

# iT4 Series User Manual





iT4P

iT4X



iT4E



iT4S

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# **Changes Record**

Rev.	Date	Description
1.0	2017.04.10	
1.1	2017.12.08	Change the setting of the Ethernet Change the wireless pair code Change the using instruction of the tool Add the density setting in driver
1.2	2018.08.02	Change the Bluetooth password
1.3	2019.05.05	Change the position of the sensor
1.4	2019.08.27	Change the interface of the tool



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Printed in China 1.4 Version

# Warnings

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

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

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



# **Manual Information**

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

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

# **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.

 ${igsir}$  Warnings: Do not touch the printer head and connector in case static damage the printer

head.

#### 2. Instructions



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 down, it can be broken and you can hurt yourself.
- 3) Use the approved accessories only and do not try to disassemble, repair or remodel it by yourself.
  - Call your dealer when you need these services.
  - Do not touch the blade of auto cutter.
- 4) Do not let water or other foreign objects drop into the printer.
  - If this happened, switch off and unplug the printer before calling your dealer.
- 5) Do not use the printer when it is out of order. This can cause a fire or an electrocution.
  - Switch off and unplug the printer before calling your dealer.
- 6) Other considerations:
  - Place the printer on a solid and even base so that it cannot fall.
  - Leave enough space around printer for operation and maintenance.
  - Keep all liquids away from the printer.
  - Do not expose the printer to high temperatures, direct sunlight or dust.
  - Ensure the printer is connected to a socket with the correct mains voltage.
  - Switch off the printer POWER supply when it's not in use for a long time.
  - To ensure the printing quality and reliability, suggest use the same quality or recommend paper supplier.

• Pls. switch off the POWER supply when connect/disconnect all the ports or it will cause damage to the printer control circuit.

- Never carry out maintenance or repair work yourself. Always contact a qualified service Technician.
- Keep this User Manual in a place which is easily accessible at all times.

#### 3. Other Precautions

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#### 4. WEEE (Waste Electrical and Electric Equipment)



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

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

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

# **Chapter 1 Introduction**

# 1.1 Packing List



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.





Quick Start Guide

Note: The packing materials are based on the order.



# **1.2 Appearance and Components**

#### Front View



Rear View



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



#### Inside View





# 1.3 Dimension

Take printer iT4E as example.







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# **Chapter 2 Specifications**

					(3/1)
Item	I	Parameter			
Туре		iT4S	iT4E	iT4X	iT4P
	Printing Method	Thermal transfer,	/Direct thermal		
	Resolution	STD 203dpi,OPT	300dpi		
	Max.Printing	5 ips (203dpi)		8 ips (203dpi)	
Printing	Speed	4 ips (300dpi)		6 ips (300dpi)	
	Max.Printing Width	108 mm(203dpi),	108 mm(203dpi),106 mm(300dpi)		
	Max.Pringting Length	2,286 mm(203dp	i),1,524 mm(30	0dpi)	
Momory	RAM	128MB			
Memory	Flash	256MB			
Programmi	ng Language	ZPL-II,EPL-II,DPL			
Detection	Sensor	Print Frame Open Detect, Ribbon End Detect, Paper Out Detect, TPH Over Heating Detect, 2 Fixed See-through sensor, Full Range Reflective Detect, Position Detect			
	Types	Continuous Pape	Continuous Paper, Gap, Black Mark, Punched Hole Label		
	Width	1''(25.4)-4.65''(12	18 mm), include	the liner	
Media	Thickness	0.002''(60um)-0.0	01''(250um)		
Ivicula	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,R	Resin		
Dibbon	Width	1.18''(30 mm)-4.33''(110 mm)			
Ribbon	Length	984'(300 m)	984'(300 m)		
	Core Diameter	1''(25.4 mm)			
Cofficience	Label Design Software	iDPRT Bartender Ultralite			
Software	Driver	Windows 7,8,10,	server 2008,201	008,2012	
	Driver	CUPS for Linux and MAC OS			
Resident	Bitmap fonts	6, 8, 12, 16, 32, OCR A & B. 90°, 180°, 270° rotatable and 10 times expandable in horizontal and vertical directions			
Fonts	TTF fonts	Monotype CG Triumvirate™. 0°, 90°, 180°, 270° rotatable			atable
		-			



(3/2)

