

iT4B



User Manual

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Rev.1.1



Contents



Statement

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Printed in China 1.1 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.



 $\mathbf{\hat{y}}$ 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 always easily accessible.

3. Other Precautions

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4. WEEE (Waste Electrical and Electric Equipment)



This mark shown on the product or its literature indicates that the corresponding item should not be discarded at the end of its working life with other household waste. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate marked items from other types of waste and recycle them

responsibly to promote the sustained reuse of material resources. Household users should contact either the retailer where they purchased this product, or their local government office for details of where and how they can conduct environmentally safe recycling of such items. Commercial users should contact their suppliers and check the terms and conditions of purchase contracts. This product should not be combined with other commercial waste for disposal.

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



5. FCC WARNING

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense. -- Reorient or relocate the receiving antenna.

-- Increase the separation between the equipment and receiver.

-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.

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.





Ribbon Spindles





CD

Ribbon

Empty Ribbon Core



Quick Start Guide

Note: The packing materials are based on the order.



1.2 Appearance and Components



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

1.3 Dimension



Chapter 2 Specifications

Item		Parameter		
	Printing Method	Thermal transfer/Direct thermal		
	Resolution	STD 203dpi, OPT 300dpi		
Drinting	May Drinting Speed	6 ips (203dpi)		
Printing	Max. Printing Speed	4 ips (300dpi)		
	Max. Printing Width	108 mm(203dpi),106 mm(300dpi)		
	Max. Printing Length	2,286 mm(203dpi),1,524 mm(300dpi)		
Momony	RAM	128MB		
Memory	Flash	256MB		
Programmin	g Language	ZPL-II,TSPL		
Detection	Sensor	Print Frame Open Detect, Ribbon End Detect, Paper Our Detect, TPH Over Heating Detect, 2 Fixed See-through sensor, Full Range Reflective Detect, Position Detect		
	Types	Continuous Paper, Gap, Black Mark, Punched Hole Label		
	Width	1"(25.4)-4.65"(118 mm), include the liner		
Media	Thickness	0.002''(60um)-0.01''(250um)		
	Label Roll Diameter	5''(127 mm) Max		
	Core Diameter	0.5"(12.7 mm), 1"(25.4 mm). 1.5"(38 mm)		
	Туре	Wax, Wax/Resin, Resin		
Ribbon	Width	1.18"(30 mm)-4.33"(110 mm)		
ווטממוא	Length	984'(300 m)		
	Core Diameter	1''(25.4 mm)		
	Label Design Software	iDPRT Bartender Ultralite		
Software	Driver	Windows 7,8,10, server 2008,2012		
	Driver	CUPS for Linux and MAC OS		
Resident Fonts	Bitmap fonts	6, 8, 12, 16, 32, OCR A & B. 90°, 180°, 270° rotatable and 10 times expandable in horizontal and vertical directions		
	TTF fonts	Monotype CG Triumvirate™. 0°, 90°, 180°, 270° rotatable		



Item Para			Parameter		
Bit		ap fonts	90°, 180°, 270° rotatable and 10 times expandable in horizontal and vertical directions		
Download Fonts	Asia	n fonts	16x16, 24x24. Traditional Chinese, Simplified Chinese, Japanese, Korean, 90°,180°,270°, rotatable and 8 times expandable in horizontal and vertical directions		
	TTF 1	fonts	90°, 180°, 270° rotatable		
Barcodes	1D		Code 39, Code 93, EAN 8/13 (add on 2 & 5), UPC A/E (add on 2 & 5), I 2 of 5, Codabar, Code 128 (subset A,B, C), EAN 128, MSI, Plessey, Telepen, GS1 DataBar, Standard 2 of 5, Industrial 2 of 5, Code 11, Code 49		
	2D		PDF417, Data matrix code, QR code, Micro PDF417, Aztec code		
Code Pages			850, 852, 437, 860, 863, 865, 857, 861, 862, 855, 866, 737, 851, 869, WINDOWS 1250, 1251, 1252, 1253, 1254, 1255, 1257, UTF-8, UTF-16BE, UTF-16LE, DBCS 932 (JIS), 936(GBK), 949 (Koran), 950(BIG5)		
Graphics			Resident graphic file types are BMP and PCX, other graphic formats are converted by the software download		
Interfaces	Stan	dard	USB, Ethernet		
menaces	Interfaces Optional		Wi-Fi, Bluetooth		
Control Pan	el		Power switch button, FEED button, 2 indicating LED		
LCD Display			Not Support		
RTC Functio	n		Not Support		
Power Supp	bly		External AC/DC switching power adapter, AC 100V-240V/DC 24V/2.5A/60W, Peak 9A		
-		Operation	5 to 50℃@ humidity 25% to 85% non-condensing		
Environmen	IT	Storage	-40 to 60°C@ humidity 10% to 90% non-condensing		
Physical		Dimension (L*H*W)	308*250*180 mm		
Characterist	tic	Weight	About 2.9 kg		
Options & A	Acces	sory	Peeler Module, Cutter Module, External Label Roll Holder		
Agency App	oroval		CE EMC (EN 55022 Class B), FCC EMC (Class A), CCC, RoHS		

