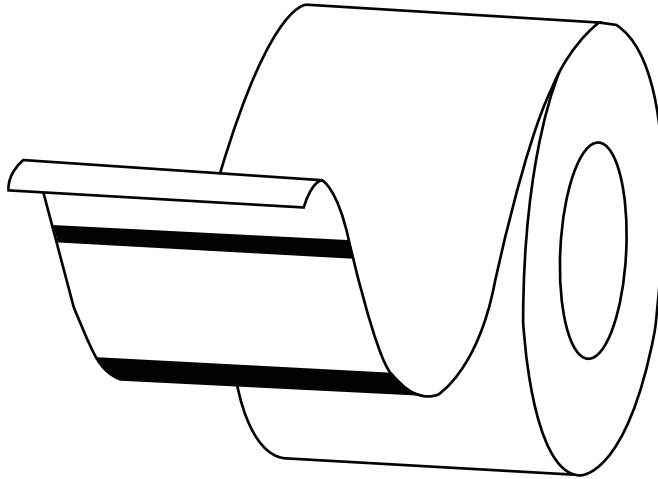


Figure 7 (Blackmark Paper)

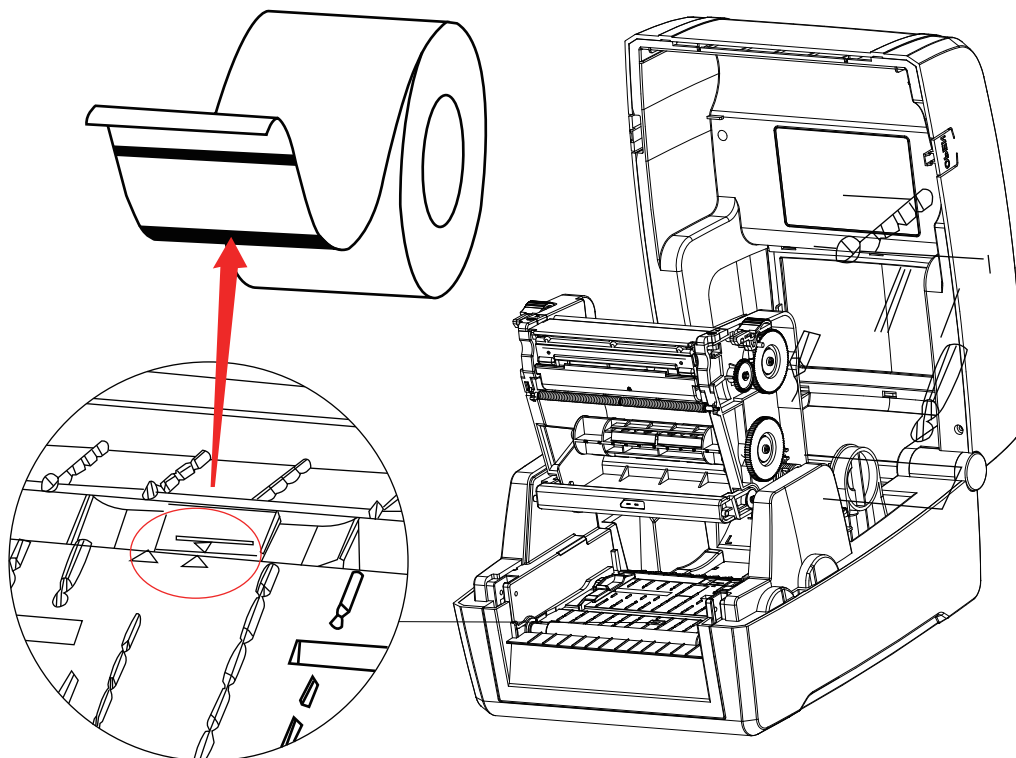


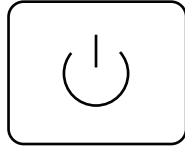
Figure 8 (aimed at blackmark's position)

3.5 Operation Panel

3.5.1 Panel Introduction

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

1. Power Button



Much more detailed information is provided in "3.6.1 Power On/ Power Off".

2. Feed Button



Much more detailed information is provided in "3.6.2 FEED Button".

3.5.2 Indicator Status

Indicating Status	Power light	Status light	Buzzer
No power on	Green light is always on	Off	/
Standby	Green light is always on	Off	/
Printing/data receiving	Green light is always on	Green light flashes quickly	
Label positioning/media detection calibration	Green light is always on	Green light is always on	/
Wait for manual operation(FEED Button/Paper pickup detection)	Green light flashes slowly	Green light flashes slowly	/
Printing	Green light is always on	Off	/
Out of Ribbon	Green light is always on	Yellow light is always on	Bee 1.5s, stop 2s, repeat
Printing is stopped	Green light is always on	Yellow light flashes slowly	/
Program downloading and refreshing	Green light is always on	Yellow light flashes quickly	/
Out of paper	Green light is always on	Red light is always on	Bee 1.5s, stop 2s, repeat
Uncovering	Green light is always on	Red light is always on	/
Abnormal positioning/paper jam	Green light is always on	Red light flashes quickly	Bee 0.2s, stop 0.2s, bee 0.2s, stop 0.2s, bee 1s, stop 2s, repeat
Abnormal cutter	Green light is always on	Red light flashes slowly	Bee 1s, stop 0.2s, bee 0.2s, stop 0.2s, bee 0.2s, stop 2s, repeat
Print head is overheating	Green light flashes quickly	Red light flashes quickly	/



Note:

Quick flash → 0.2 second / every cycle

Slow flash → 1 second / every cycle

3.6 Basic Function

3.6.1 Power On/ Power Off

1. When the printer is off, press the power button once, and printer will power on.
2. When the printer is on, press the power button for three seconds. After ringing twice, the printer will power off.

3.6.2 FEED Button

1. When the printer is ready, press the feed button, and printer will automatically feed a label under **Label Mode**. Press the feed button, and the printer will feed the fixed distance under **Continuous Mode**.
2. When the printer is printing, press the feed button once and it will stop the printing job. Press the feed button for three seconds and it will cancel the printing job.
3. When the printer pauses, press the feed button once and it will continue the printing job. Press the feed button for three seconds and it will cancel the printing job.
4. When the printer is in dump mode, press the feed button once, then back to the normal printing mode.
5. When the indicator status flashes slowly(green), press the feed button once and printer will print a label.

3.6.3 Quick Calibration

1. 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;
2. Calibration method:
 - a. Carry out the calibration manually.
 - When printer is ready, press the FEED button for 3 seconds 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.
 - b. Carry out the calibration by printer utility tool.
 - Please refer to detailed information in **Chapter 6 Printer Utility Tool Instructions**.



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

3.6.4 Print 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

- Make sure the roll is loaded properly.
- Make sure the top cover of the printer is closed properly. Then turn on the printer.
- 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

- Install the Windows Driver program.
- Set the **Interface** as the type you use.
- Use the Windows Driver Program to print out the **Self-test page**.
- Please refer to **Chapter 7 Seagull Windows Driver Instructions** for more detailed information.

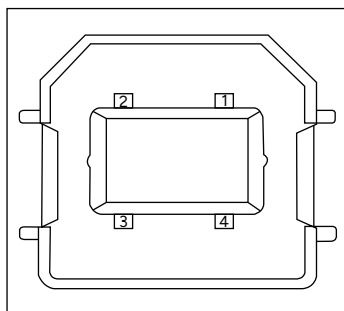
3. Printing by BarTender Ultralite Program

- Install the BarTender Ultralite program.
- Edit a new label and print it.
- Please refer to **Chapter 8 BarTender Ultralite Instructions** for more detailed information.

Chapter 4 Interface

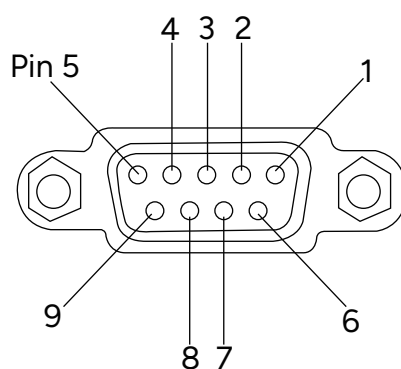
4.1 USB Interface

1. USB (Type B).



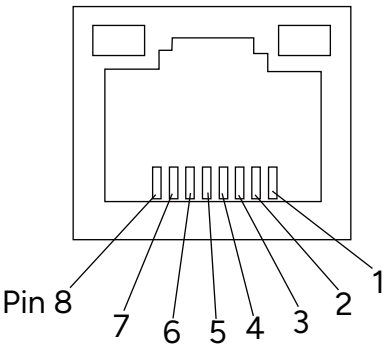
4.2 Other Optional Interfaces

1. Serial Port



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

2. 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.

**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. 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.

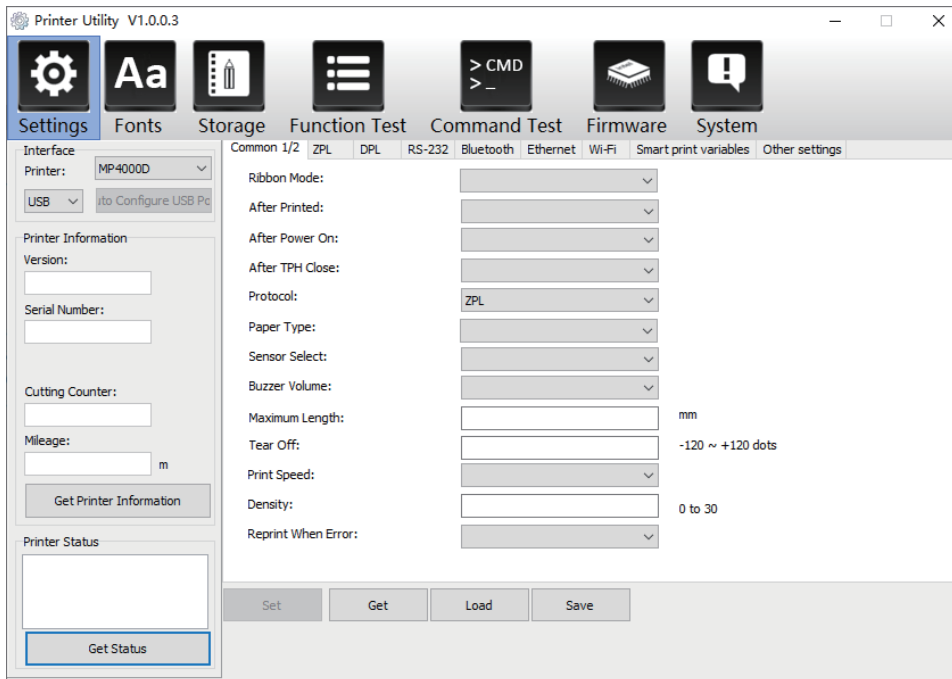
Chapter 6 Printer Utility Tool Instructions

6.1 Installation Preparation

Download application program in CD. eg: MEFERIUtility.exe

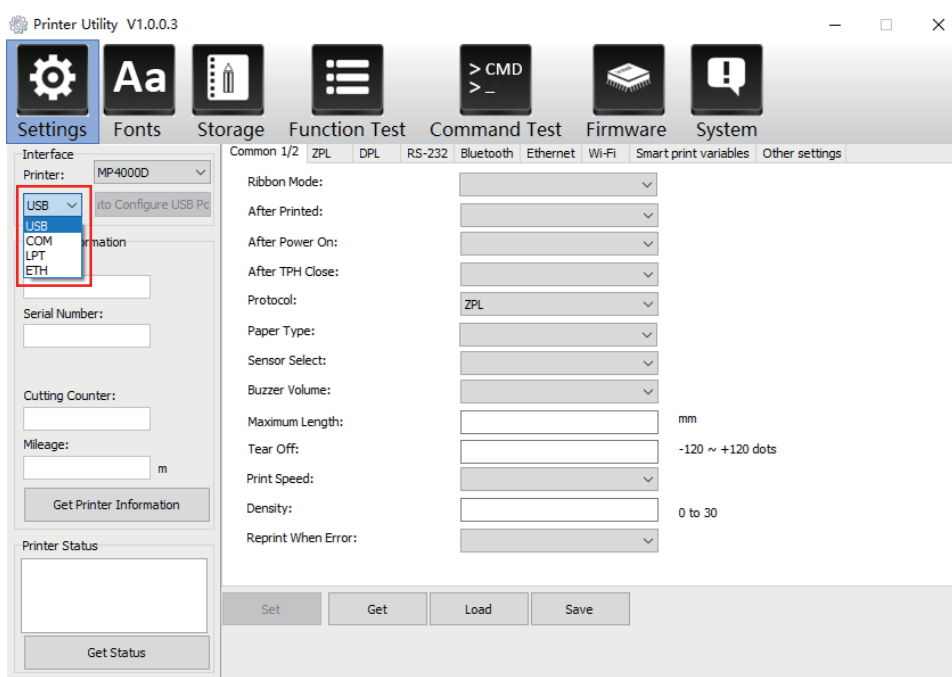
6.2 Usage

1. Install **MEFERIUtility.exe**, then open it. (The screen may vary slightly by different operating systems and models).

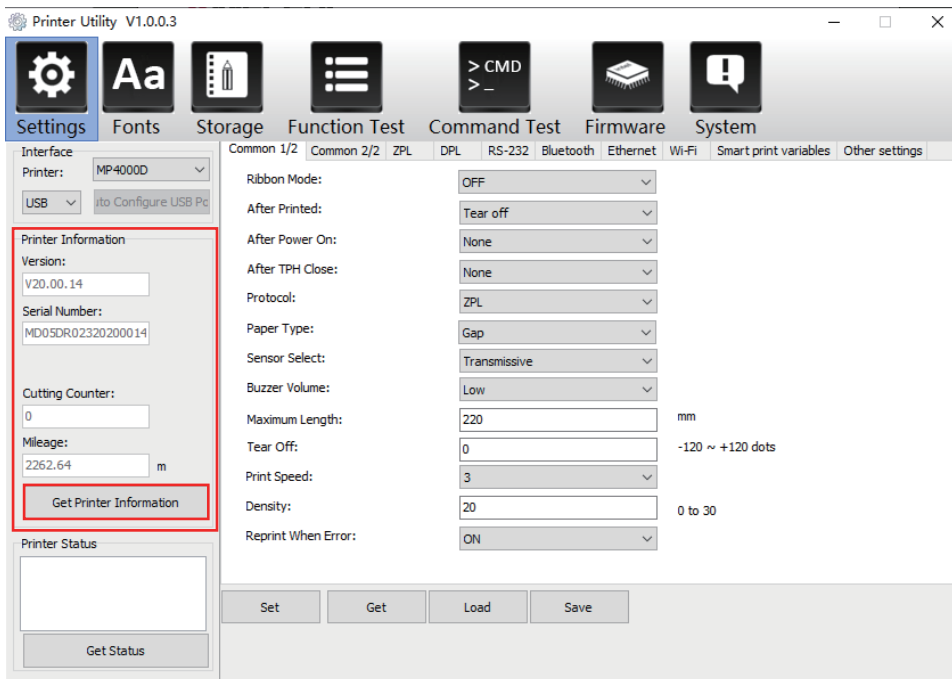


2. Click **Settings**, choose the printer model.

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



- Click **Get Printer Information**, and printer information will show in the above.



Printer Utility V1.0.0.3

Settings Fonts Storage Function Test Command Test Firmware System

Interface Printer: MP4000D USB

Printer Information

Version: V20.00.14

Serial Number: MD05DR02320200014

Cutting Counter: 0

Mileage: 2262.64 m

Get Printer Information

Printer Status

Get Status

Common 1/2 Common 2/2 ZPL DPL RS-232 Bluetooth Ethernet Wi-Fi Smart print variables Other settings

Ribbon Mode: OFF

After Printed: Tear off

After Power On: None

After TPH Close: None

Protocol: ZPL

Paper Type: Gap

Sensor Select: Transmissive

Buzzer Volume: Low

Maximum Length: 220 mm

Tear Off: 0 -120 ~ +120 dots

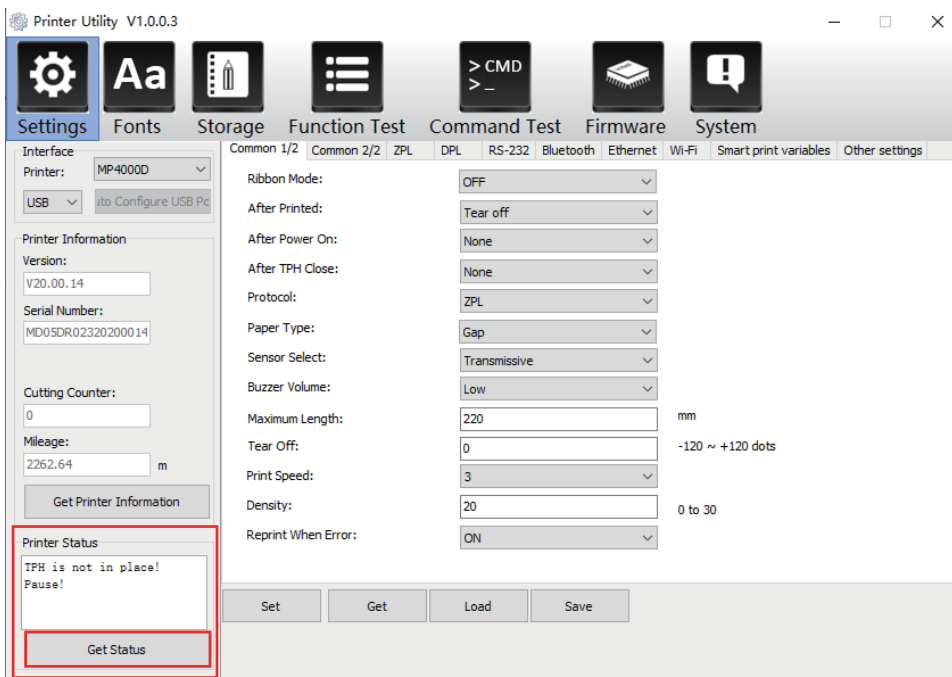
Print Speed: 3

Density: 20 0 to 30

Reprint When Error: ON

Set Get Load Save

- Click **Get Status**, and printer status will show in the above.



Printer Utility V1.0.0.3

Settings Fonts Storage Function Test Command Test Firmware System

Interface Printer: MP4000D USB

Printer Information

Version: V20.00.14

Serial Number: MD05DR02320200014

Cutting Counter: 0

Mileage: 2262.64 m

Get Printer Information

Printer Status

TPH is not in place!
Pause!