Item			Parar	neter	
Download Fonts	Bitmap fonts	90°, 180°, 270° and vertical dire	rotatable and 10 ti ections	mes expandable	in horizontal
	Asian fonts	Korean, 90°,18	16x16, 24x24. Traditional Chinese, Simplified Chinese, Japanese, Korean, 90°,180°,270°, rotatable and 8 times expandable in horizontal and vertical directions		
	TTF fonts	90°, 180°, 270°	rotatable		
1D Barcodes		I 2 of 5, Codaba	93, EAN 8/13 (add o ar, Code 128 (subse ataBar, Standard 2	t A,B, C), EAN 12	8, MSI, Plessey,
	2D	PDF417, Data matrix code, QR code, Micro PDF417, Aztec code			
Code Pages		869, WINDOWS UTF-8, UTF-16E	860, 863, 865, 857, 5 1250, 1251, 1252, 3E, UTF-16LE, 936(GBK), 949 (Kor	1253, 1254, 125	
Graphics		• .	ic file types are BM by the software dov		graphic formats
Interfaces	Standard	USB	USB,USB HOST, RS232, Ethernet	USB,RS232, Ethernet	USB,USB HOST,RS232, Ethernet
	Optional	Wi-Fi <i>,</i> Bluetooth	Parallel, Wi-Fi, Bluetooth	Wi-Fi <i>,</i> Bluetooth	Parallel, Wi-Fi, Bluetooth
Control Panel		Power switch b	utton, FEED button	, 2 indicating LED	)



(3/3)

Item			Param	eter		
LCD Display		Not Support	3.5" TFT LCD with Navigation Button	Not Support	3.5" TFT Color Touch Panel LCD	
<b>RTC</b> Function		Not Support	Standard	Not Support	Standard	
Power Supply		External AC/DC switching power adapter, AC 100V-240V/DC 24V/2A/48W, Peak 5A		External AC/DC switching power adapter, AC 100V-240V/DC 24V/2.5A/60W, Peak 9A		
Environment	Operation	5 to 50℃@ humidity 25% to 85% non-condensing				
Linnonnent	Storage	-40 to 60°C@ humidity 10% to 90% non-condensing				
Physical	Dimension (L*H*W)	308*250*180	mm			
Characteristic	Weight	About 2.9 kg				
Options & Aco	cessory	Peeler Module, Cutter Module, External Label Roll Holder			Holder	
Agency Approval		CE EMC (EN 55022 Class B), FCC EMC (Class A), CCC, RoHS			C, 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.



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 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.Directional Pad (only for printer iT4E)



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

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





• Enter Button: Common uses are to navigate to the sub-menus, change the values or to save the settings.

#### 4.Display (only for printer iT4E and iT4P)

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



#### Idle Display

- When the printer is power on, the idle display will appear.
- It contains printer's name, version number of the firmware, time and menu.



Home Menu Display

- When the printer is ready, press menu button for three seconds, and printer will come into home menu.
- User can operate the printer by display in home menu.





• There are numerous sub-menus displays and user can switch them by menu button and enter button.



**Operating Display** 



• When operating display appears, it means that printer is carrying the command that user has sent. After finishing the task, printer will return to the sub-menu display.





① The item with red frame: When the item is white, the relevant values could be changed both by

display operation and software instructions. When the item turns yellow, the relevant values have been protected and can only be changed by display operation.

② User can change the item into another status by clicking the corresponding value.



### 3.5.2 Display Operation



- The display operation of printer iT4E is controlled by directional pad.
- User can carry the display operation of printer iT4P by touch screen.
- The highlighted item represents that user has chosen the item needed.

In the following instructions, the example will be taken to show user how to operate the printer. Changing the speed of the printer:

1. Press the power button to open the printer's power.

2.Press the menu button for three seconds to enter the home menu, then choose the "Setting" item.

Ψ

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3.Enter the setting menu, then choose the "Printer Setup" item.





4.Enter the "Printer Setup" menu.

Х	Printer Setup		
	int 🏾 🕺 hod	💿 DT	ОΠ
	int <sup>©</sup> eed	4 ips	+
	int <sup>©</sup> ness	10	+

5. Move the selection highlight to "Print Speed" item by down arrow button

into the value needed by enter button

$\times$	Printer Setup		>	
	int <sup>®</sup> :hod	🖲 DT	0	Π
	int <sup>©</sup> eed	6 ips		+
	int <sup>©</sup> ness	10		+



6.Press the tick to save the values that have been changed.