Chapter 3 Installation & Usage

3.1 Media Loading

3.1.1 Loading the Roll

1. Press to open the printer cover and mechanism.



2.Pull the roll holders open and place the roll between them. And press down the locking tab.





3.Pass the labels through label guides and adjust label guides to label's width.



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



3.1.2 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.





- 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 0000.



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 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 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

1.Power Light

Color	Action	Indicating Status
x	x	The printer is off
Green	On	Normal operation
Green	Slow flash	Dump mode

2.Status Light

Color	Action	Indicating Status	
x	x	The printer is off/standby/printing	
Red	On	Head up/paper out	
Red	Quick flash	Paper jam/label's separation	
Orange	On	Ribbon out	
Orange	Slow flash	Printing pause	
Green	On	Label calibration	
Green	Slow flash	Wait on demand	
Green	Quick flash	Receiving data	

3. Paper Container Light

Action	Indicating Status
On	Paper out/Paper jam/label's separation
Off	Head up/error elimination



Quick flash \rightarrow 0.2 second / every cycle Slow flash \rightarrow 1 second / every cycle **iDPRT**

3.6 Basic Function

3.6.1 Power on/ Power off

- When the printer is off, press the power button once, and printer will power on.
- 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

- 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".
- 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.
- 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.
- When the printer is in dump mode, press the feed button once, then back to the normal printing mode.
- When the indicator status flashes slowly(green), press the feed button once and printer will print a label.

3.6.3 Quick Calibration

Users must carry out the calibration under the conditions below:

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

Calibration method:

• 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.

• 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

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

2. Printing by Windows Driver Program

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

3. Printing by BarTender Ultralite Program

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

Chapter 4 Interface

4.1 USB Interface



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

4.2 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.



- 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.

4) After cleaning the parts, do not use the printer until the alcohol evaporates completely (1~2 min) and the printer has completely dried.



Chapter 6 Printer Utility Tool Instructions

6.1 Installation Preparation

Download application program in CD. E.g.: iDPRTUtility.exe

6.2 Usage

Note: The screen may vary slightly by different operating systems and models. Take printer iT4B as example.

1.Install "iDPRTUtility.exe", then open it.

🔅 Printer Utility V1.0.0.15					_ _ ×
Settings Fonts Stor	rage Function Test	> CMD >_ Command Test	Firmware	Download Fonts	System
	Common Bluetooth Ethernet WIF Ribbon Mode: After Printed: After Power On: After TPH Close: Protocol: Paper Type:		• • • •		
Cutting Counter:	Sensor Select:		▼ ▼ −120 ~ +12	20.444	
Get Printer Information	Print Speed:		-120 ~ +12 ips 0 to 30	20 dots	
Printer Status					
Get Status	Load Save			Set	et



2.Click "Settings".