Get Status

Common 1/2 Common 2/2 ZPL DPL RS-232 Bluetooth Ethernet Wi-Fi Smart print variables Other settings

Ribbon Mode: OFF

After Printed: Tear off

After Power On: None

After TPH Close: None

Protocol: ZPL

Paper Type: Gap

Sensor Select: Transmissive

Buzzer Volume: Low

Maximum Length: 220 mm

Tear Off: 0 -120 ~ +120 dots

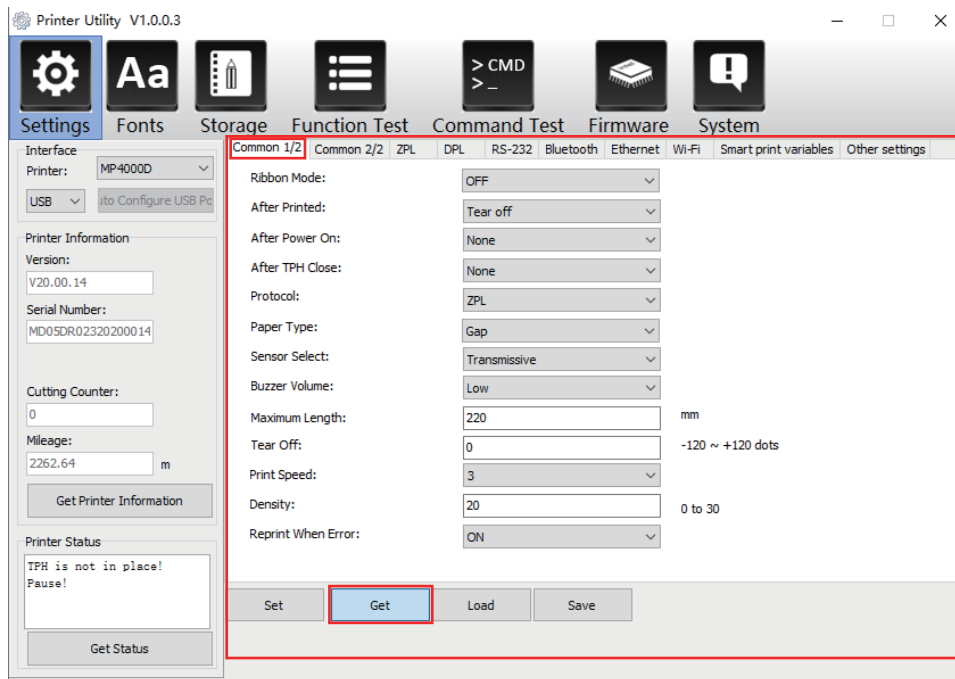
Print Speed: 3

Density: 20 0 to 30

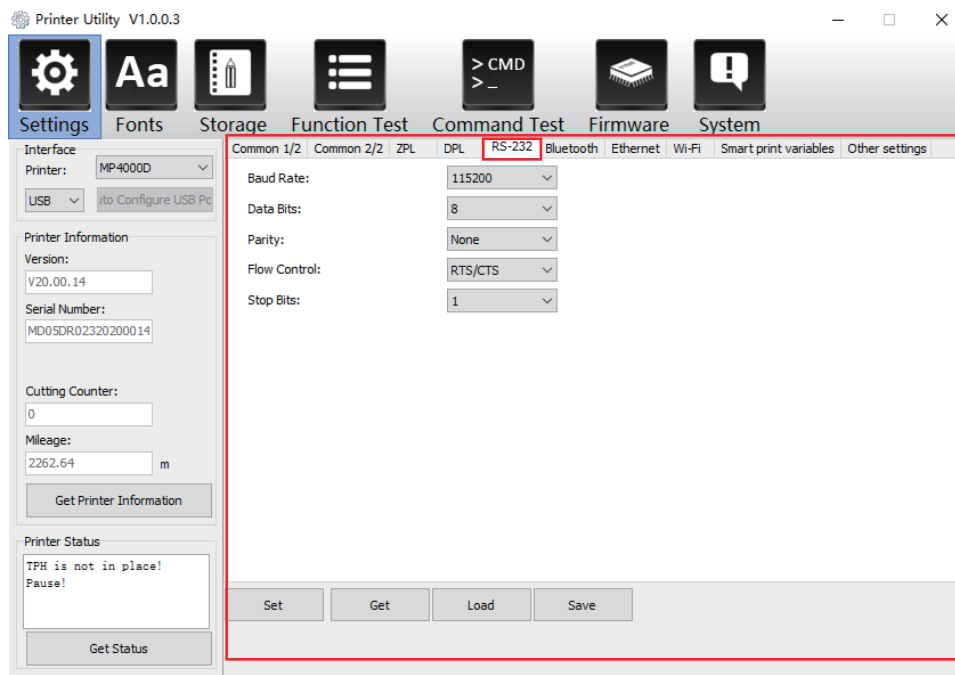
Reprint When Error: ON

Set Get Load Save

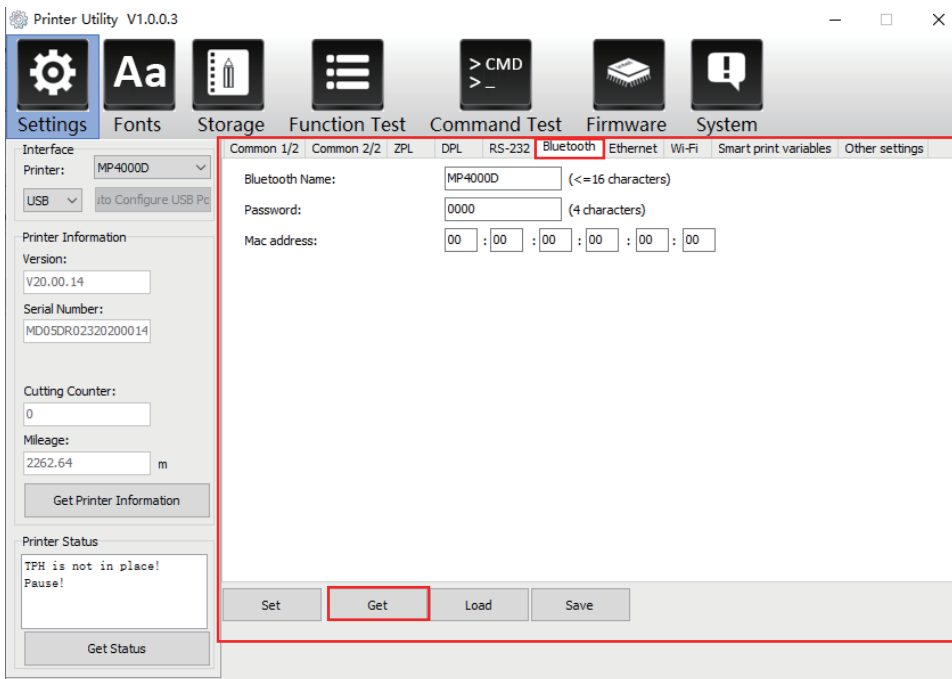
- Choose **Common** and click **Get**. In this menu, user can get the information the protocol, media sensor, speed, density and so on.



- Click **RS-232**, then set up the baud rate, data bits, parity and flow control.



- Click **Bluetooth**, then set up the Bluetooth name and password. Click **Get** to gain the values of Mac address.



Printer Utility V1.0.0.3

Settings Fonts Storage Function Test Command Test Firmware System

Interface: MP4000D
Printer: USB

Printer Information
Version: V20.00.14
Serial Number: MD05DR02320200014
Cutting Counter: 0
Mileage: 2262.64 m
Get Printer Information

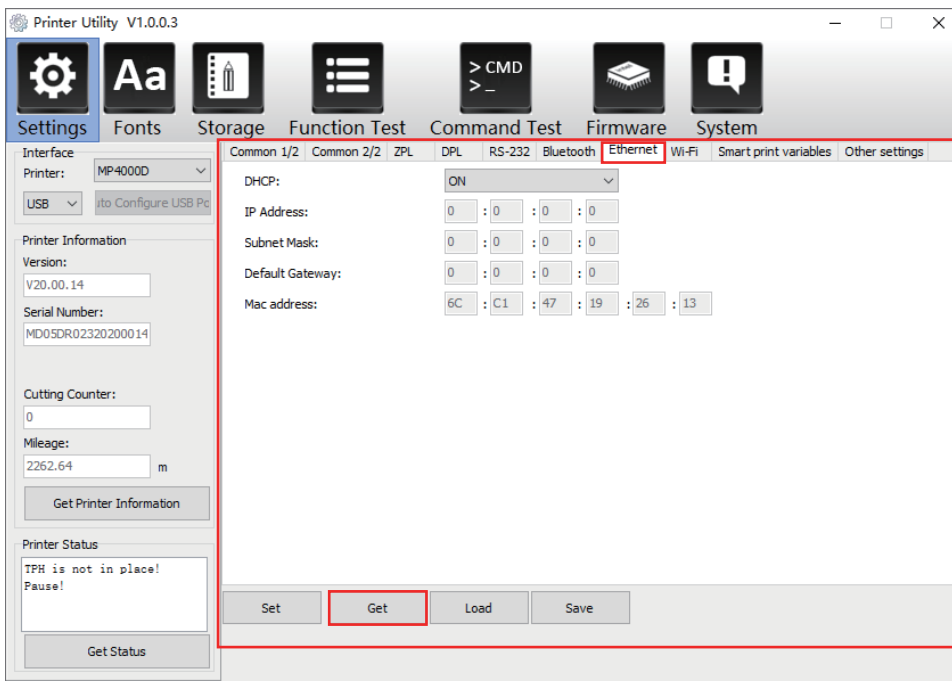
Printer Status
TFH is not in place!
Pause!
Get Status

Common 1/2 Common 2/2 ZPL DPL RS-232 **Bluetooth** Ethernet Wi-Fi Smart print variables Other settings

Bluetooth Name: MP4000D (<=16 characters)
Password: 0000 (4 characters)
Mac address: 00 : 00 : 00 : 00 : 00 : 00

Set Get Load Save

- Click **Ethernet**, then click **Get** to gain the relevant values.



Printer Utility V1.0.0.3

Settings Fonts Storage Function Test Command Test Firmware System

Interface: MP4000D
Printer: USB

Printer Information
Version: V20.00.14
Serial Number: MD05DR02320200014
Cutting Counter: 0
Mileage: 2262.64 m
Get Printer Information

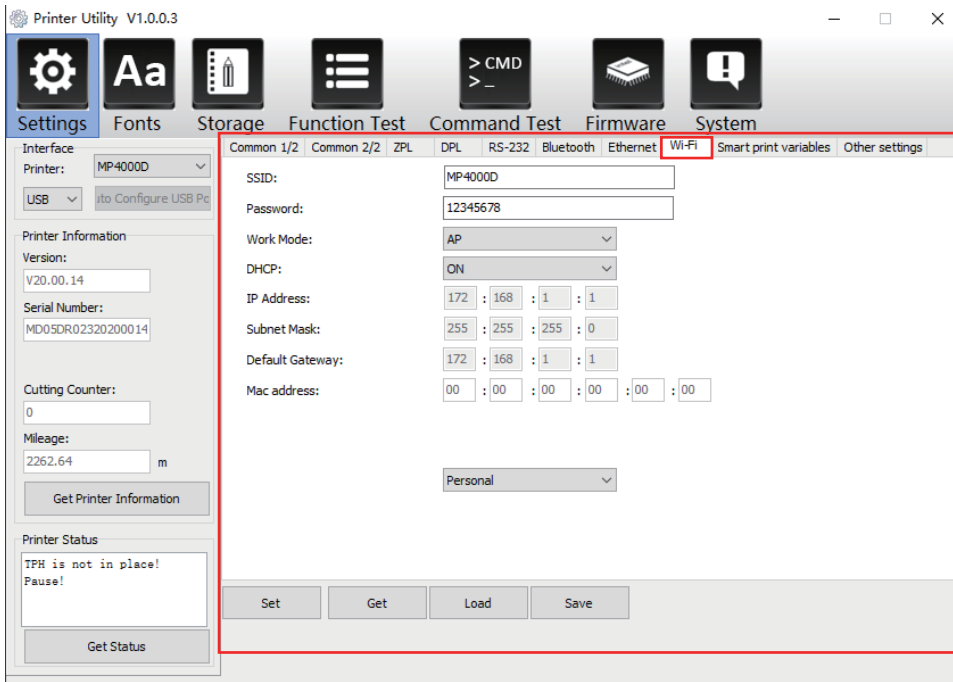
Printer Status
TFH is not in place!
Pause!
Get Status

Common 1/2 Common 2/2 ZPL DPL RS-232 Bluetooth **Ethernet** Wi-Fi Smart print variables Other settings

DHCP: ON
IP Address: 0 : 0 : 0 : 0
Subnet Mask: 0 : 0 : 0 : 0
Default Gateway: 0 : 0 : 0 : 0
Mac address: 6C : C1 : 47 : 19 : 26 : 13

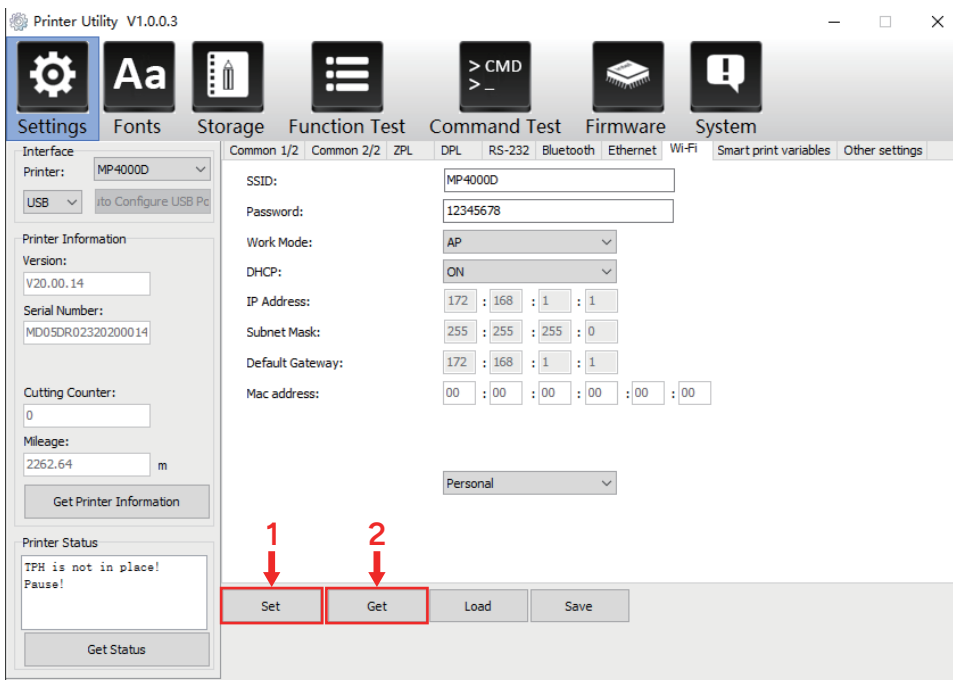
Set Get Load Save

- Click **Wi-Fi**, then set up the name, password and so on.

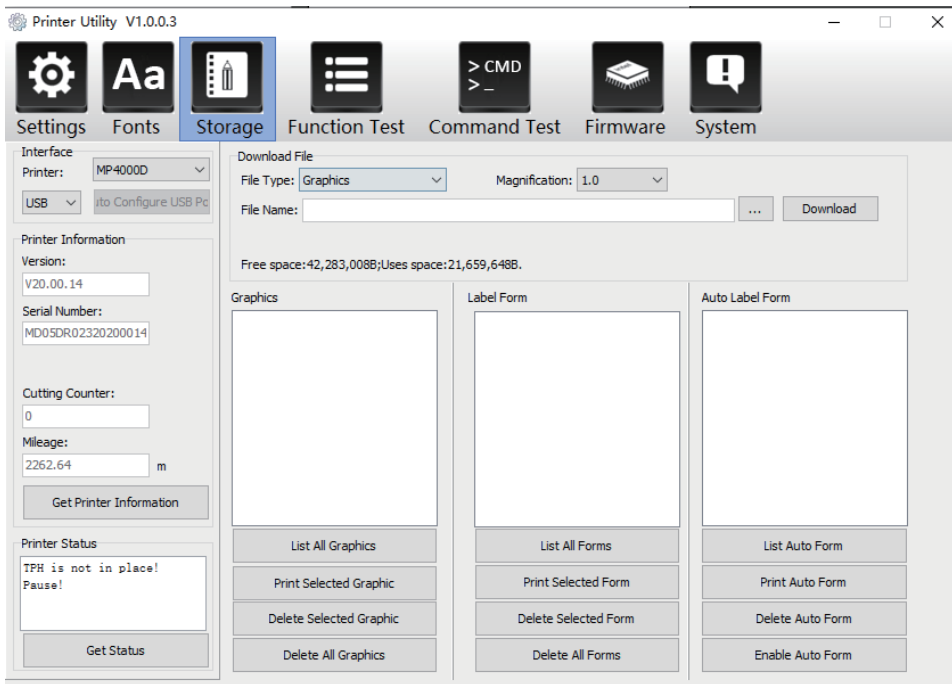



Note:

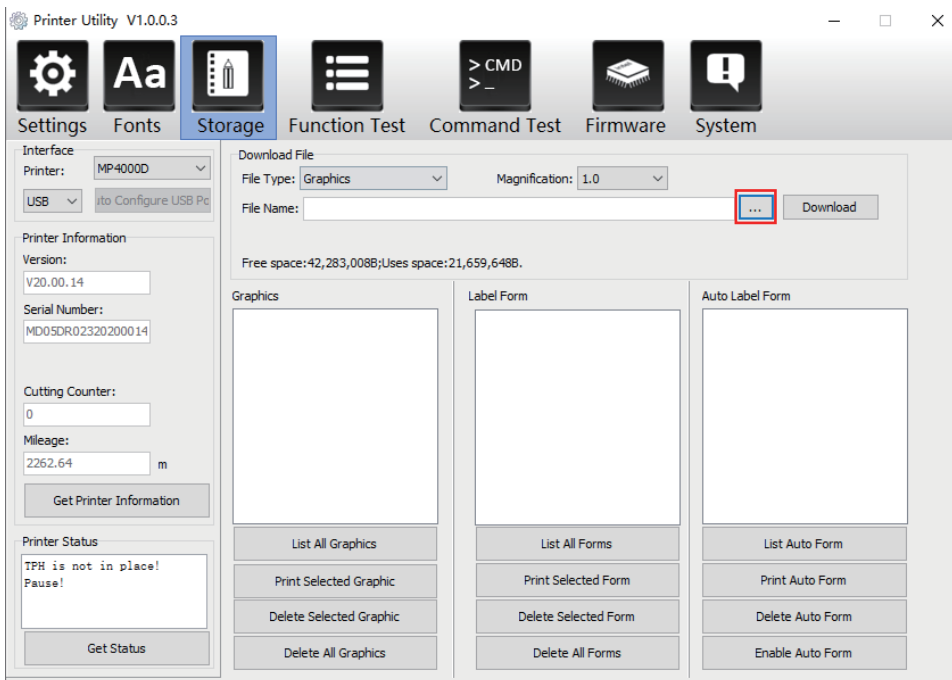
- Finishing all the settings, user can click **Set** to save the values changed.
- Click **Get**, and user will get the default values.