<	Printer Setup		$\checkmark$
Rota	ation	0	
Afi Prir	ter <sup>©</sup> nted	None	
St Pos	op <sup>©</sup> ition	Automatic	

Finishing the above operation, user has changed the speed of the printer successfully.



- Much more detailed information of display menu needed, please refer to the appendix in the end.
- Pictures above are for your reference, and the display shows as the real printer does.

# 3.5.2 Indicator Status

#### 1.Power light

Color	Action	Indicating Status
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

1.USB (Type A)



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

#### 2.USB (Type B)



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



# 4.2 Other Optional Interfaces

# 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



# **iDPRT**

# 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.



# 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: iDPRTUtility.exe

# 6.2 Usage

# **Note:** The screen may vary slightly by different operating systems and models. Take printer iT4E as example.

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

Printer Utility V1.0.0.3			
🌣 Aa	ينا لينا ا		
Settings Fonts		Test Command Test	Firmware System
Interface Printer: iD2X	Common RS-232 Bluetooth Ethernet		
	Ribbon Mode:		]
USB  Config	After Printed:		]
Printer Information	After Power On:	▼	]
Version:	After TPH Close:		]
Serial Number:	Protocol:	<b>•</b>	]
	Paper Type:		
Cutting Counter:	Sensor Select:		
	Buzzer Volume:		
Mileage:	Maximum Length:		mm
m	Tear Off:		-120 ~ +120 dots
Get Printer Information	Print Speed:	· · · · · · · · · · · · · · · · · · ·	ips
Printer Status	Density:		0 to 30
	Reprint When Error:		
	Heat Adjust:		
	Load Save		Set Get
Get Status	RTC Setting		





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

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

Printer Utility V1.0.0.3			
🌣 Aa		> CMD > _	
Settings Fonts	Storage Fi	unction Test Command Tes	t Firmware System
Interface	Common ZPL DPL RS-2	32 Bluetooth Ethernet WIFI	
Printer: IT4E	Ribbon Mode:		•
USB  Config	After Printed:		•
ICOM rmation	After Power On:		•
ETH	After TPH Close:		•
Serial Number:	Protocol:		•
	Paper Type:		•
Cutting Counter:	Sensor Select:		-
Mileage:	Buzzer Volume:		•
mileage:	Maximum Length:		mm
Get Printer Information	Tear Off:		-120 ~ +120 dots
Get Printer Information	Print Speed:		▼ ips
Printer Status	Density:		0 to 30
	Load	ave	Set Get
Get Status	RTC Setting		



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

Printer Utility V1.0.0.3			
🌣 Aa		> CMD > _	
Settings Fonts	s Storage Function	Test Command Test	Firmware System
Interface	Common ZPL DPL RS-232 Bluetoo	th Ethernet WIFI	
Printer: IT4E V	Ribbon Mode:	-	
USB  Config	After Printed:		
Printer Information	After Power On:		
Version: V10.02.11	After TPH Close:		
Serial Number:	Protocol:		
IT4E0018180081	Paper Type:	-	
Cutting Counter:	Sensor Select:		
1	Buzzer Volume:		
Mileage:	Maximum Length:		mm
976.55 m	Tear Off:		-120 ~ +120 dots
Get Printer Information	Print Speed:		ips
Printer Status	Density:		0 to 30
	Load Save		Set Get
Get Status	RTC Setting		



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

Printer Utility V1.0.0.3			
🍄 Aa		> CMD > _	
Settings Fonts	Storage Function	Test Command Test	Firmware System
Interface	Common ZPL DPL RS-232 Bluetoot	h Ethernet WIFI	
Printer: IT4E -	Ribbon Mode:		]
USB  Config	After Printed:		
Printer Information	After Power On:		
Version:	After TPH Close:		
V10.02.11	Protocol:	· · · · · · · · · · · · · · · · · · ·	
Serial Number: IT4E0018180081	Paper Type:		
Cutting Counter:	Sensor Select:	· · ·	
1		· · · · · · · · · · · · · · · · · · ·	
Mileage:	Buzzer Volume:	•	
976.55 m	Maximum Length:		mm
Get Printer Information	Tear Off:		-120 ~ +120 dots
	Print Speed:		ips
Printer Status	Density:		0 to 30
Idle!			
	Load Save		Set Get
Get Status	RTC Setting		





(4) Choose "Common" and click "Get". In this menu, user can get the information the protocol, media sensor, speed, density and so on.