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

🔅 Printer Utility V1.0.0.15		x
		tem
Interface Printer: IT 4B USB Ito Configure USB Pc USB COM Immation LPT ETH Serial Number:	Common Bluetooth Ethernet WIFI Ribbon Mode: After Printed: After Power On: After TPH Close: Protocol: Paper Type: Image: Image: Im	
Cutting Counter: Mileage: Get Printer Information Printer Status	Sensor Select: Buzzer Volume: Maximum Length: mm Tear Off: -120 ~ +120 dots Print Speed: ips Density: 0 to 30 	
Get Status	Load Save Set Get]





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

Printer Utility V1.0.0.15	
Settings Fonts Storage Function Test Command Test Firmware Dow	vnload Fonts System
Interface Common Bluetooth Ethernet WIFI	
Printer: IT4B Ribbon Mode:	
USB to Configure USB Pc After Printed:	
Version	
After TPH Close:	
Serial Number:	
Paper Type:	
Sensor Select:	
Cutting Counter: Buzzer Volume:	
Maximum Length: mm	
Mileage: Tear Off: -120 ~ +120 dots	
m Print Speed: ▼ ips	
Get Printer Information Density: 0 to 30	
Printer Status	
Load Save	Set Get
Get Status	



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

Printer Utility V1.0.0.15	n 📰	> CMD		Î	
	Orage Function Test	Command Test	Firmware	Download Fonts	System
USB 🔹 Ito Configure USB Pc	After Printed:	Tear off	•		
Printer Information	After Power On:	None	-		
Version:	After TPH Close:	None	•		
1.00.00 Serial Number:	Protocol:	TSPL	•		
SN88886666	Paper Type:	Label Paper	•		
	Sensor Select:	Auto	•		
Cutting Counter:	Buzzer Volume:	Standard	•		
0	Maximum Length:	200	mm		
Mileage:	Tear Off:	0	-120 ~ +12	20 dots	
9.19 m	Print Speed:	6	▼ ips		
Get Printer Information	Density:	8	0 to 15		
Printer Status					
Normal!					
	Load Save			Set G	et
Get Status					



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

Printer Utility V1.0.0.15				_ _ ×
	orage Function Test	> CMD >	mware Download Fonts	System
Interface	Common Bluetooth Ethernet	WIFI		
Printer: IT4B 🔻	Ribbon Mode:	ON 🗸		
USB 🔻 Ito Configure USB Pd	After Printed:	Tear off 🔹 🔻		
Printer Information	After Power On:	None		
Version:	After TPH Close:	None		
1.00.00 Serial Number:	Protocol:	TSPL		
SN88886666	Paper Type:	Label Paper 🗸		
	Sensor Select:	Auto		
Cutting Counter:	Buzzer Volume:	Standard 🗸		
0	Maximum Length:	200	mm	
Mileage:	Tear Off:	0	-120 ~ +120 dots	
9.19 m	Print Speed:	6	ips	
Get Printer Information	Density:	8	0 to 15	
Printer Status				
Normal!				
		٦		
	Load Save		Set G	et
Get Status				


(5) Click "Bluetooth", then set up the Bluetooth name and password. Click "Get" to gain the values of Mac address.

Common Bluetooth Ethernet WIFI					
Bluetooth Name:	it4b	(<=16 characters)			
Password:	5555	(4 characters)			
Mac address:	00 : 00 : 00	:00 :00 :00			
Simple Pairing	ON	•			

Load	Save	Set	Get



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

Common	Bluetooth	Ethernet	WIFI	
DHCP:			ON 🔻	
IP Addr	ess:		10 0 3 134	
Subnet	Mask:		255 255 255 0	
Default	Gateway:		10 0 3 1	
Mac ad	dress:		02 : 21 : 00 : EA : 18 : F0	

Load Save Set Get

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

Common Bluetooth Ethernet WIF	I
SSID:	IT4Bap5
Password:	12345678ap
Work Mode:	STA -
DHCP:	OFF
IP Address:	192 168 1 2
Subnet Mask:	255 255 255 0
Default Gateway:	192 168 1 1
Mac address:	
Need to set password:	NEED -
Load Save	Set Get



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.