3. Click **Storage** to print image.

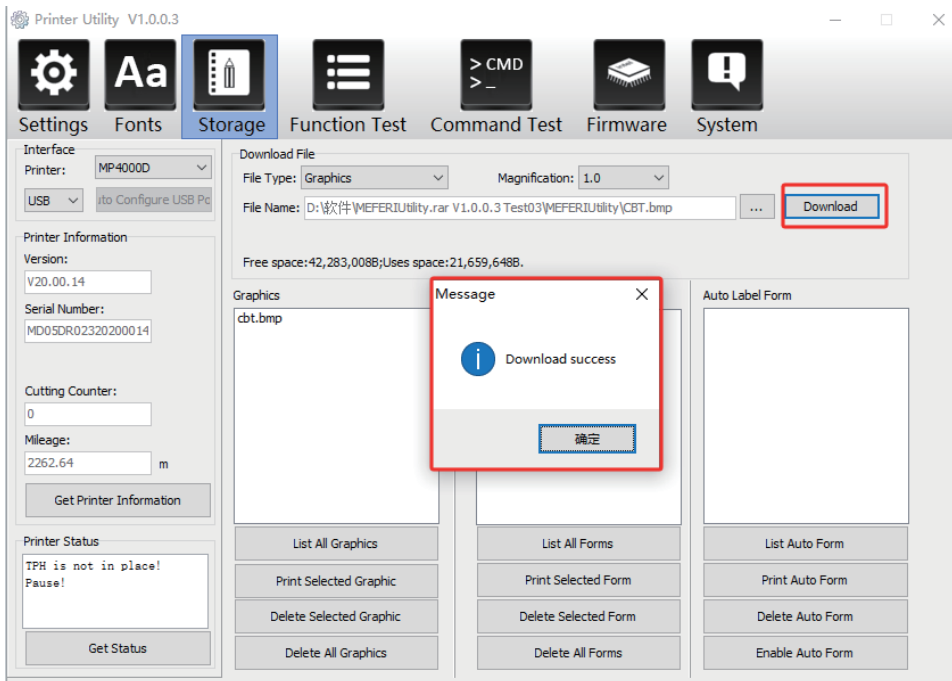


• Click **File Name** to select the image.

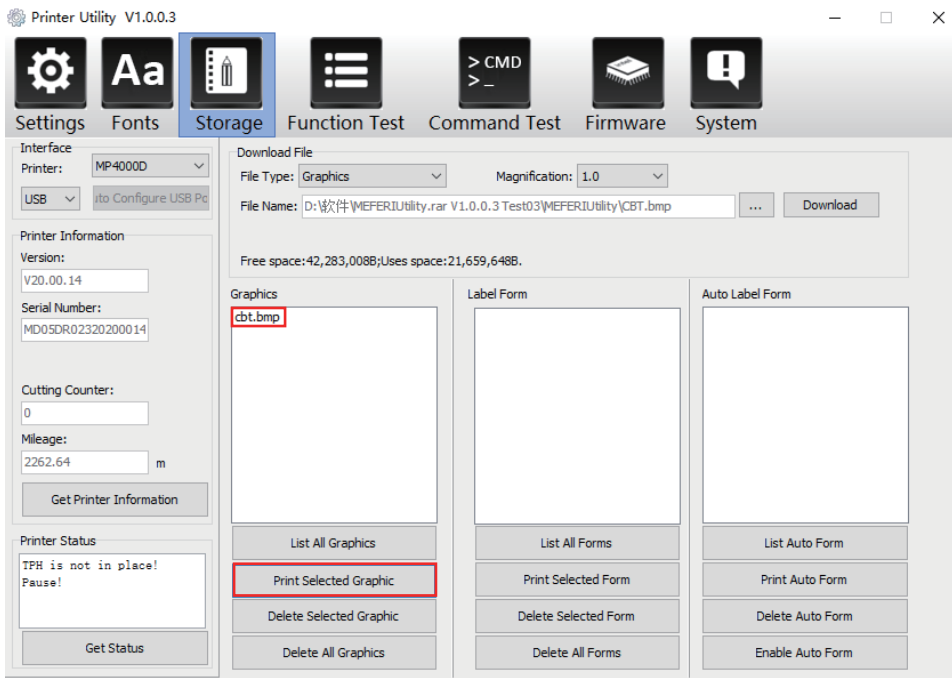


Note: The file name must be in English or number, and the filename length must be less than 32.

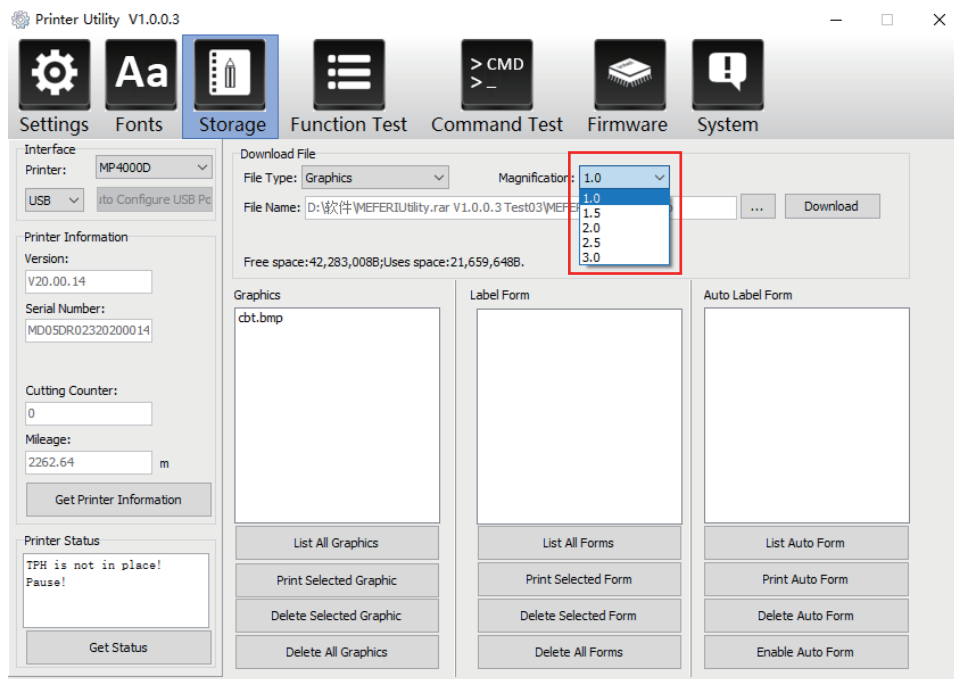
- Click **Download**.



- Select the downloaded graphic, and then click **Print Selected Graphic** to print the picture.

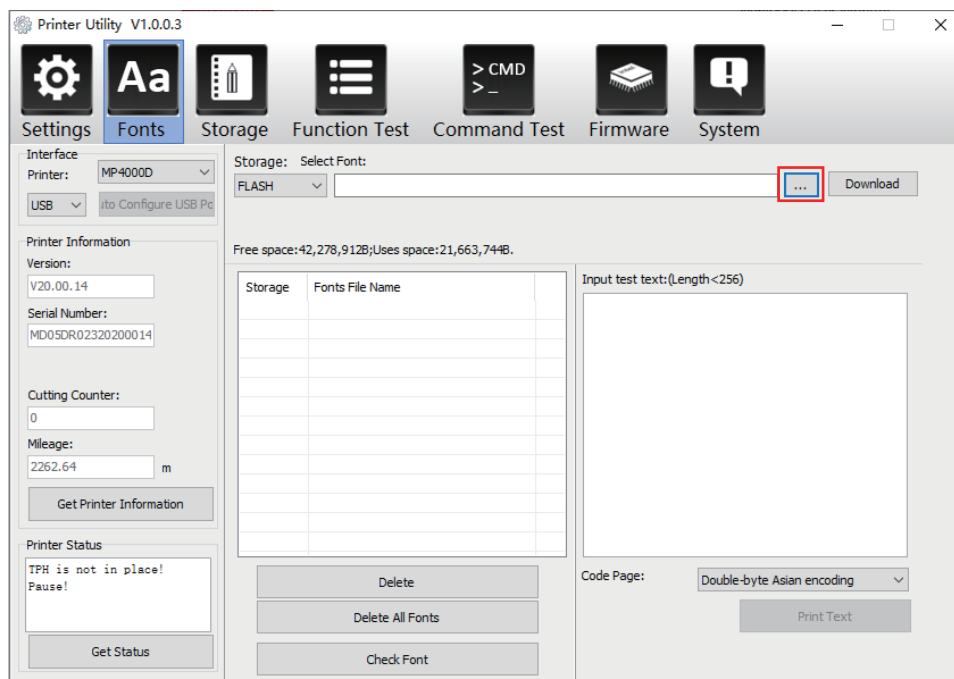


- You can set a magnification of the graphic as needed.

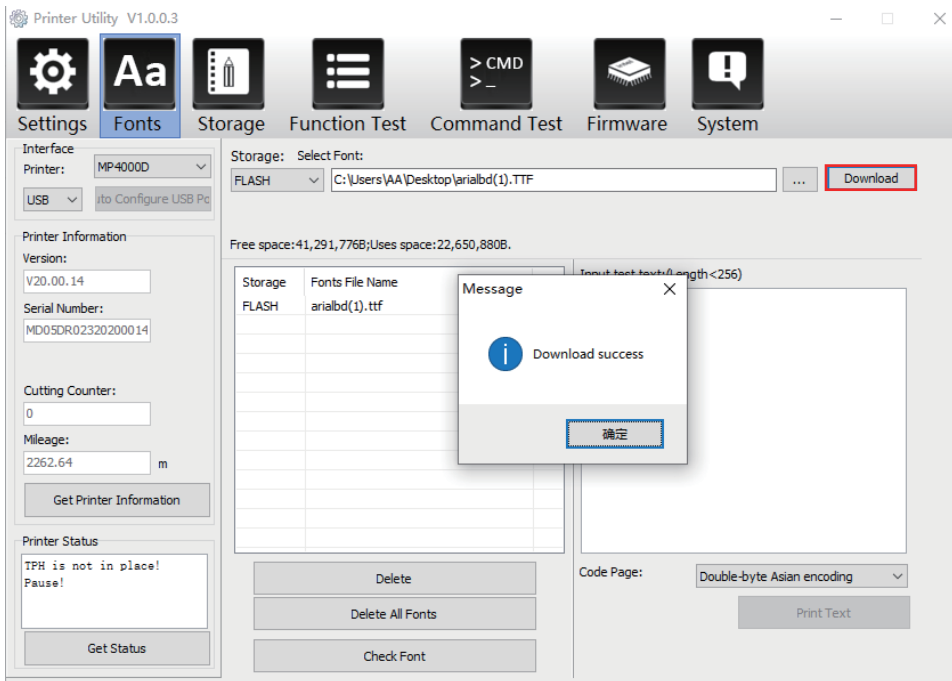


4. Click Download Vector Fonts.

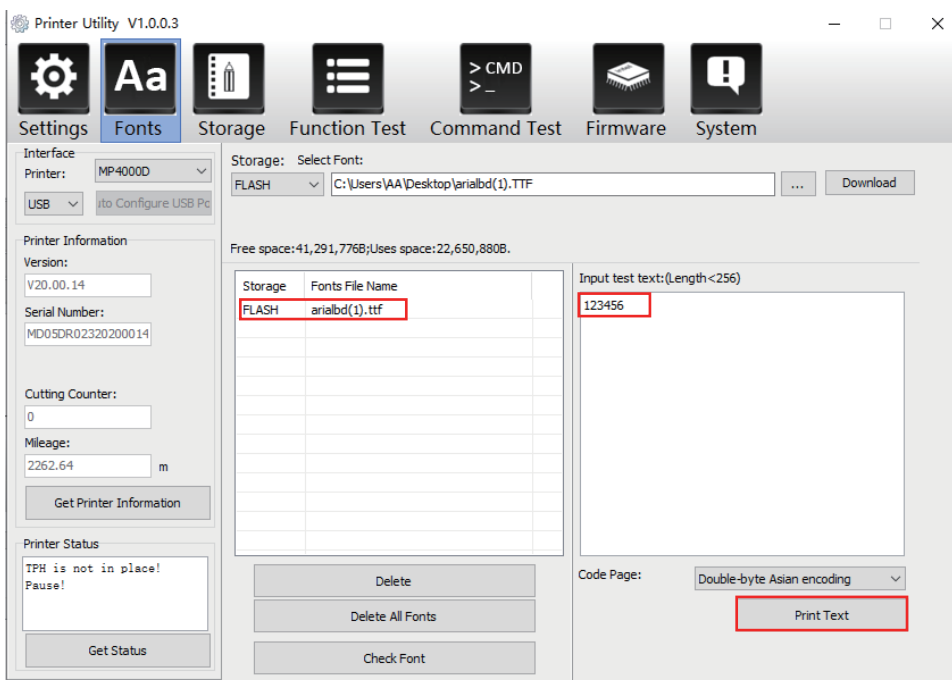
- Click **Select Font** to select the vector font you want.



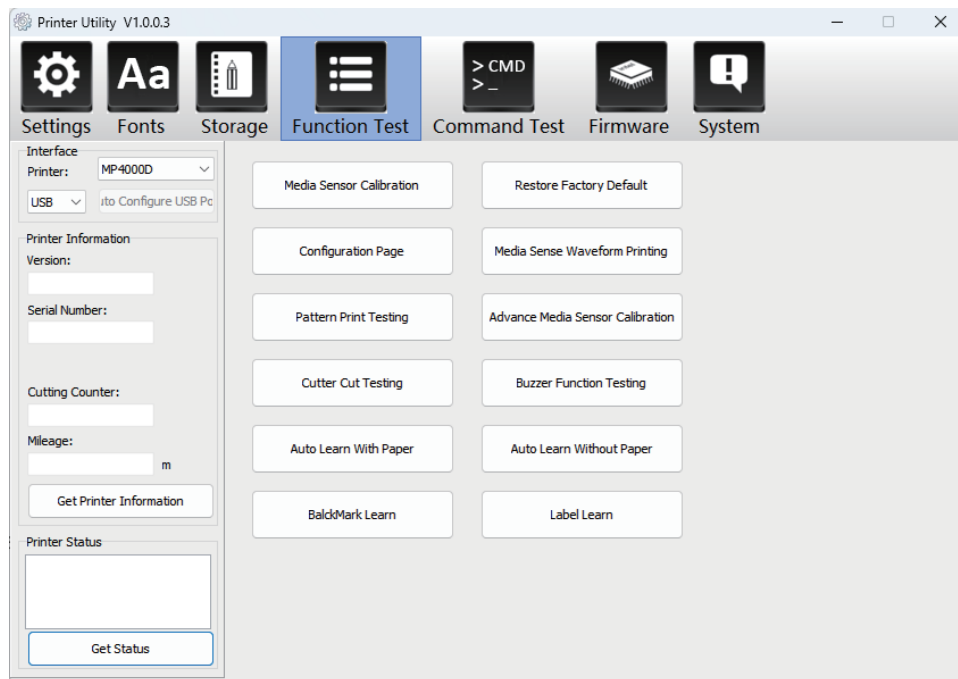
- Click **Download** (Note: The font file name must be in English or number).



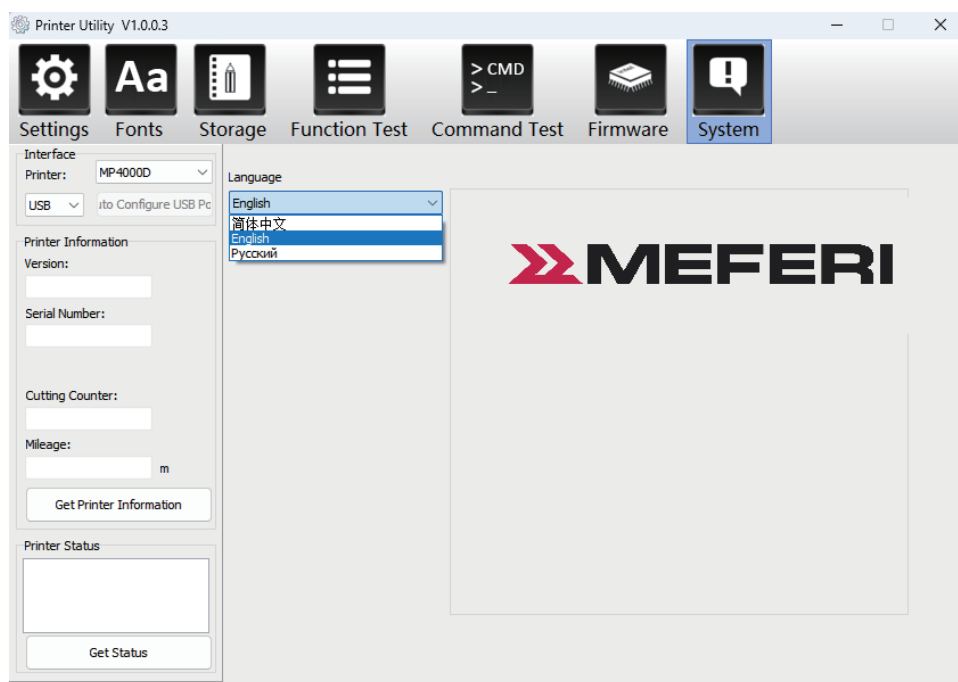
- Select the downloaded font file, enter the print content in the text box, and click **Print Text**.



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:

- 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 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.

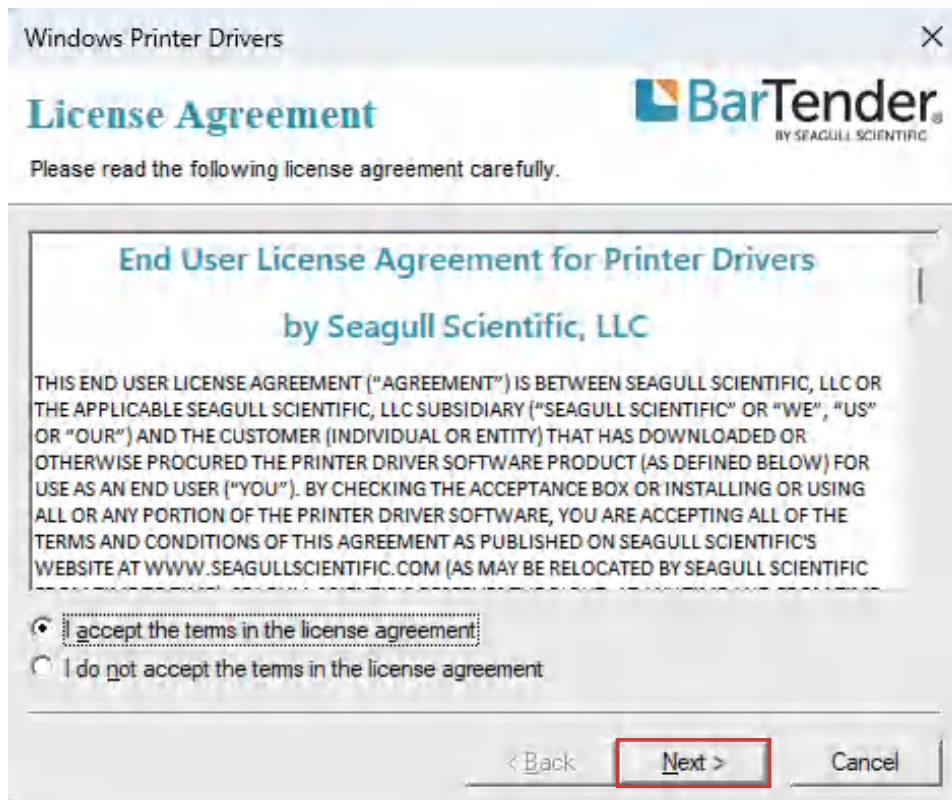
7.3 Installation



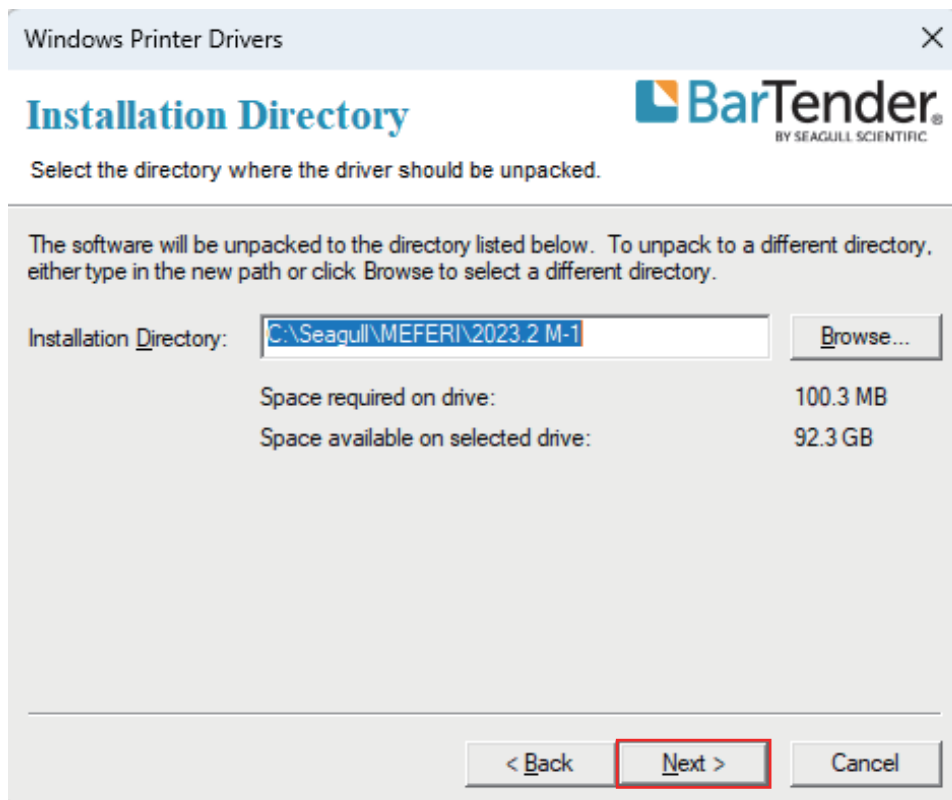
Note:

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

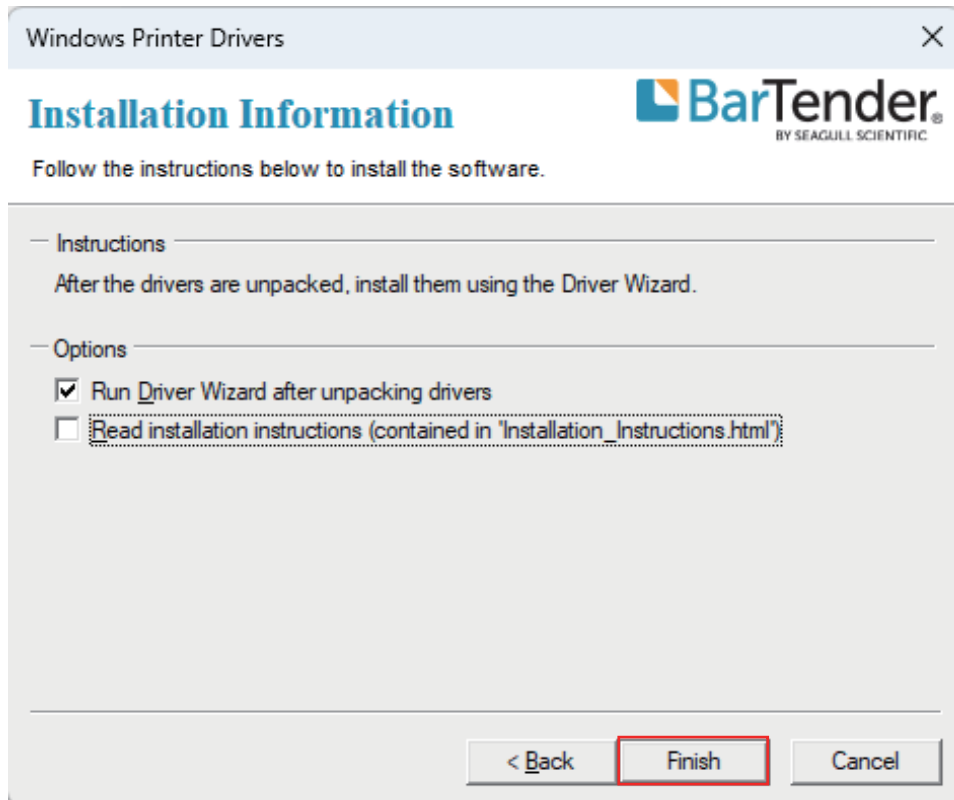
1. Select one interface to connect your printer to computer.
2. Turn on the printer and check if it is connected to computer successfully.
3. Double click Seagull Windows Driver.
4. Read and agree the license agreement. Then click **Next**.



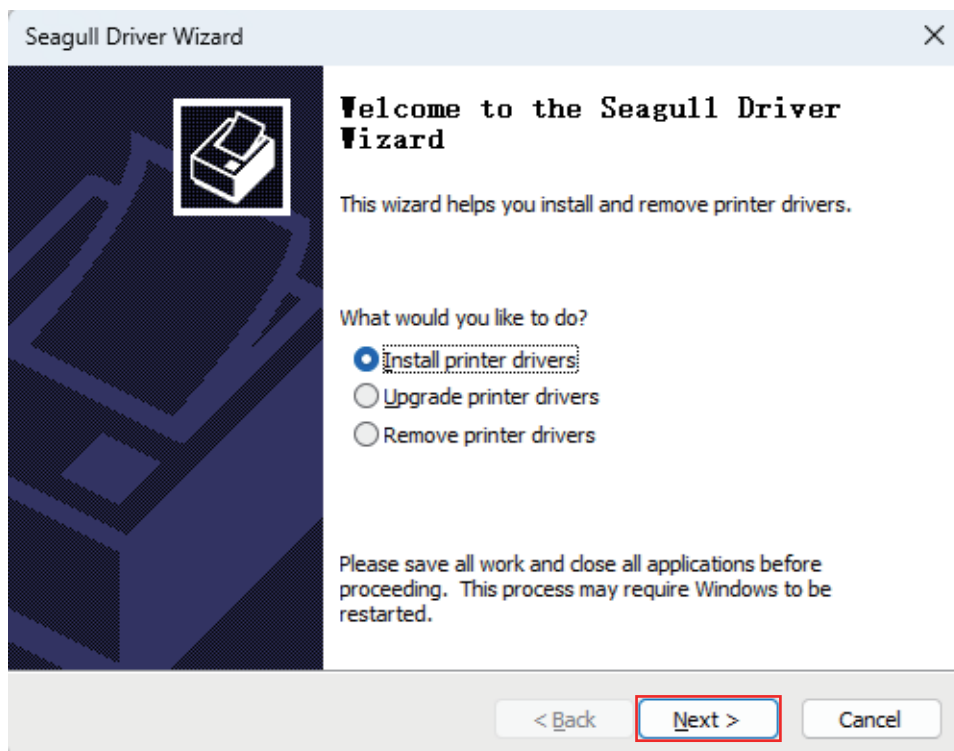
5. Select the directory, then click **Next**.



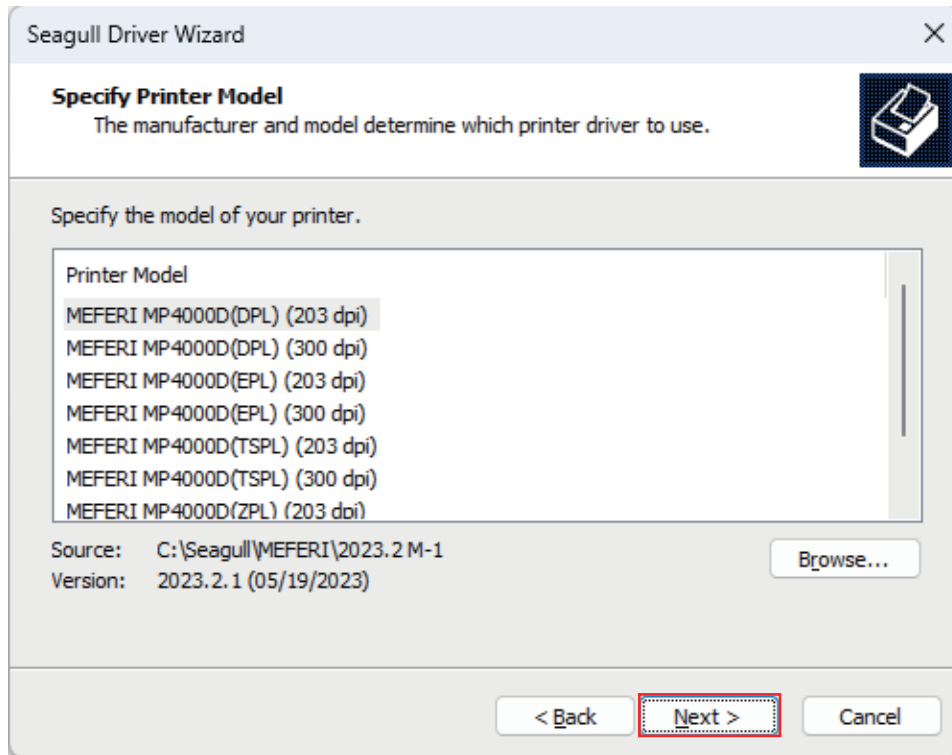
6. Select **Run Driver Wizard after unpacking drivers**, then click **Finish**.



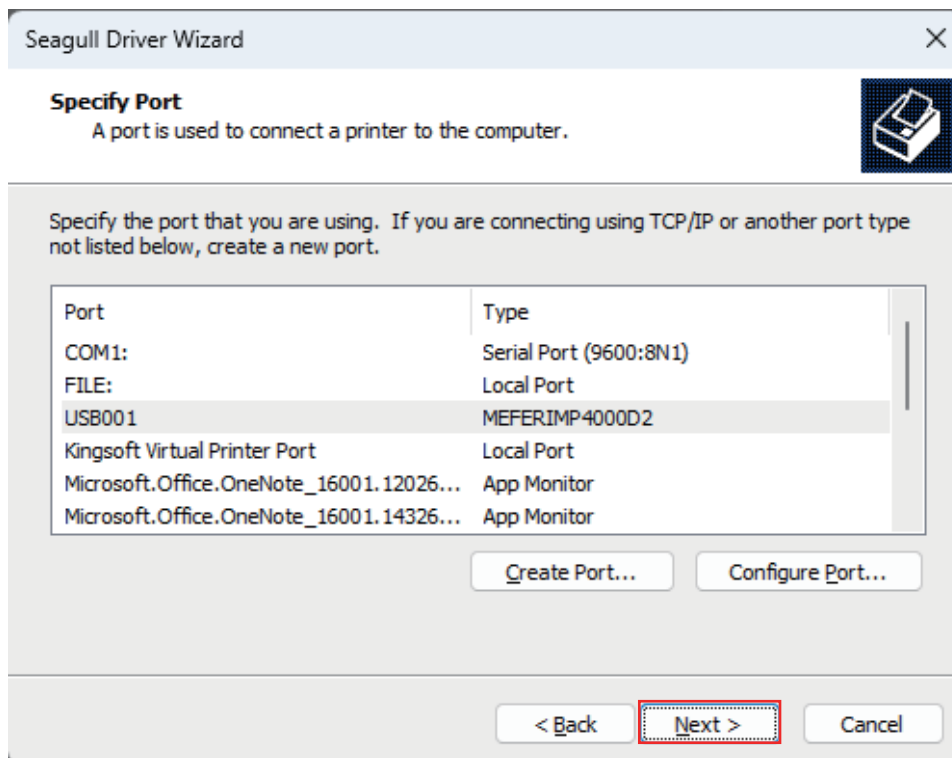
7. Select **Install printer drivers**, then click **Next**.



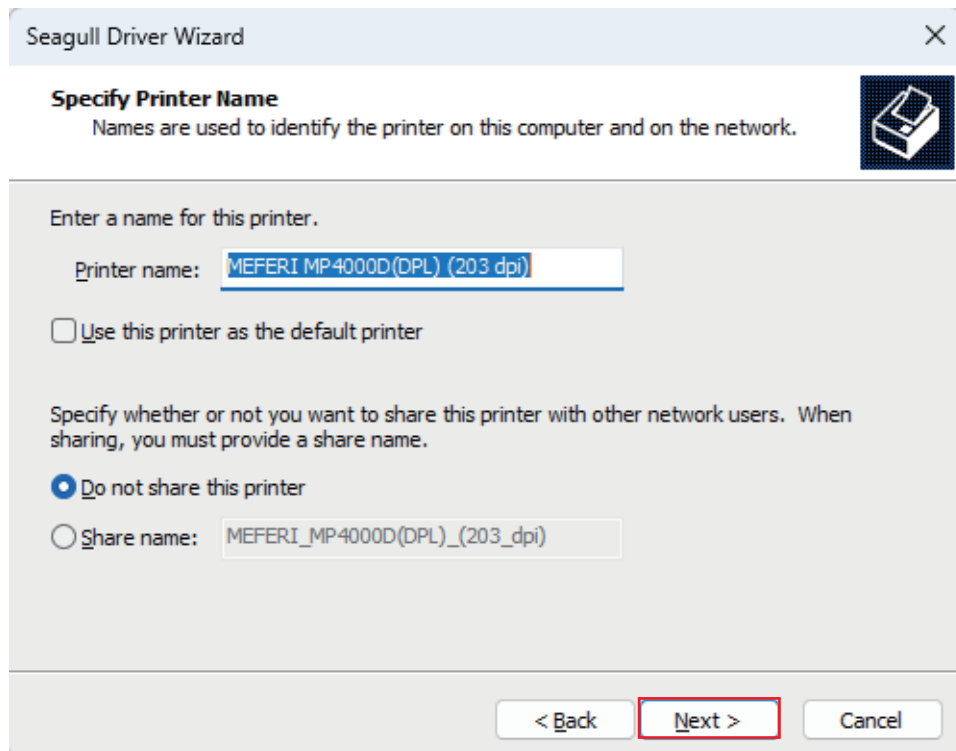
8. Specify Printer Model, then click **Next**.



9. Specify Port, then click **Next**.



10. Specify Printer Name, then click **Next**.



Seagull Driver Wizard

Specify Printer Name
Names are used to identify the printer on this computer and on the network.

Enter a name for this printer.

Printer name:

☐ Use this printer as the default printer

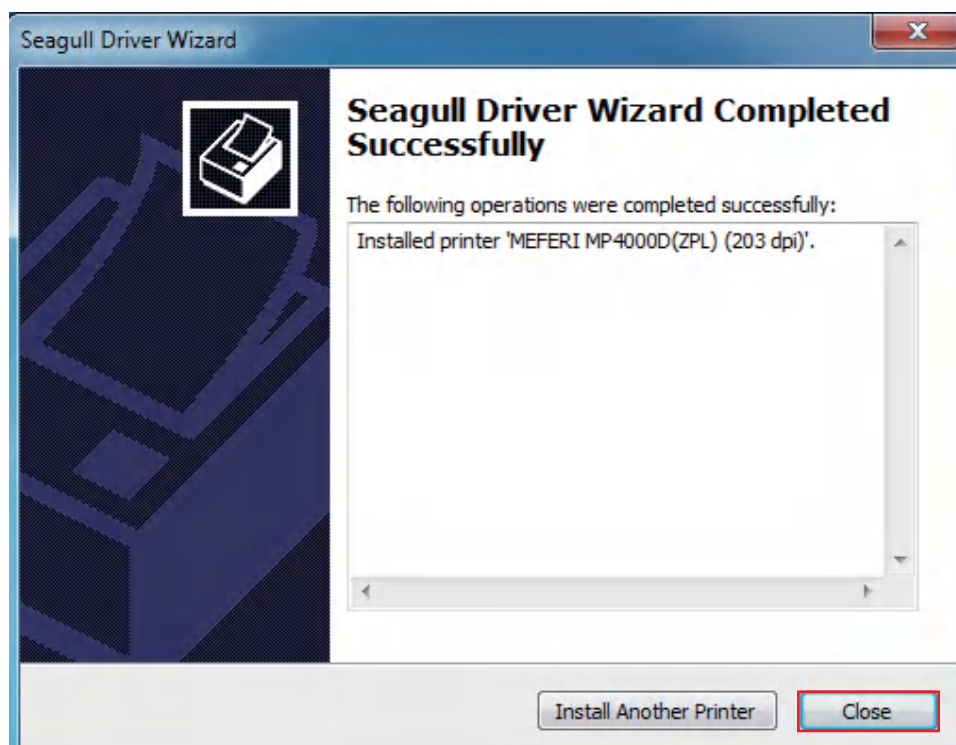
Specify whether or not you want to share this printer with other network users. When sharing, you must provide a share name.

☒ Do not share this printer

☐ Share name:

< Back **Next >** Cancel

11. Click **Close**.



Seagull Driver Wizard Completed Successfully

The following operations were completed successfully:

Installed printer 'MEFERI MP4000D(ZPL) (203 dpi)'.

Install Another Printer **Close**



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

After installation, the icon will be found in **Start → Devices and Printers → Printers & Scanners**.

Bluetooth & devices > Printers & scanners > MEFERI MP4000D(ZPL) (203 dpi)



MEFERI MP4000D(ZPL) (203 dpi)

Printer status: Idle

Remove



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 **Control Panel → Hardware and Sound → Devices and Printers**. Right click the icon and choose **Printing Preferences**.