Printer Utility V1.0.0.3			
🌣 Aa		> CMD > _	
Settings Fonts		est Command Test	Firmware System
Interface Printer: IT4E	Common ZPL DPL RS-232 Bluetooth	n Ethernet WIFI	
	Ribbon Mode:	ON 🔻	]
USB  Config	After Printed:	Tear off 🔹 🔻	]
Printer Information	After Power On:	None	]
Version: V10.02.11	After TPH Close:	None	
Serial Number:	Protocol:	AUTO 🔻	
IT4E0018180081	Paper Type:	Gap 🔻	
Cutting Counter:	Sensor Select:	Transmissive 🔻	
1	Buzzer Volume:	Low	
Mileage:	Maximum Length:	500	mm
976.55 m	Tear Off:	0	-120 ~ +120 dots
Get Printer Information	Print Speed:	8	ips
Printer Status	Density:	15	0 to 30
Idle!	Density:		0.000
	Load Save		Set Get
Get Status	RTC Setting		



#### (5) Click "RS-232", then set up the baud rate, data bits, parity and flow control.

Printer Utility V1.0.0.3					
🌣 Aa			> CMD > _		<b>H</b>
Settings Fonts	Storage	Function Test	Command Test	Firmware	System
Interface	Common ZPL DPL	RS-232 Bluetooth Et	hernet WIFI		
Printer: IT4E	Baud Rate:	115200	•		
USB  Config	Data Bits:	8	•		
Printer Information Version:	Parity:	None	•		
V10.02.11	Flow Control:	RTS/CTS	•		
Serial Number:					
IT4E0018180081					
Cutting Counter:					
1					
Mileage: 976.55 m					
976.55 m					
Get Printer Information					
Printer Status					
Idle!					
	Load	Save		Set	Get
Get Status	RTC Settin	ng			



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

Settings Fonts	Storage	Function Test	> CMD > _	Many turn	<b>I</b>
Jettings Tonts		i unction rest		Firmware	System
		RS-232 Bluetooth Ether	rnet WIFI	Tittiware	System
Printer: T4E  Blue USB  Config Pa	uetooth Name: assword: ac address:	Π     232       Π     0000	(<=16 characters) (4 characters) : : : : : : : :		
Get Printer Information Printer Status Idle!					
Get Status	Load RTC Settin	Save		Set	Get



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

Printer Utility V1.0.0.3					X
🌣 Aa	الك ا		> CMD > _		Ę
Settings Fonts	Storage		Command Test	Firmware	System
Interface Printer: IT4E	Common ZPL DPL	RS-232 Bluetooth Et	hernet WIFI		
	DHCP:	ON	•		
USB  Config	IP Address:	0 0	0 0		
Printer Information	Subnet Mask:				
Version:	Default Gateway:				
V10.02.11	Mac address:				
Serial Number: IT4E0018180081	Mac address:	AC: DE	: 48 : FF : FF	: FF	
Cutting Counter:					
1					
Mileage:					
976.55 m					
Get Printer Information					
Printer Status					
Idle!					
			ſ	C-1	
	Load	Save	l	Set	Get
Get Status	RTC Setti	ng			



(8)	Click "WIFI"	, then set u	p the name,	password	and so on.
-----	--------------	--------------	-------------	----------	------------

Printer Utility V1.0.0.3		x
🍄 Aa		
Settings Fonts		
Interface Printer: IT4E	Common ZPL DPL RS-232 Bluetooth Ethernet WIFI	
	SSID: IT4	
USB  Config	Password: 12345678 (>=8 characters)	
Printer Information	Work Mode:	
Version: V10.02.11	DHCP:	
Serial Number:	IP Address:	
IT4E0018180081	Subnet Mask:	
Cutting Counter:		
1	Default Gateway:	
Mileage:	Mac address:	
976.55 m		
Get Printer Information		
Printer Status		
	Load Save Set Get	
Get Status	RTC Setting	



(9) Click "RTC Setting". Click "Get System Date Time" to get the values, and click "Setup" to save them. Then click "Close", and back to the main menu.