Settings Fonts Storage Function Test Command Test Firmware Download Fonts System Interface
Printer: TT4B SSID: TT4Bap5
Password: 12345678ap
Printer Information Work Mode: STA
Version: DHCP: OFF
IP Address: 192 168 1 2
SN88886666 Subnet Mask: 255 255 0
Default Gateway: 192 168 1 1
Cutting Counter: Mac address: : : : : : : :
Need to set password:
Mileage:
9.19 m
Get Printer Information (1) (2)
Printer Status
Normal!
Load Save Set Get
Get Status



3.Click "Storage" to print image.

Download File							
File Type: Graphics Magnification: 1.0							
File Name: Download							
Free space: 119, 401, 472B; Uses space	Free space: 119,401,472B;Uses space286,790,656B.						
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, 656	68.	

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.

Download File						
File Type: Graphics 🔹	Magnification: 1.0	~				
File Name: C: \Users\Administrator\D	Jsers\Administrator\Desktop\1.bmp Download					
Free space:286,790,656B;Uses space119,401,472B.						
Graphics	Label Form	Auto Label Form				
ÎÏ£.bmp						
1.bmp						
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				



(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 1.0 Download Free space: 286,790,6568;Uses space 119,401,4728. 3.0 Download						
Graphics	Label Form	Auto Label Form				
ÎΣ.bmp ¼òµ¥.bmp 1.bmp						
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				



4.Click "Download Vector fonts".

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

Storage: FLASH	Select Font:		Download
Free space: Storage	119,401,472B;Uses spaceB. Fonts File Name	Input test text:(Length<256)	
	Delete		Print Text
	Delete All Fonts		

(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: Select Font: FLASH C:\Users\Administrator\Desktop\Fonts\Fonts\cour.ttf Download Downloading: 788 KB/788KB.					
	Te Name	text:(Length<256)			
Delete All	Printable I		(10-108)mm (10-210)mm	Print Text	



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

🔅 Printer Utility V1.0.0.15					
Settings Fonts Storage	Function Test	> CMD > _ Command Test	Firmware	Download Fonts	System
Interface Printer: IT4B USB Ito Configure USB Pc	Media Sensor Calibration	Restore Fac	ctory Default		
Printer Information Version: 1.00.00	Configuration Page	Media Sense W	aveform Printing		
Serial Number:	Pattern Print Testing	Advance Media S	Sensor Calibration		
Cutting Counter:	Cutter Cut Testing	Buzzer Fun	ction Testing		
Mileage: 9.19 m Get Printer Information					
Printer Status Normal!					
Get Status					



6.Click "System". Click "language" and choose the language of printer utility.

🔅 Printer Utility V1.0.0.15	
Settings Fonts Storage Function Test Con	> CMD Image: CMD > _ Image: CMD Image: CMD I
Printer: IT4B Language	
USB Vito Configure USB Pc English	About Help
Printer Information	
Version:	
1.00.00	IDPRT
Serial Number:	
SN88886666	Let Things Better.
System Options	Faster and Vital
Cutting Counter: D Mileage: 9.19 m Get Printer Information Printer Status Normal!	iDPRT is a brand new series that provides higher performance barcode printers those are capable for professional desktop label/barcode printer solutions.With our standalone function\ user-friendly interface\seamless upgrade resolution\varies 1D & 2D barcode\free Bartender software\completely compatible printer emulation ,iDPRT meets your needs for easy installation and upgradable from entry level to professional level.
Get Status	

Chapter 7 Seagull Windows Driver Instructions

7.1 Introduction

The following operating systems are supported:

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

7.2 Installation Preparation

Download Seagull Windows Driver application program in CD.



7.3 Installation



- Under different operating systems, the screen may be slightly different. Take Windows 10 as example.
- Take printer iT4B 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 "Specify Printer Model", then click "Next".

Seagull Driver Wizard
Specify Printer Model The manufacturer and model determine which printer driver to use.
Specify the model of your printer.
Printer Model
iDPRT iE4S (203 dpi)
iDPRT iE4S (300 dpi) iDPRT iT4B (203 dpi)
iDPRT iT4B (300 dpi)
iDPRT iT4E (203 dpi)
iDPRT iT4E (300 dpi) iDPRT iT4P (203 dpi)
Source: C:\Seagull\iDPRT\2021.1 M-1 Version: 2021.1.1 (04/06/2021) Browse
< Back Next > Cancel



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

Seagull Driver Wizar	d 📃 🔍	
Specify Printer Name Names are used to identify the printer on this computer and on the network.		
Enter a name for t	his printer.	
Printer name:	iDPRT iT4B (203 dpi)	
🔲 Use this printer	r as the default printer	
	r not you want to share this printer with other network users. When provide a share name. his printer	
Share name:	iDPRT_iT4B_(203_dpi)	
	< Back Next > Cancel	

10.Click"Finish".