MEFERI MP4000D(ZPL) (203 dpi)
Printer status: Idle

Remove

Printer settings

Open print queue

Print test page

Run the troubleshooter

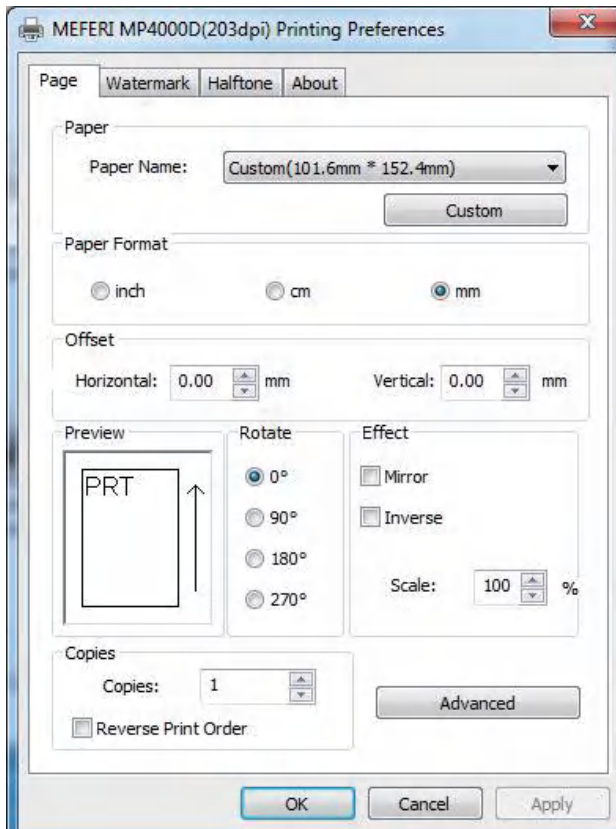
Printer properties

Printing preferences
Orientation, page order, pages per sheet, borders, paper source

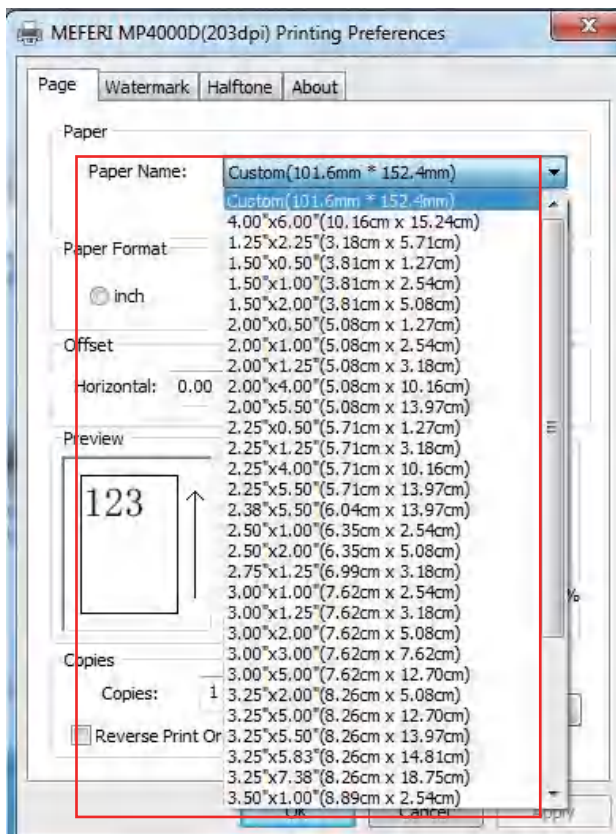
Hardware properties

More devices and printers settings

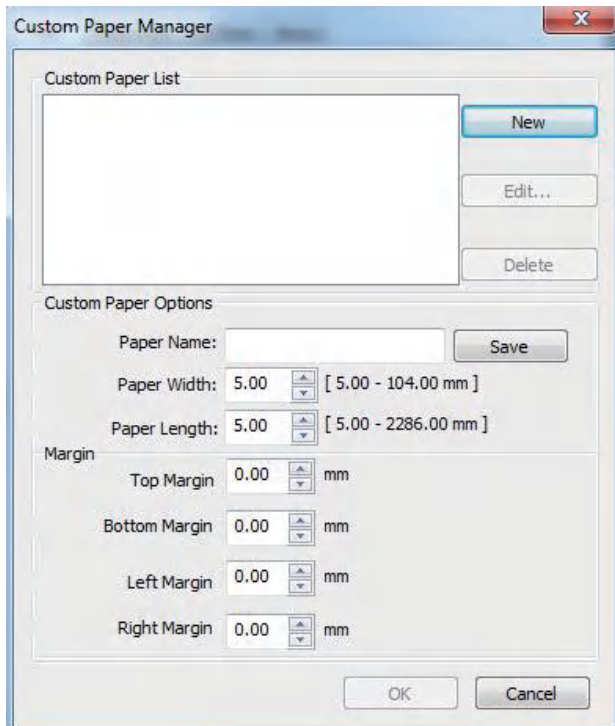
2. According to different needs, set up the page.



- Click **Paper Name**, and choose the paper type.

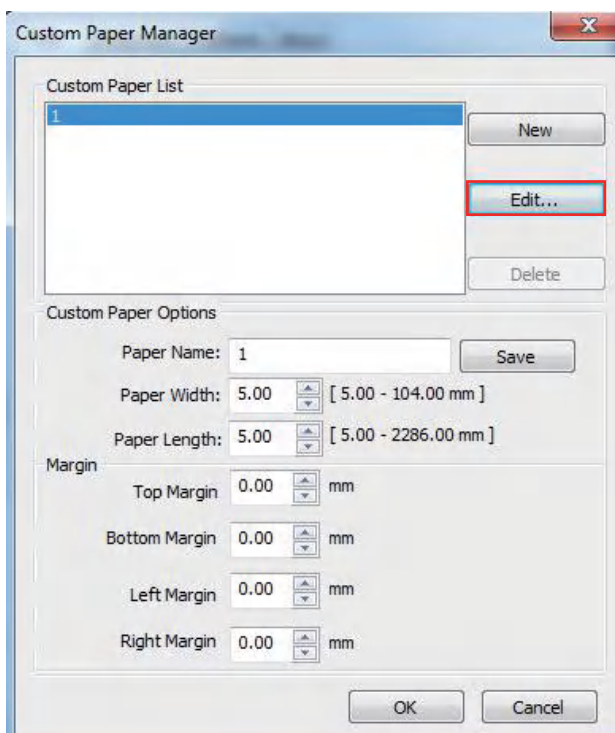


- Click **Custom->New**, and set up a new stock.



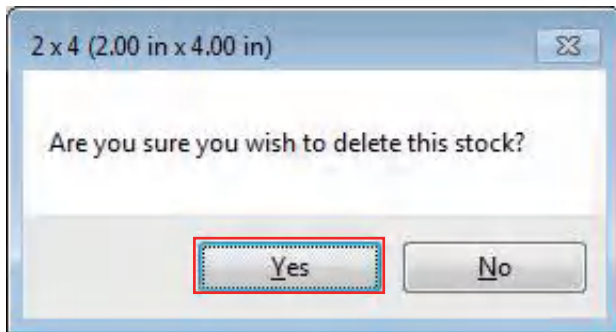
The Custom Paper Manager dialog box is shown. It has a title bar with a close button (X). The main area is divided into two sections. The top section, 'Custom Paper List', contains an empty list box and three buttons: 'New', 'Edit...', and 'Delete'. The bottom section, 'Custom Paper Options', contains a 'Paper Name' field with a 'Save' button, and two rows of 'Paper Width' and 'Paper Length' fields with range indicators. Below these are four 'Margin' fields (Top, Bottom, Left, Right) with units in mm. At the bottom are 'OK' and 'Cancel' buttons.

- Click **Edit**, and edit the stock.

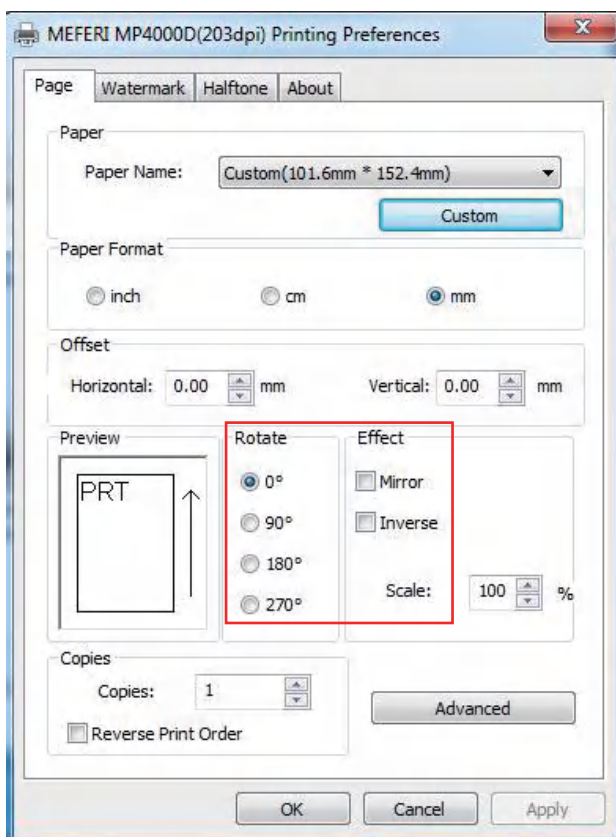


The Custom Paper Manager dialog box is shown again. In this state, the 'Custom Paper List' contains one item, '1', which is selected. The 'Edit...' button is highlighted with a red rectangle. The 'Custom Paper Options' section now has the 'Paper Name' field filled with '1'. The 'Paper Width' and 'Paper Length' fields are still set to 5.00. The 'Margin' fields are still set to 0.00. The 'OK' and 'Cancel' buttons are at the bottom.

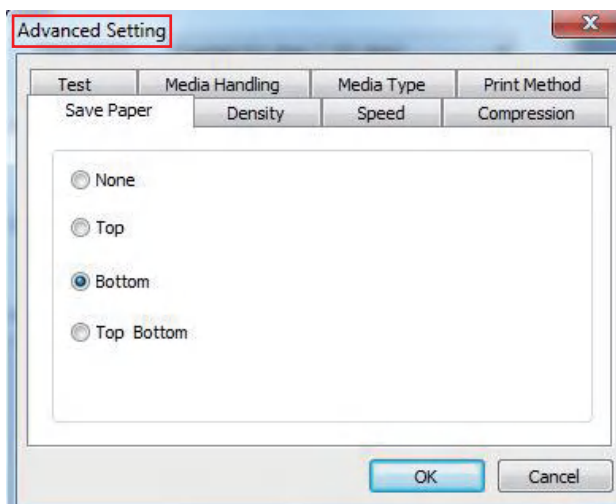
- Click **Delete Stock**, and delete the stock.



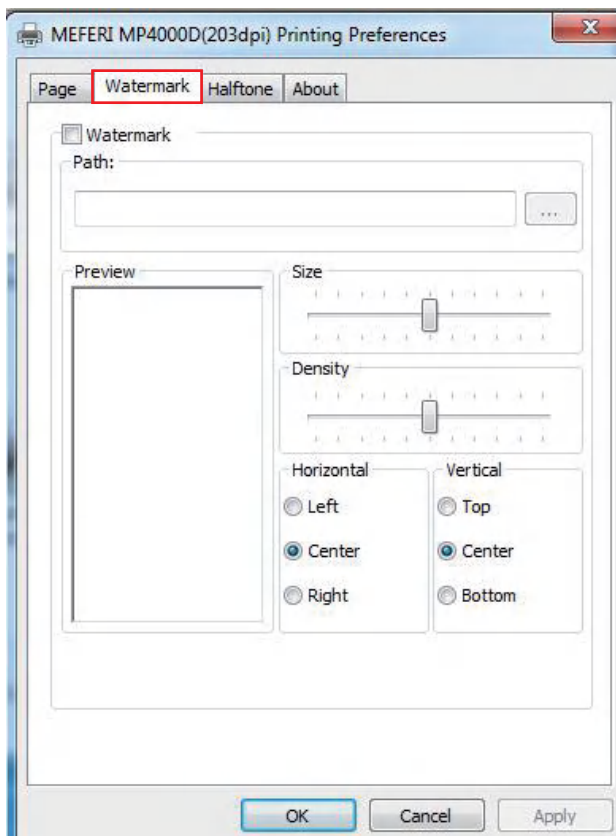
- Choose **Rotate** or **Effects**, showed in the **Preview**.



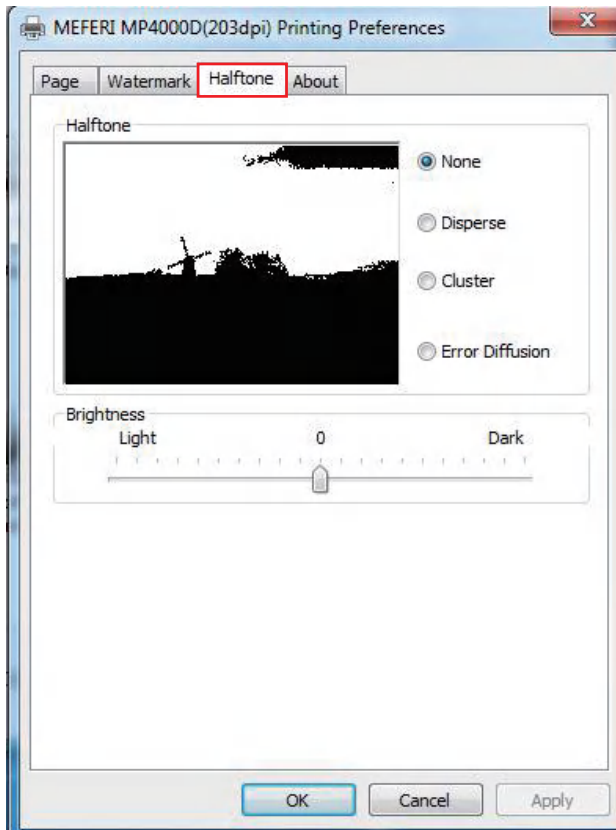
- Click **Advanced**, and change the settings.



3. Click **Watermark**, and edit the pictures.



4. Click **Halftone** and set.

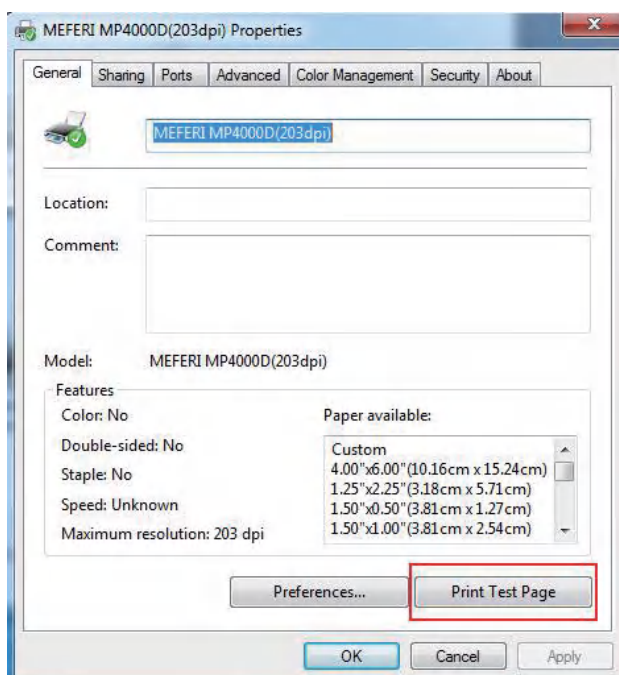


7.4.2 Printer Properties

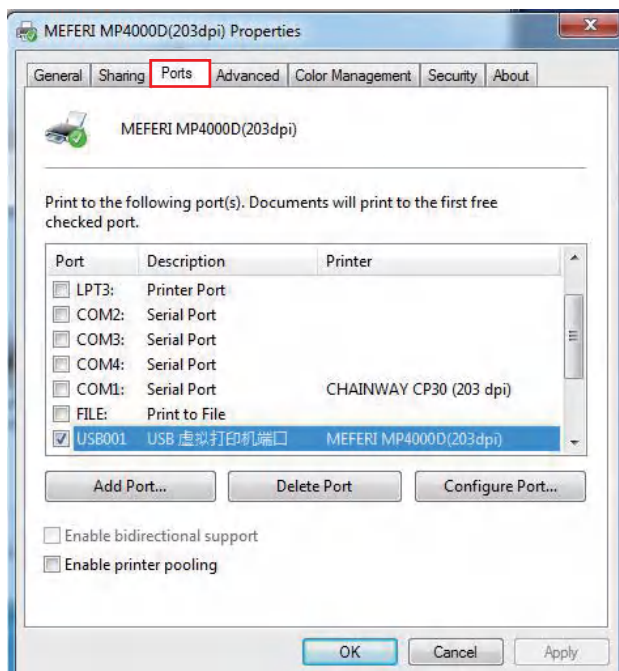
1. Click **Start** → **Devices and Printers** → **Printers & Scanners**. Right click the icon and choose **Printer properties**.



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



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



7.5 Label's Width

- USER (4.00 x 4.00 in)
- 2 x 4 (2.00 x 4.00 in)
- 4 x 4 (4.00 x 4.00 in)
- 4 x 6 (4.00 x 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.

- Windows 10, 11
- Includes all 32-bit and 64-bit (x64) editions

8.2 Installation Preparation

Download BarTender Ultralite application program in CD.

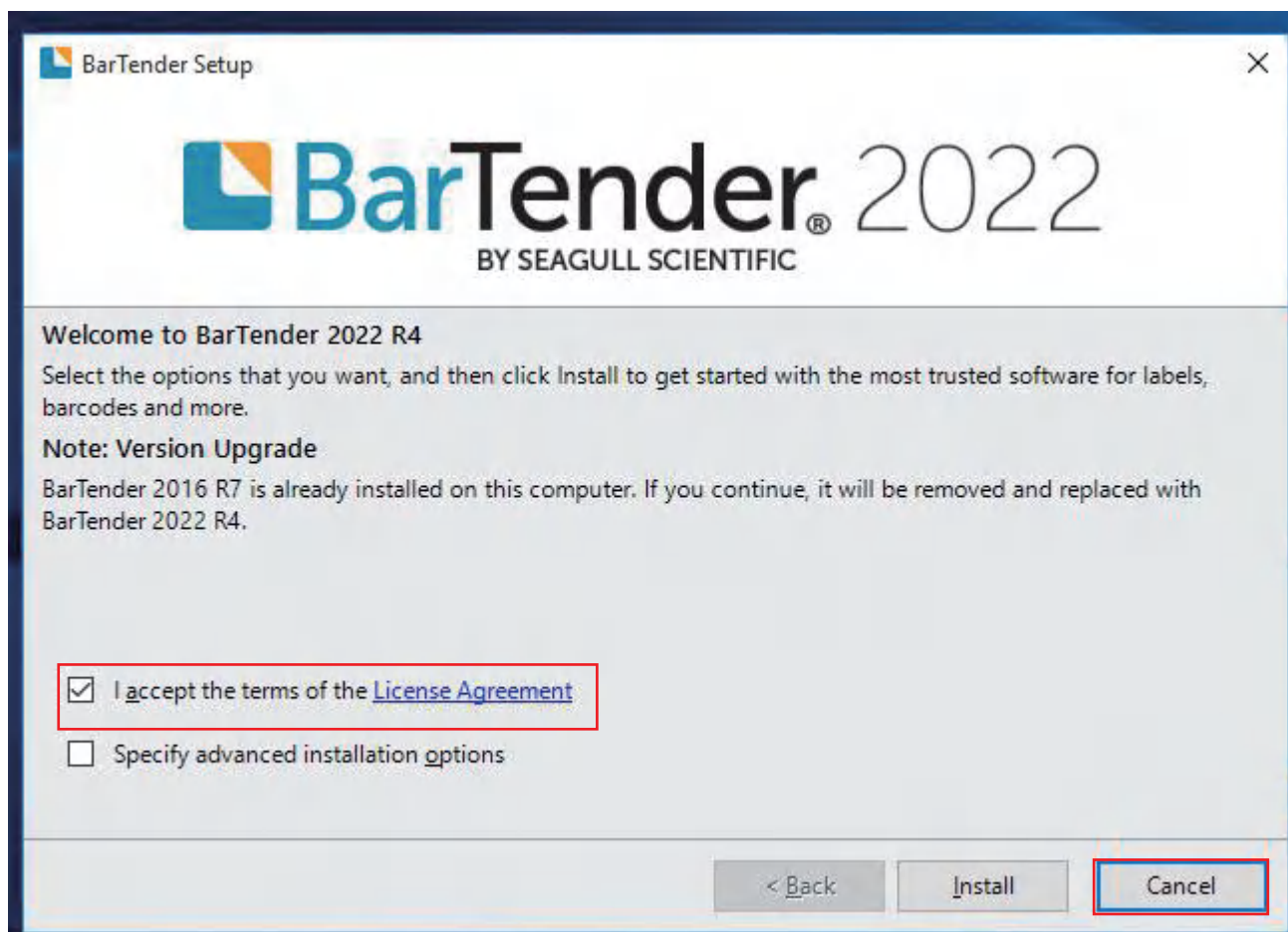
8.3 Installation



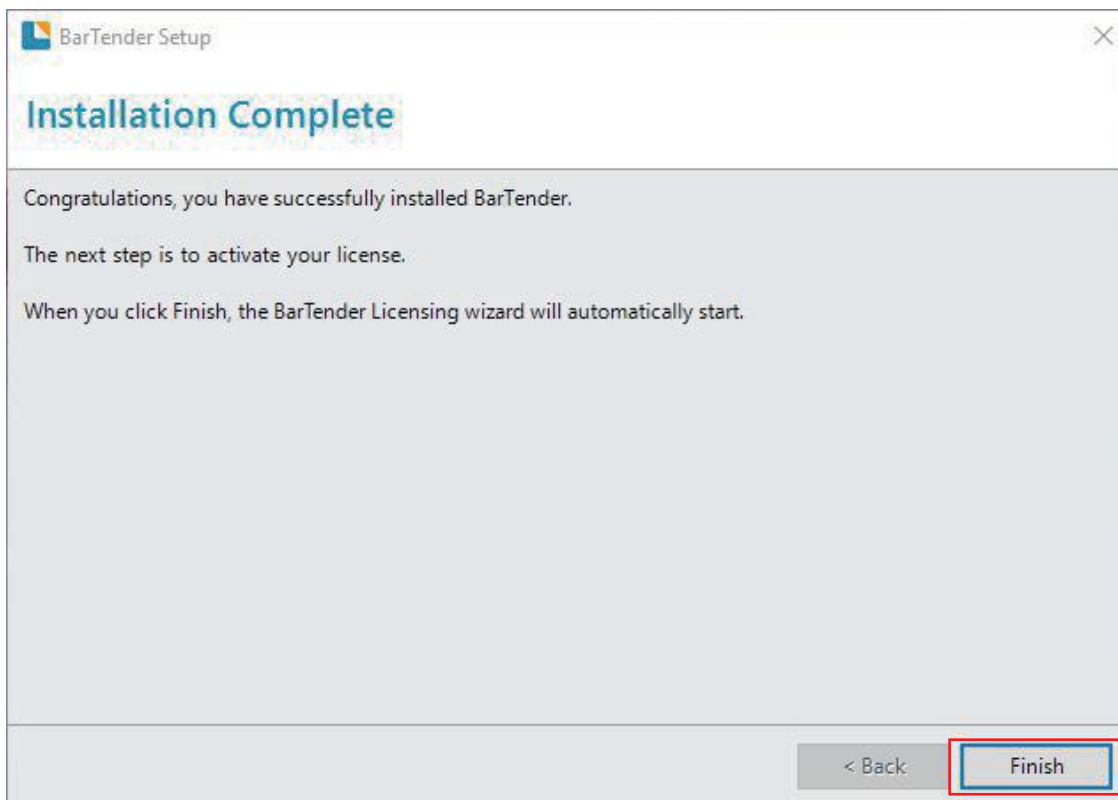
Note:

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

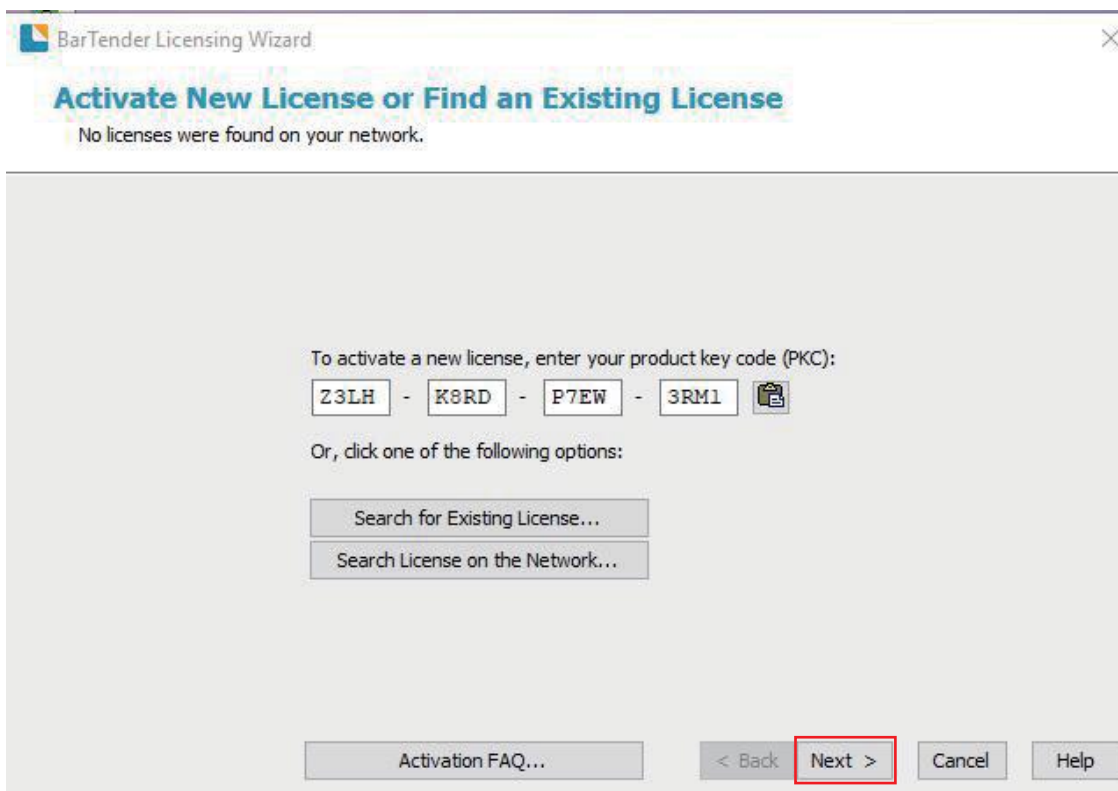
1. Double click the application program .
2. Select **I accept** and click **Install**.



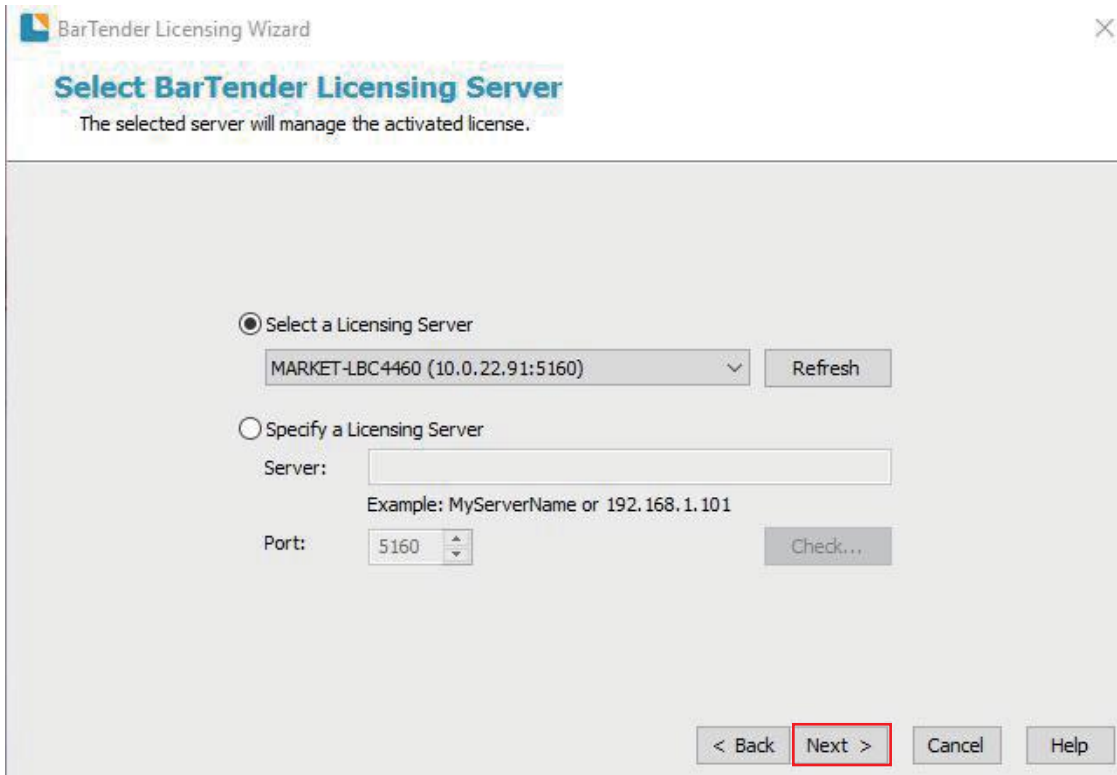
3. Click **Finish**.



4. To activate a new license, enter the key code: Z2BZ-S9MF-23BN-B6LH , then click **Next**.



5. Select a Licensing Server, then click **Next**.



BarTender Licensing Wizard

Select BarTender Licensing Server

The selected server will manage the activated license.

☒ Select a Licensing Server

MARKET-LBC4460 (10.0.22.91:5160) Refresh

☐ Specify a Licensing Server

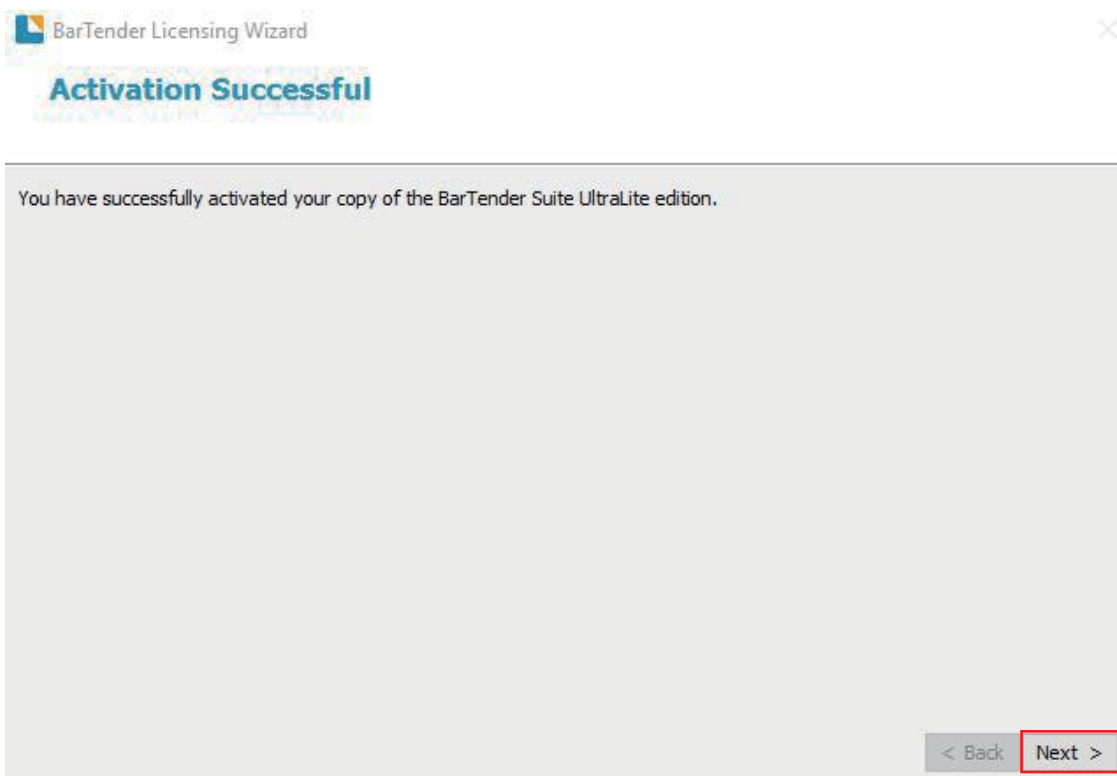
Server:

Example: MyServerName or 192.168.1.101

Port: 5160 Check...

< Back **Next >** Cancel Help

6. Activation Successful. Then click **Next**.



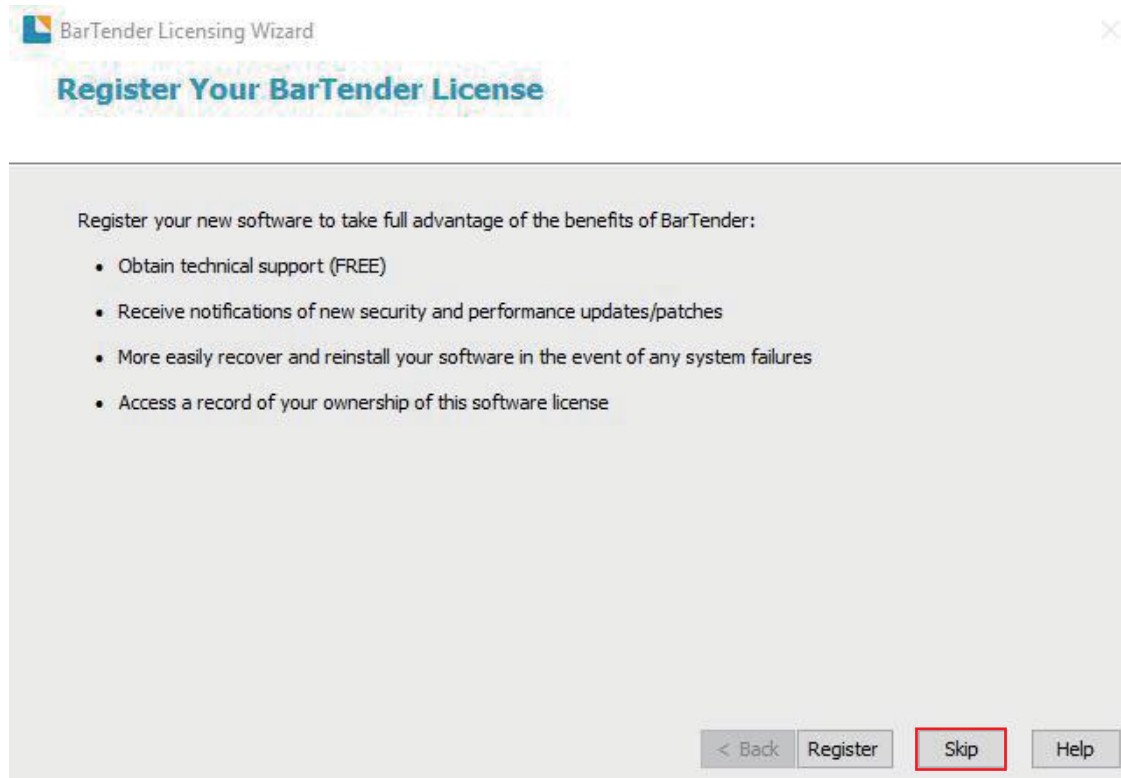
BarTender Licensing Wizard

Activation Successful

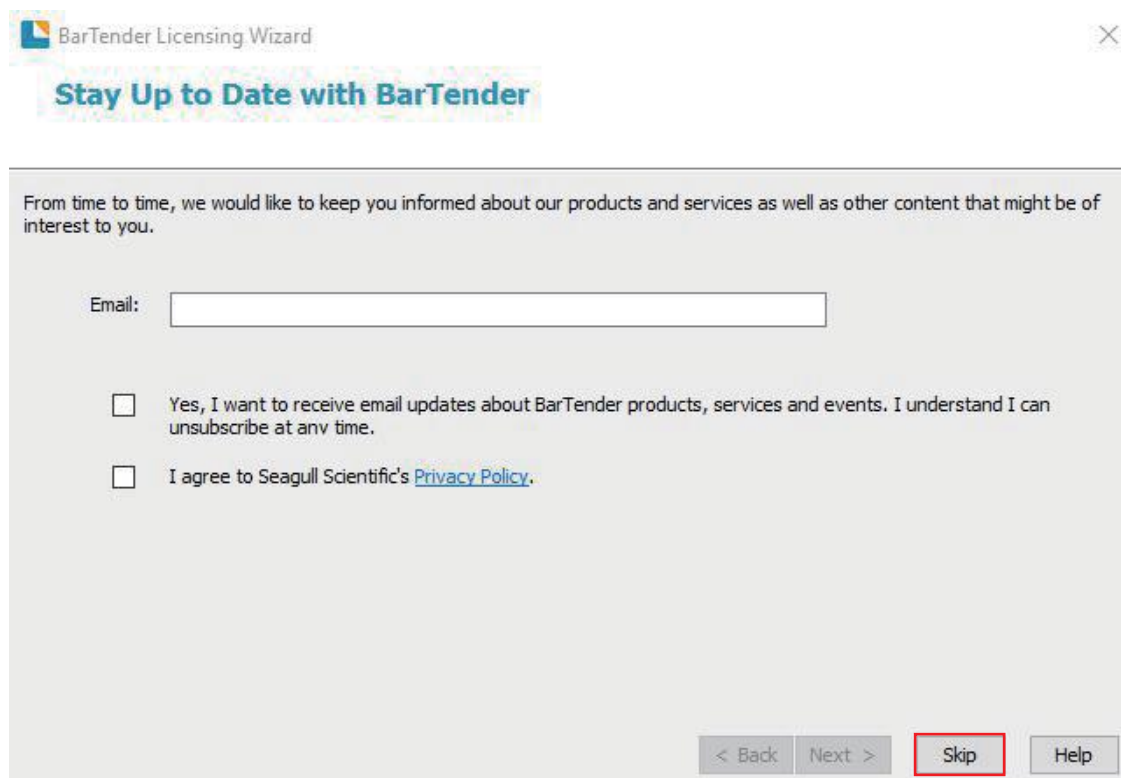
You have successfully activated your copy of the BarTender Suite UltraLite edition.

< Back **Next >**

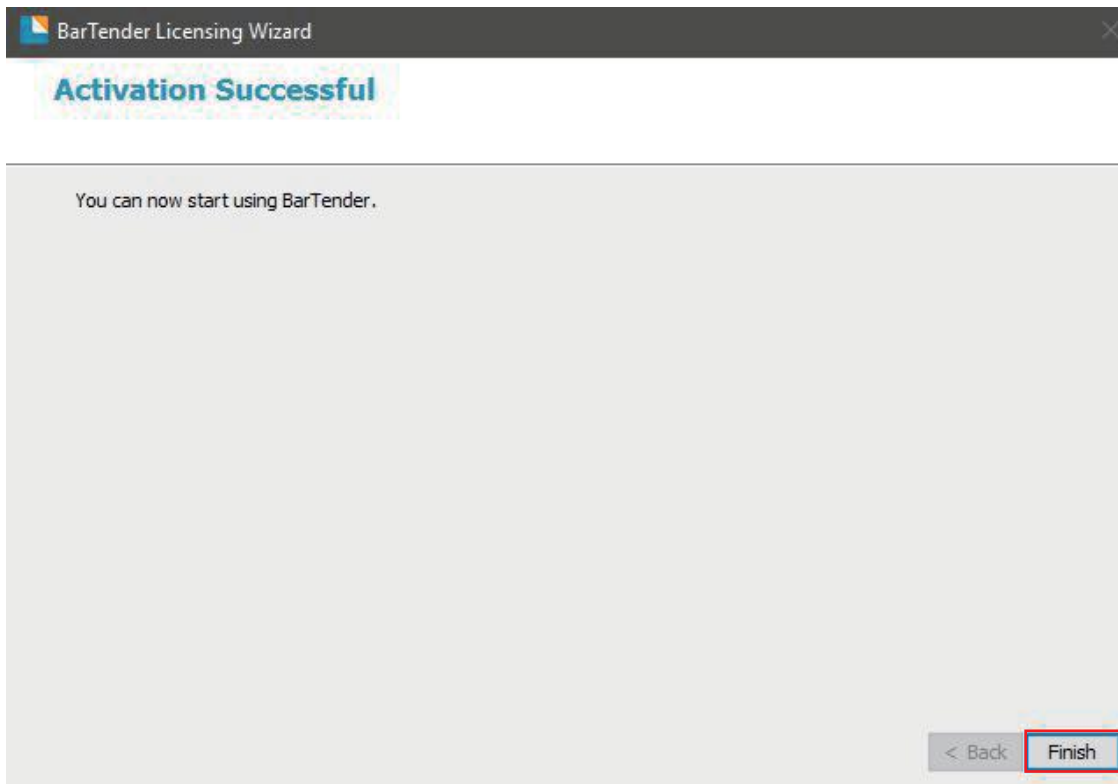
7. Register your BarTender License. Click **Skip**.