Seagull Driver Wizard		
	Completing the Seagull Driver Wizard	
	A new printer will b	e installed using the following settings:
	Name:	iDPRT iT4B (203 dpi)
	Share name:	<not shared=""></not>
	Port:	USB001
	Default:	No
	Manufacturer:	IDPRT
	Model:	iDPRT iT4B (203 dpi)
	Version:	2021.1.1 (04/06/2021)
	Number of installed	d printers to be upgraded: 0
	To begin the driver	r installation process, click Finish.
		< Back Finish Cancel



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

Seagull Driver Wizard	×
	Seagull Driver Wizard Completed Successfully The following operations were completed successfully:
	Install Another Printer Close

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





- 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" \rightarrow "Devices and Printers". Right click the icon and choose "Printing preferences".





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

Page Setup Gra	phics Stock Options	About	
	ER (4.00 in x 4.00 in)	•	
	New Edit	Delete	
Preview	Orientation	Effects	
	Portrait	Mirror Image	
ALE	Landscape	Negative	
	Portrait 180°		
	Landscape 180°		
Preset			
Name: <cu< td=""><td colspan="2">Name: <current settings=""> Manage</current></td></cu<>	Name: <current settings=""> Manage</current>		
Advanced Options			
	© 2015-2021 Seagull Scientific, Inc., Authors of the BarTender® label software.		
OK Cancel Apply Help			



•Click "Stock" \rightarrow "Name", and choose the paper type.

idprt it4	8 (203 dpi) Printing Preferences	×	
Page Setup	Graphics Stock Options Abo	ut	
Stock			
Name:	USER (4.00 in x 4.00 in) USER (4.00 in x 4.00 in) 2 x 4 (2.00 in x 4.00 in) 4 x 4 (4.00 in x 4.00 in) 4 x 6 (4.00 in x 4.00 in)		
Preview -	4 x 6 (4.00 in x 6.00 in)	Mirror Image	
	 Pottali Landscape Portrait 180° Landscape 180° 	Negative	
Preset Name:			
Advanced Options			
© 2015-2021 Seagull Scientific, Inc., Authors of the BarTender® label software.			
(OK Cancel	Apply Help	



•Click "New Stock", and set up a new stock.

New Stock	×
Stock Name: New Stock Type: Die-Cut Labels Label Size Width: 4.00 in Height: 4.00 in Exposed Liner Widths Left: 0.05 in Right: 0.05 in	Preview
	OK Cancel Help

•Click "Edit Stock", and edit the stock.

New Stock	×
Stock Image: New Stock Type: Die-Cut Labels Die-Cut Labels Continuous (Fixed Length) Width: 4.00 in Exposed Liner Widths Left: Left: 0.05 in	Preview
	UK Cancel Help



•Click "Delete Stock", and delete the stock.



•Choose "Orientation" or "Effects", showed in the "Preview".

🖶 idprt it4b	(203 dpi) Printing	Preferences		X
Page Setup	Graphics Stock	Options Abou	,t	
Stock				
Name:	New Stock (4.00 in x	4.00 in)		
(New	Edit	De	lete
Preview	Orientation		Effects	
	Portrait		Mirror In	nage
ALE	Landsca	ipe	Negativ	e
	Portrait			
	Landsca	pe 180°		
Preset				
Name:	<current settings=""></current>		- Mar	nage
		[/	Advanced Opti	ons
	© 2015-2021 Seagull Scientific, Inc.,			
	Authors of the Ba			
	ок с	ancel	Apply	Help



•Click "Preset" \rightarrow "Name", and back to the default settings.



•Click "Manage", and change the settings.