8. Click **Skip**.



9. You can now start using BarTender. Click **Finish**.



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

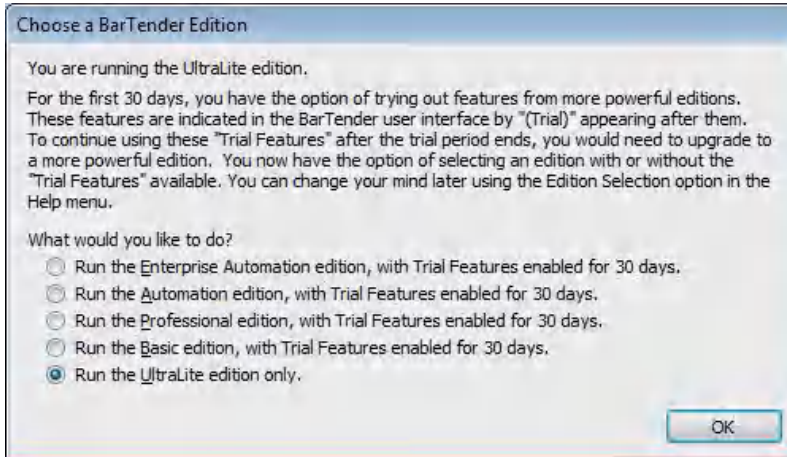


BarTender
UltraLite

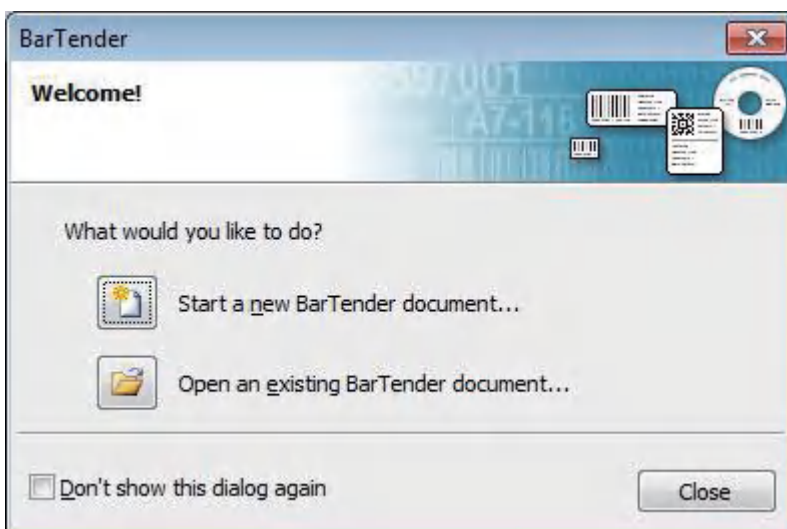
8.4 Usage

8.4.1 Page Settings

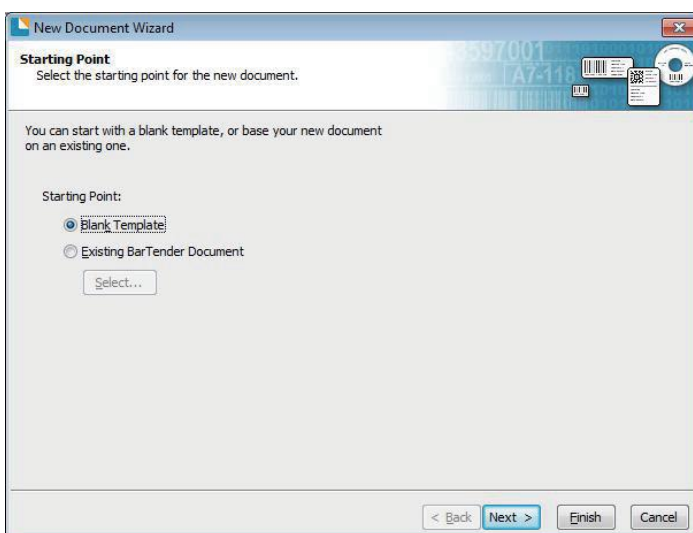
1. Double click the icon, then choose the edition. Click **OK**. (The edition may be changed according to different needs.)



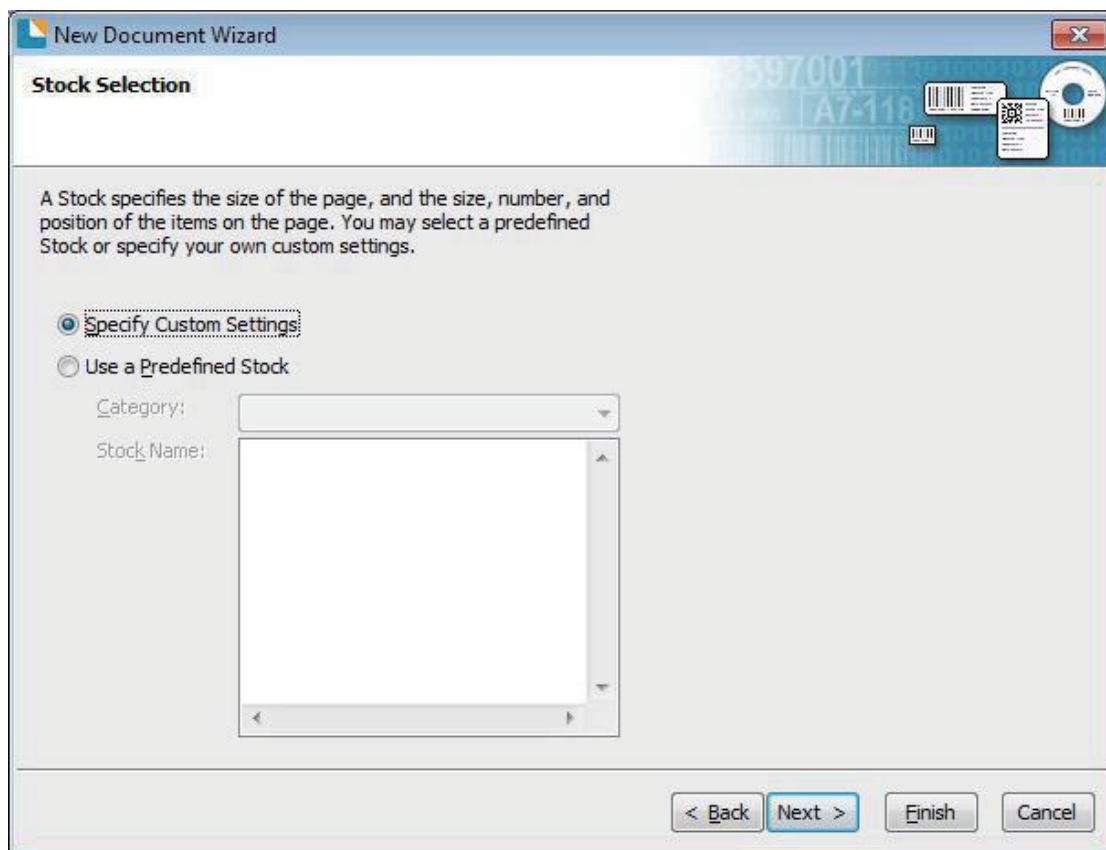
2. Click **Start a new BarTender document**.



3. Choose **Blank Template**, then click **Next**.



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



New Document Wizard

Stock Selection

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.

☒ Specify Custom Settings

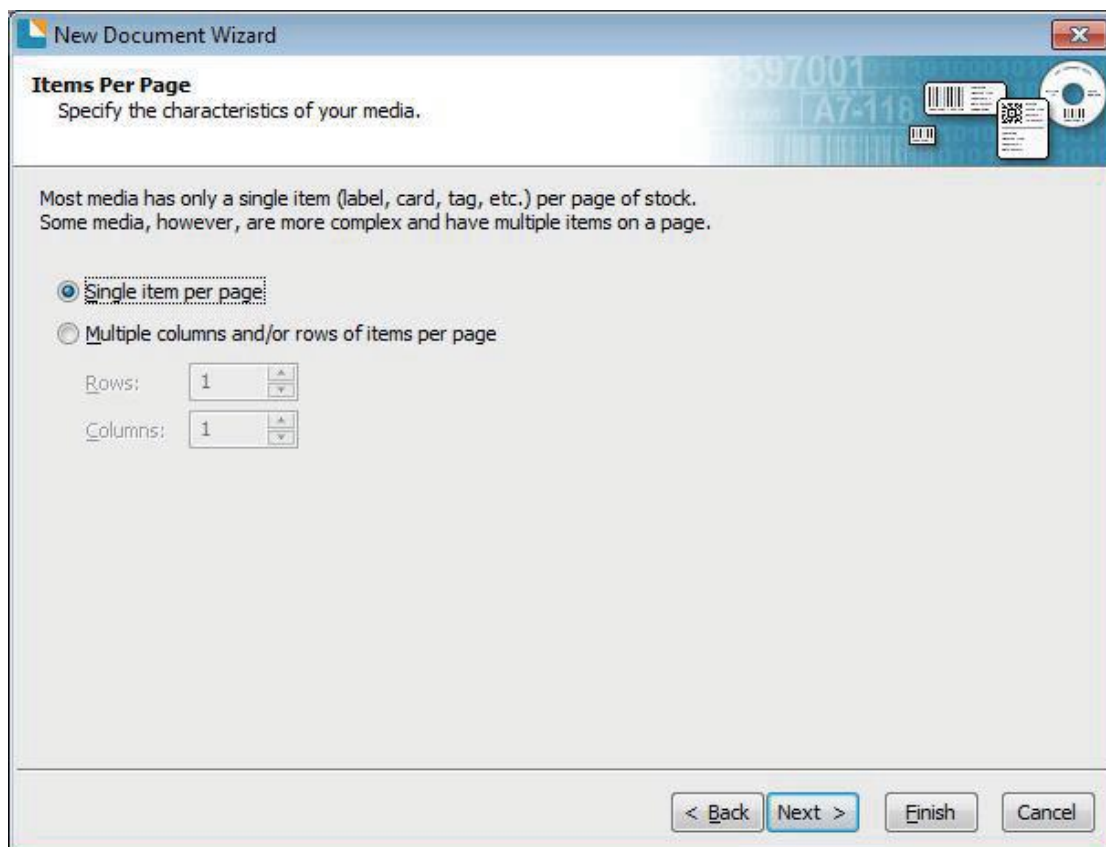
☐ Use a Predefined Stock

Category:

Stock Name:

< Back Next > Finish Cancel

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



New Document Wizard

Items Per Page

Specify the characteristics of your media.

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.

☒ Single item per page

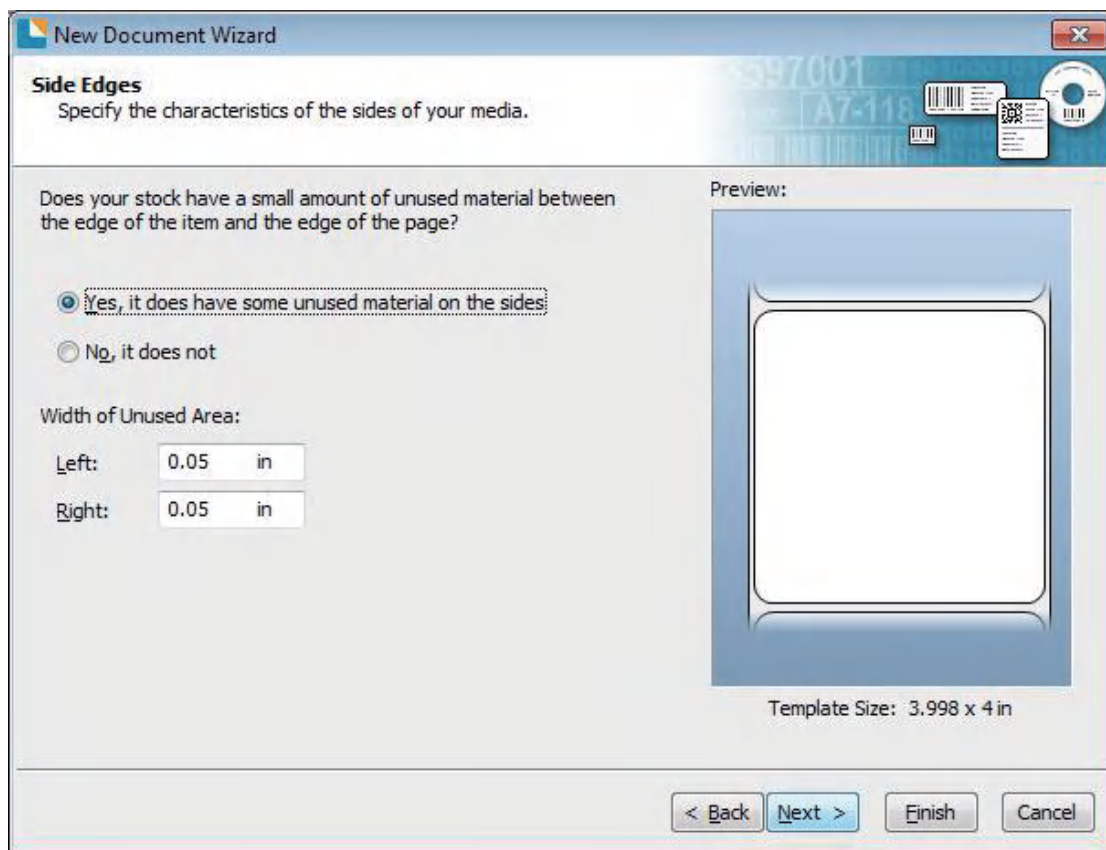
☐ Multiple columns and/or rows of items per page

Rows:

Columns:

< Back Next > Finish Cancel

6. Edit the side edges, then click **Next**.



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:

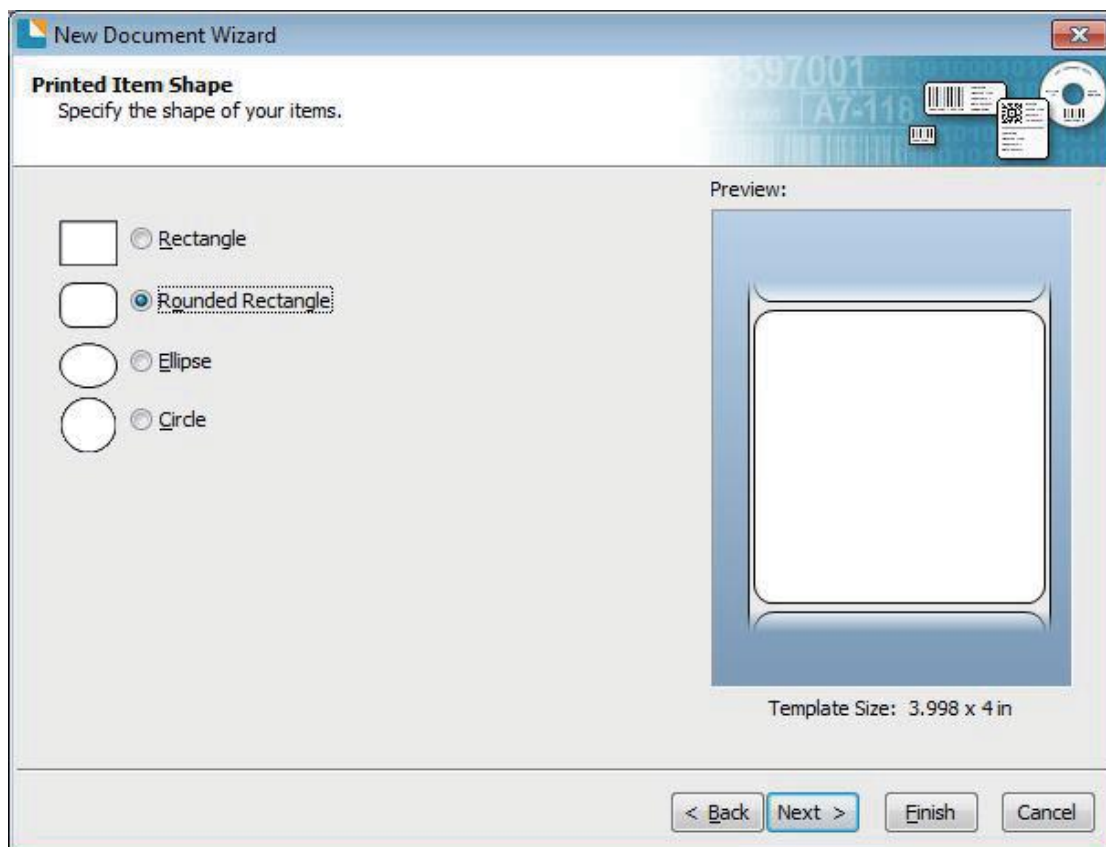
Left: 0.05 in
 Right: 0.05 in

Preview:

Template Size: 3.998 x 4 in

< Back Next > Finish Cancel

7. Choose the item shape, then click **Next**.



New Document Wizard

Printed Item Shape
Specify the shape of your items.