Presets	×
Presets allow you to save your pr quickly switch between different	int settings with a name so that you can configurations.
Preset List	Preset Information
<current settings=""></current>	Name: <current settings=""></current>
<default settings=""></default>	D <u>e</u> scription:
	This preset contains this driver's A current settings.
- Prost Management	~
Preset Management	Delete Update
ОК	Cancel Help

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

Page Setup Grap	hics Stock Opt	ions About
Resolution:	203 dpi x 200 dp	pi
Dithering		
	*	None
	.	e Halftone
	•' I	Ordered
		Algebraic
		Error Diffusion
		Device Dithering
Color Ad	justment	Dithering Setup
Color		
Color Control:	Monochrome	•
Color Matching:		V
Color Re	gistration	Color Setup



.

.

IDPRT

4.Click "Stock".

Media Typ		urrent Printer Se urrent Printer Se	-		•
eed Mode					
Node:	Use Currer	nt Printer Setting	•	Pause	After Cut
ause:	No Pause			Interval:	
	ons Adjustment: st Position Ad				



5.Click "Option".

Darkness:	
Speed Settin	ngs ent Printer Settings
Print:	
Slew:	
Backfeed:	
Graphics Op	tions
Encoding:	Automatic 👻



•Click "Darkness". Set up the relative and absolute darkness.

Speed Setting	gs nt Printer Settings		
<u>P</u> rint:		\sim	
<u>S</u> lew:		\sim	
<u>B</u> ackfeed:		\sim	
Graphics Opti	ions		
<u>E</u> ncoding:	Automatic	\sim	

In general, the darkness of relative and absolute is 0 and 15 respectively. When the printing effect is too light, turn up the absolute darkness (<15). When the printing is too thick, turn down the absolute darkness (>15). The relative concentration remains unchanged.



•Click "Speed Settings". Set up the printing speed.

Darkness	aphics Stock Options About It Printer Settings Relative Absolute
<u>D</u> arkness:	7
Speed Setting	s it Printer Settings
<u>P</u> rint:	6.00 in/sec
<u>S</u> lew:	6.00 in/sec \checkmark
<u>B</u> ackfeed:	6.00 in/sec 🗸 🗸
Graphics Option	ons
Encoding:	Automatic 🗸 🗸
	OK Cancel <u>A</u> pply Help



7.4.2 Printer Properties

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





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

iddrt it4	iDPRT iT4B (203 dpi) Properties						×
F	onts		To	ools		Abou	t
General	Sharing	Ports	1	anced	Colo	r Management	Security
	idprt	iT4B (203)	dpi)				
Location:							
Commen	t:						
Model: Feature: Color: I	5	iT4B (203 c	dpi)	Paper a	vailabl	le:	
Double	-sided: No						*
Staple:							
	Unknown						
Maxim	um resolutio	on: 203 dpi					•
			Prefere	ences		Print Test F	age
		ОК		Cancel		Apply	Help

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

iDPRT iT4B (203 dpi) Properties						X	
Fonts To			Tools		Abou	t	
General	Sharing	Ports Advanced Col		Colo	r Management	Security	
iDPRT iT4B (203 dpi)							
Print to the f checked port			ocuments will pr Printer		the first free	•	
LPT3: Printer Port COM1: Serial Port		t	BCL510 (203 dpi)				
COM2: COM3:	Serial Por Serial Por Serial Por	rt			E		
FILE:	Print to F	ile					
USB001	USB 虚拟	打日小利し時	≣Ц iDPRI	114B (A	203 dpi)	Ŧ	
Add F	ort		Delete Port		Configure F	ort	
 Enable bidirectional support Enable printer pooling 							
	C	ОК	Cancel		Apply	Help	

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



- Under different operating systems, the screen may be slightly different. Take Windows 7 as example.
- Take printer iT4B 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".

BarTender - InstallShield Wizard	×
Select the language for the installation from the choices be	low.
English (United States)	•
OK Can	cel

3.Click "Install".

BarTender	- InstallShield Wizard
	ParTender requires the following items to be installed on your computer. Click Install to regin installing these requirements.
Status	Requirement
Pending	Microsoft .NET Framework 4.5.2 Full (Web Download)
	Install Cancel



4.Click "Next".

BarTender Setup	×
BarTender 2016 By seagull scientific	
Welcome to the BarTender Setup Wizard. This wizard will install BarTender 2016 R3 on your computer.	
< <u>B</u> ack <u>N</u> ext > Cancel	

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

BarTender Setup	۲.
License Agreement	
Please read the following license agreement carefully.	
End User License Agreement	
Seagull Scientific ("Seagull") grants you a non-exclusive license to use the accompanying computer software and related documentation ("Seagull Software"), subject to the following provisions. You assume full responsibility for the selection of the Seagull Software to achieve your intended results, and for the installation, use, and results obtained from the Seagull Software.	
Copyrighted Material: Only the TRIAL EDITION of Seagull's BarTender software may be copied and distributed freely. All other versions of BarTender are protected under standard copyright law and may not be copied.	
The license granted by this agreement for all non-Trial software is absolutely restricted to you and those acting on your behalf (such as employees or contractors) for your own use. You may make a copy of such Seagull Software only for backup purposes. You shall not: (1) permit any third party to use the Seagull Software; (2) allow access to the licensed software by timesharing; (3) modify the software; or (4) transfer or resell the software, software license, or product key code to another entity without the written	-
✓ I accept the terms in the license agreement	
< <u>B</u> ack <u>N</u> ext > Cancel	



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

BarTender Setup	×
Installation Options	
Features	
BarTender <u>D</u> esigner	
All <u>Translations</u>	
Sample Doc <u>u</u> ments	
Installation Folder	
Install to: C:\Program Files (x86)\Seagull\BarTender UltraLite	Bro <u>w</u> se
< <u>B</u> ack <u>N</u> ext >	Cancel

7.Click "Install".

BarTender Setup		×
Ready to Install		
BarTender will be installed using the following settings:		
Installation Folder: C:\Program Files (x86)\Seagull\BarTender UltraLite What to Install: BarTender Sample Documents		
	< <u>B</u> ack Install	Cancel



BarTender:	Setup 💽
Installa	tion Options
Features	
📘 🔽 В	arTender <u>D</u> esigner
🌖 📃 A	II <u>T</u> ranslations
🕒 👿 Sa	ample Doc <u>u</u> ments
Installation F	older
Install t <u>o</u> :	C:\Program Files (x86)\Seagull\BarTender UltraLite Browse
	< <u>B</u> ack <u>N</u> ext > Cancel

8.Click "Finish".

BarTender Setup
Installation Complete
The installation has completed successfully.
Run <u>B</u> arTender
Create Desktop Shortcut
Open Getting Started Manual
Drivers by Seagull If you have a label or card printer, or another type of specialty printer, it may have come with its own Windows printer drivers. However, even if it did, we strongly recommend that you instead install our Drivers by Seagull [™] for use with BarTender. Using Drivers by Seagull [™] , if they are available for your printer, ensures that you get the best possible printing features and performance when printing from BarTender. You can install Drivers by Seagull from the CD Start menu (if you have a CD) or by downloading them from www.seagullscientific.com.
< <u>B</u> ack <u>F</u> inish


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.)

Choose a BarTender Edition	
You are running the UltraLite edition. For the first 30 days, you have the option of trying out features from more powerful editions. These features are indicated in the BarTender user interface by "(Trial)" appearing after them. To continue using these "Trial Features" after the trial period ends, you would need to upgrade to a more powerful edition. You now have the option of selecting an edition with or without the "Trial Features" available. You can change your mind later using the Edition Selection option in the Help menu.	
 What would you like to do? Run the Enterprise Automation edition, with Trial Features enabled for 30 days. Run the Automation edition, with Trial Features enabled for 30 days. Run the Professional edition, with Trial Features enabled for 30 days. Run the Basic edition, with Trial Features enabled for 30 days. Run the UltraLite edition only. 	
OK]

2.Click "Start a new BarTender document".