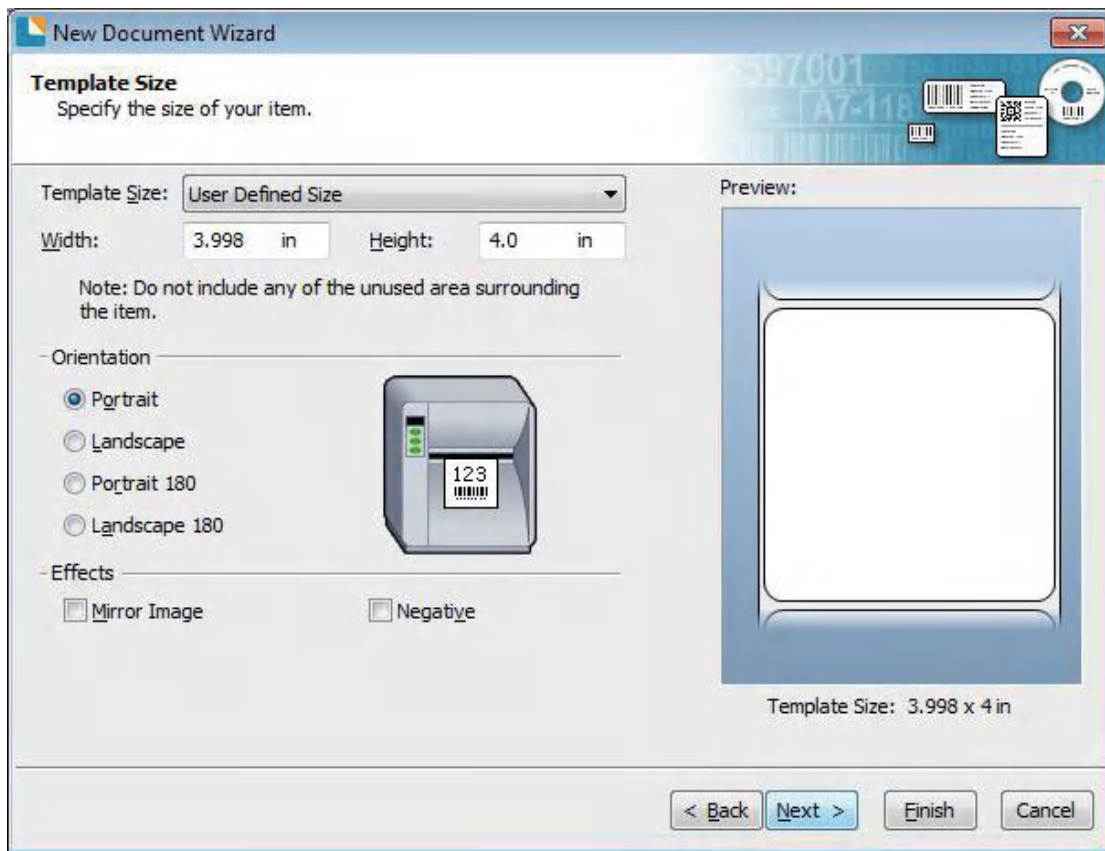
☐ ☐ Rectangle
☐ ☒ Rounded Rectangle
☐ ☐ Ellipse
☐ ☐ Circle

Preview:

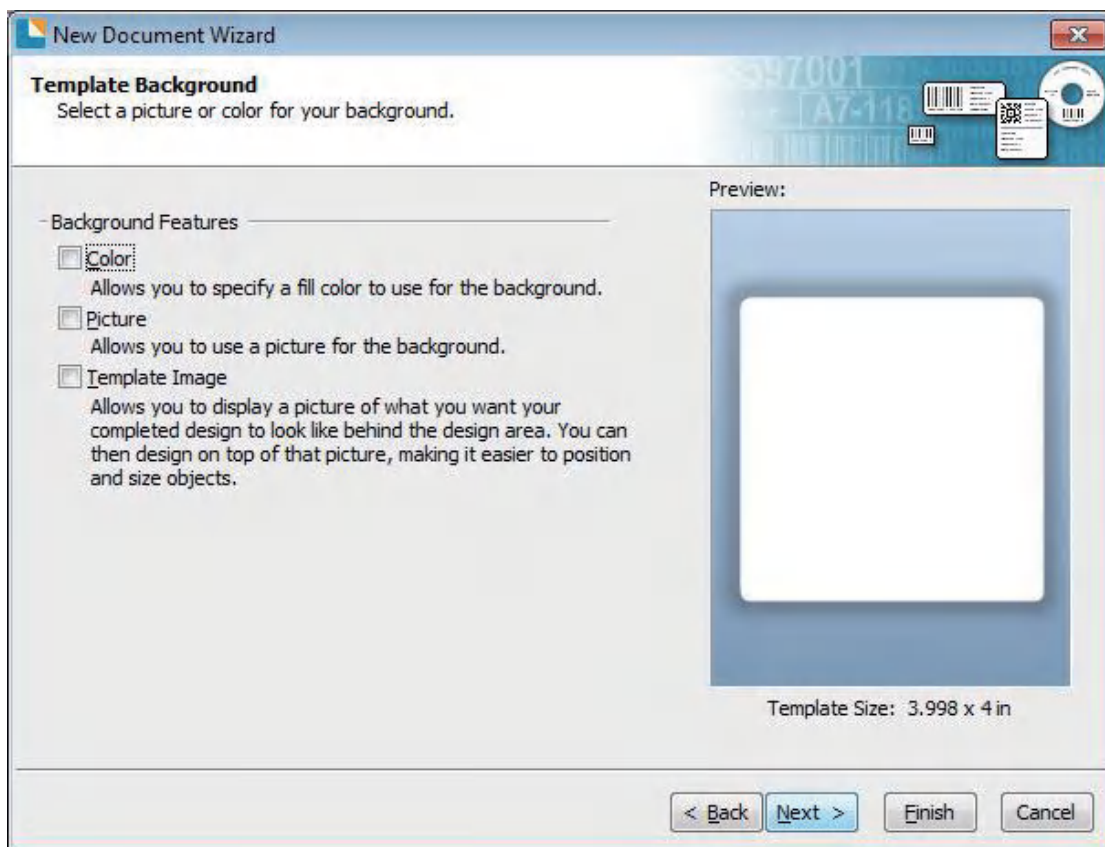
Template Size: 3.998 x 4 in

< Back Next > Finish Cancel

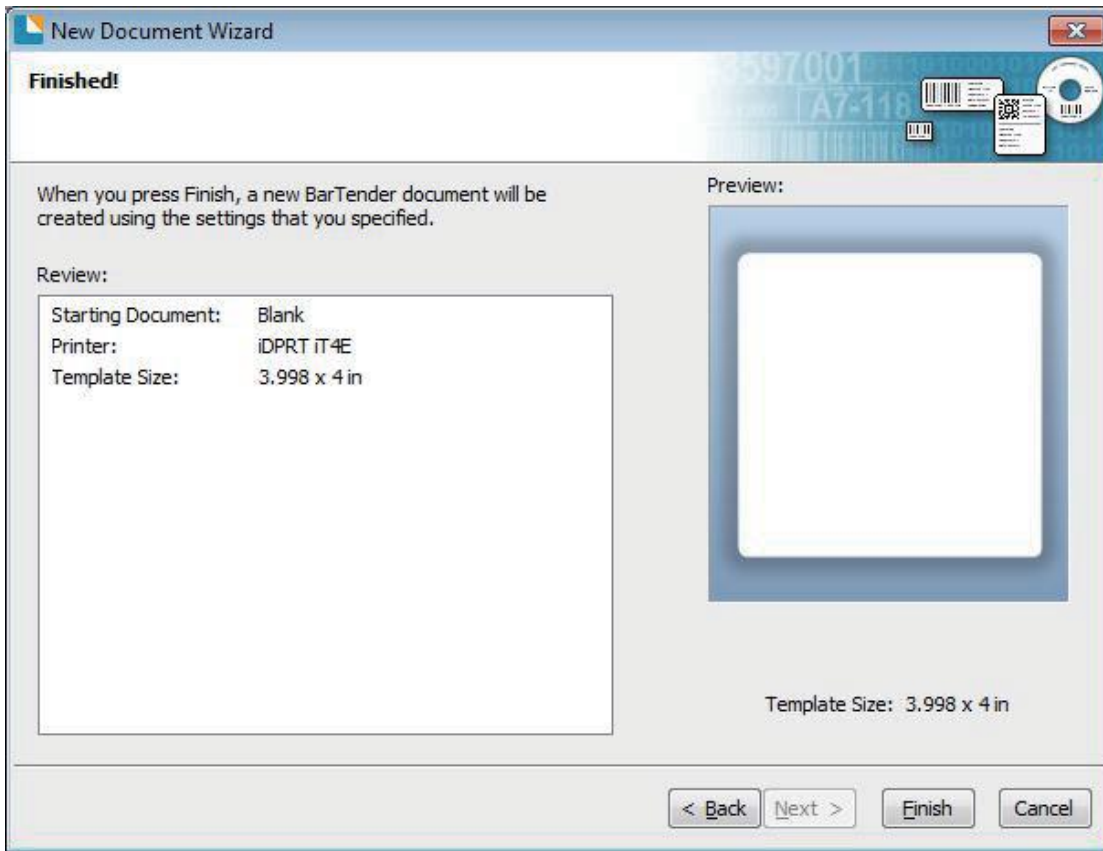
8. Edit the template size, then click **Next**.



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

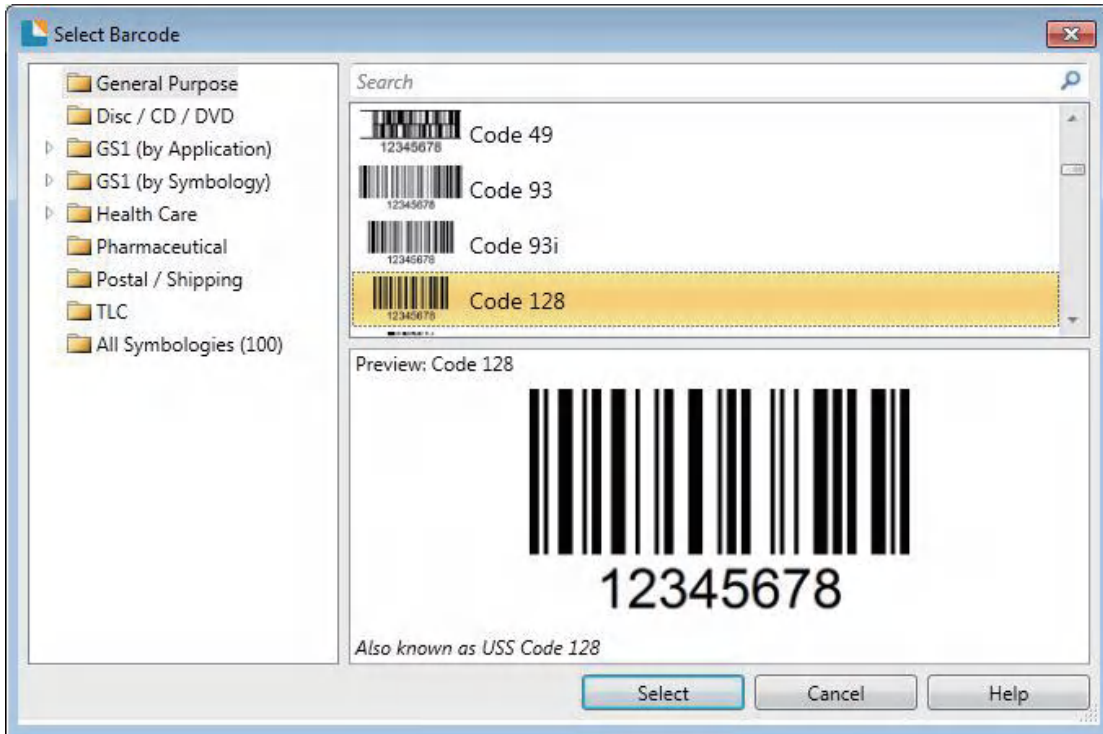


10. Finish the settings, showed in the **Review** and **Preview**. Then click **Finish**.



8.4.2 Label Edit

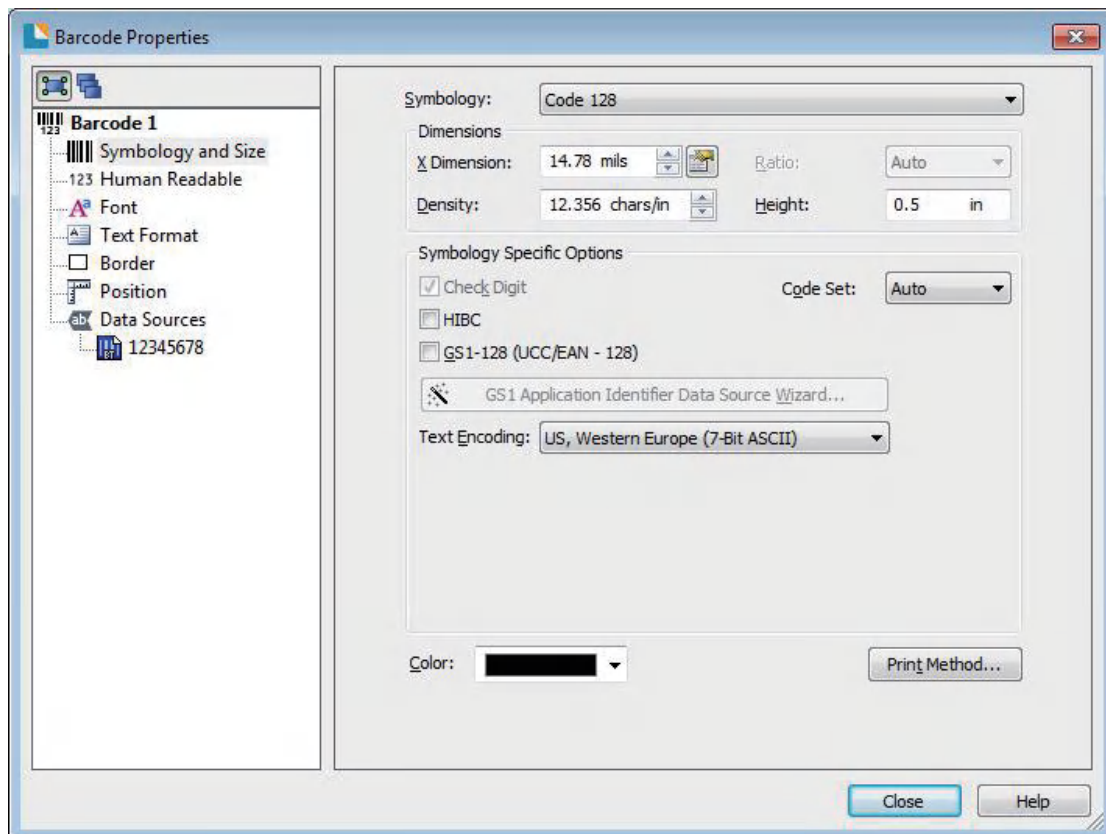
1. Click the icon of code  .
2. Choose the code, then click **Select**.



3. Click the blank, showing the code.

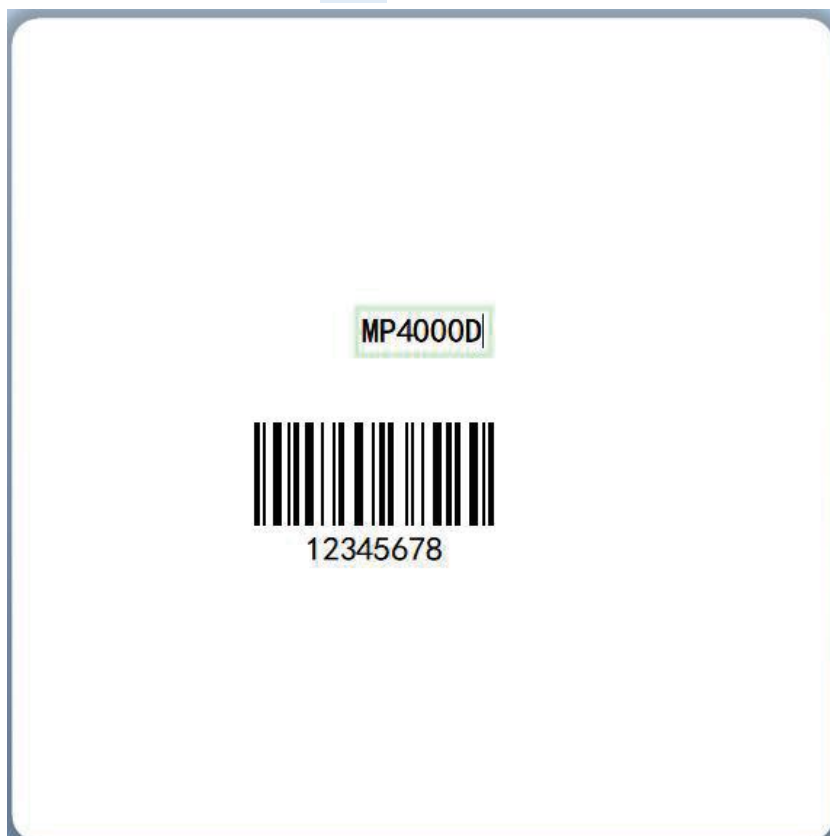


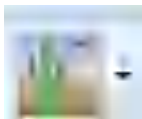
4. Double click the code and edit it. User can set up the size, font, border and so on.



Finishing the change, click **Close**.

5. Click the icon of character **A** ▾, 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 1 Display Operation

Home Menu	Sub-menu	Sub-menu	Value
		Print Method	DT/TT
		Print Speed	2-N ips (varies with different printers)
		Print Darkness	0-N (ZPL/DPL: N=30 EPL: N=20)
		Rotation	0 (Default)/90/180/270
		After Printed	None Tear Off (Default) Peeling Cutting
		Stop Position	Default Manually (0-30mm)
		Label Type	Gap Label (Default) Black Mark Continuous
		Media Sensor	Auto Sensor (Default) Transmissive Reflective
		PL Simulation	Automatic (Default)/ZPL/EPL/ DPL
		Codepage	CP850 (Default) CP852 CP437 CP860 CP863 CP865 CP857 CP861 CP862 CP855 CP866

Home Menu	Sub-menu	Sub-menu	Value
		Codepage	CP737 CP851 CP869 Win 1252 Win 1250 Win 1251 Win 1253 Win 1254 Win 1255 Win 1257 UTF-8 UTF-16BE UTF-16LE
		Print Y Offset	+/-120
		Print X Offset	+/-120
		LCD Timeout	0-9
		LCD Brightness	0-9
		LCD Language	English (Default) Spanish Portuguese France German Ukrainian 日本語 中文简体 中文繁体
		Security Password	0000 (Default)
		Standby Display	Ready Date/Time
		Buzzer Volume	0-3 Default: 2
		Date	YYYY/MM/DD
		Time	hh:mm:ss

Home Menu	Sub-menu	Sub-menu	Value
		Baudrate	9600 (Default) 14400 19200 38400 57600 115200
		Data Bits	7-bit/8-bit (Default)
		Parity	None (Default) Odd Even
		Flow Ctrl	None XON/XOFF Hardware (Default) SW+HW
		Switch	OFF/ON
		Address Mode	DHCP Static (Default)
		Port Number	Default: 9100
		IP Address	Default: 10.0.3.22
		Default Gateway	Default: 10.0.3.1
		Subnet Mask	Default: 255.255.255.0
		Bluetooth Switch	OFF (Default)/ON
		SPP Pairing Code	Default: 0000
		WiFi SSID	(varies with different printers)
		WiFi Switch	OFF (Default) ON
		Networking Mode	AP Mode (Default) Station Mode

Home Menu	Sub-menu	Sub-menu	Value
 Setting	 Ext. Device	Keyboard	None (Default) USB Host RS232
		Keyboard Language	English (Default) Spanish Portuguese France German Ukrainian
		Barcode Scanner	None (Default) USB Host RS232
 Testing	TPH Printed Mileage		Show the mileages printer has printed
	TPH Bad Not Printing Test		Print the testing page
	Label Calibration		Calibrate the label
	Media Sensor Printing		
	Dump Mode		Receive the data
	Cutting Test		Test the cutter
	Restore Factory Default		Enter Cancel (Default)
	Firmware Update		
	Touch Screen Calibration		
 Config Info	Printer Configuration		Print the information of printer's current settings
	Internal Font List		Print all the internal fonts template

Home Menu	Sub-menu	Sub-menu	Value
 Config Info	Barcode Lists		Print all the barcodes template
	Internal Flash File List		Print the internal flash file list
	External Memory File List		Print the external flash file list
	LCD Configuration		
 Smart Printing	File Management	Internal Flash(A:)	Label Formats Graphic Bitmap Font True Type Database Firmware
		External USB Storage(B:)	Label Formats Graphic Bitmap Font True Type Database Firmware
	Auto Form	Auto Label Form Switch	OFF (Default)/ON
		Delete Auto Label Form	NO (Default)/YES