BarTender	
Welcome!	
What would you like to	do?
Start a <u>n</u> ew	BarTender document
Open an ey	isting BarTender document
Don't show this dialog a	gain Close



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

New Document Wizard	×
Starting Point Select the starting point for the new document.	
You can start with a blank template, or base your new document on an existing one.	
Starting Point:	
Blank Template	
© Existing BarTender Document	
Select	
	< Back Next > Einish Cancel



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

New Document Wi	zard			×
Stock Selection			3597001 A7-1	
A Stock specifies the si position of the items or Stock or specify your o	ize of the page, and the size, number, a n the page. You may select a predefined wwn custom settings.	nd		
Specify Custom S	ettings			
Use a Predefined	Stock			
<u>⊂</u> ategory:		-		
Stoc <u>k</u> Name;		^		
		Ŧ		
			< Back Next >	Finish Cancel
			C Dack MCAT >	



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: 1 A Columns: 1 A	
< <u>E</u>	ack Next > Einish Cancel



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

New Doo	cument Wizard	
Side Edges Specify t	5 he characteristics of the sides of your media.	
Does your : the edge of	stock have a small amount of unused material between f the item and the edge of the page?	Preview:
	t does have some unused material on the sides does not	
Width of Ur	nused Area:	
<u>L</u> eft:	0.05 in	
<u>Rig</u> ht:	0.05 in	
		Template Size: 3.998 x 4 in
		< <u>Back</u> <u>Next</u> > <u>Finish</u> Cancel



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

New Document Wizard	
Printed Item Shape Specify the shape of your items.	
	Preview:
 <u>Rectangle</u> <u>Rounded Rectangle</u> <u>Ellipse</u> <u>C</u>ircle 	
	Template Size: 3.998 x 4 in
	< Back Next > Einish Cancel



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

New Docum	ent Wizar	d							— X—
Template Size Specify the si		item.					3597001 Ay2000 A7-		
Template Size:	User Def	fined Siz	e		-		Preview:		
<u>W</u> idth:	3.998	in	<u>H</u> eight:	4.0	in				
Note: Do no the item. Orientation — Portrait Dandscape Portrait 1 C Landscape - Effects — Mirror Ima	e 80 e 180	any of t	Negative	3	ling				
							Template S	Size: 3.998 x 4	lin
						< <u>B</u> a	ack <u>N</u> ext >	<u>F</u> inish	Cancel



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

New Document Wizard	×
Template Background Select a picture or color for your background.	
	Preview:
 Background Features Color Allows you to specify a fill color to use for the background. Picture Allows you to use a picture for the background. Template Image Allows you to display a picture of what you want your completed design to look like behind the design area. You can then design on top of that picture, making it easier to position and size objects. 	
	Template Size: 3.998 x 4 in
	< Back Next > Einish Cancel



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

New Document Wizard	X
Finished!	
When you press Finish, a new BarTender document will be created using the settings that you specified. Review:	Preview:
Starting Document: Blank Printer:	
Template Size: 3.998 x 4 in	
	Template Size: 3.998 x 4 in
	< <u>B</u> ack <u>N</u> ext > <u>F</u> inish Cancel



8.4.2 label Edit

1.Click the icon of code

2. Choose the code, then click "Select".

Select Barcode	
General Purpose Gisc / CD / DVD GS1 (by Application) GS1 (by Symbology) Health Care Pharmaceutical Postal / Shipping TLC All Symbologies (100)	Search Search Code 49 Search Code 93 Code 93 Code 128 Preview: Code 128 IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
	Also known as USS Code 128 Select Cancel Help

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.

Barcode Properties					×
Image: Symbology and Size Image: Symbology and Size Image: Symbology and Size Image: Symbology and Size	Symbology: Dimensions X Dimension:	Code 128	<u>R</u> atio:	Auto 👻	
Font Text Format Border Position Data Sources	Density: Symbology Spec ✓ Check Digit ☐ HIBC		<u>H</u> eight: C <u>o</u> de Set:	0.5 in	
12345678		C(FAN - 128) oplication Identifier Data So US, Western Europe (7-Bi		•	
	<u>C</u> olor:			Prin <u>t</u> Method	
			C	Close	elp

Finishing the change, click "Close".



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



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





7.Compose the text.



8. Finish all the settings. Click "Print" and a new label will be printed.