💮 RTC Setup		x
Year:	2019	Get System DateTime
Month:	8	
Date:	27	
Hour:	15	Setup
Minute:	28	
Second:	02	Close



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

Drinter Utility V1.0.0.3	
Settings Fonts	
Interface	Common ZPL DPL RS-232 Bluetooth Ethernet WIFI
Printer: IT4E •	SSID: IT4
USB  Config	Password: 12345678 (>=8 characters)
Printer Information Version:	Work Mode:
V10.02.11	DHCP:
Serial Number:	IP Address:
IT4E0018180081	Subnet Mask:
Cutting Counter:	Default Gateway:
Mileage:	Mac address:
976.55 m	
Get Printer Information	
Printer Status	
Idle!	(1)  (2)
	Т Т
	Load Save Get
Get Status	RTC Setting



# 3.Click "Storage" to print image.

Download File						
File Type: Graphics   Magnification: 1.0						
File Name: Download						
Free space: 119, 401, 472B; Uses spa	ce286,790,656B.					
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	le Type: Graphics   Magnification: 1.0					
File Name:     C:\Users\Administrator\Desktop\1.bmp       Download						
Free space: 286, 790, 656B; Uses space	e119,401,472B.					
Graphics	Label Form	Auto Label Form				
ÎΣ.bmp <u>14êµ¥.bmp</u> 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	<b></b>
File Name: C:\Users\Administrator\ Free space:286,790,656B;Uses spa	2.0	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 Free space:	Select Font:		Download
Storage	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).



OK





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

Storage:	Select Font:			
FLASH	<ul> <li>C:\Users\Administrat</li> </ul>	tor\Desktop\Fonts\Fonts	\cour.ttf	Download
Download	ling: 788 KB/788KB.			
Free space	e:1,069,056B;Uses space1,00	3,520B.		
Storage	Fonts File Name	Input test text:(Lengt	:h<256)	
FLASH	COUR.TTF	abc123		
FLASH	CYR.TTF			
	Delete	Printable Width:	30 (10-108)mm	
		Printable Height:	30 (10-210)mm	Print Text
	Delete All Fonts			



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

Settings Aaa   Fonts Storage   Function Test   Interface   Printer   If#   USB   Config      Media Sensor Calibration   Nersion:   V10.02.11   Serial Number:   If#C018180081   Cutting Counter:   1   Melage:   976.55   m   Get Printer Information   Printer Status   Idel   Configuration   Number:   Image:   976.55   Cutter Cut Testing   Buzzer Function Testing   Buzzer Function Testing	Printer Utility V1.0.0.3			
Interface         Printer:       IT4E         USB       Config         Media Sensor Calibration       Restore Factory Default         Printer Information       Version:         V10.02.11       Configuration Page         Serial Number:       Configuration Page         IT4E0018180081       Cutting Counter:         1       Pattern Print Testing         Advance Media Sensor Calibration       1         Mileage:       976.55         976.55       m         Get Printer Information       Cutter Cut Testing         Printer Status       Printer Status				
Printer:       IT4E         USB       Config         Printer Information       Media Sensor Calibration         Version:       V10.02.11         Value       Configuration Page         Serial Number:       Configuration Page         IT4E0018180081       Cutting Counter:         1       Pattern Print Testing         Mileage:       976.55         976.55       m         Get Printer Information       Cutter Cut Testing         Printer Status       Pattern Print Testing		Storage Function	Test Command Test Firmware	System
USB       Config         Printer Information       Media Sensor Calibration         Version:       V10.02.11         Version:       Configuration Page         Media Sense Waveform Printing         Serial Number:       Configuration Page         IT-4E0018180081       Pattern Print Testing         Advance Media Sensor Calibration         1       Mileage:         976.55       m         Get Printer Information         Printer Status				
Media Sensor Calibration       Restore Factory Default         Printer Information       Version:         V10.02.11       Configuration Page         Serial Number:       Iffection Page         IT4E0018180081       Pattern Print Testing         Advance Media Sensor Calibration       Advance Media Sensor Calibration         I       Pattern Print Testing         Mileage:       976.55         get Printer Information       Cutter Cut Testing         Printer Status       Printer Status				
Version:       V10.02.11         Serial Number:       Configuration Page         IT4E0018180081       Pattern Print Testing         Cutting Counter:       Pattern Print Testing         Mileage:       976.55         976.55       m         Get Printer Information       Cutter Cut Testing         Printer Status       Printer Status	USB  Config	Media Sensor Calibration	Restore Factory Default	
V10.02.11       Configuration Page       Media Sense Waveform Printing         Serial Number:       IT4E0018180081       Pattern Print Testing       Advance Media Sensor Calibration         Cutting Counter:       Pattern Print Testing       Advance Media Sensor Calibration         Mileage:       976.55       m       Cutter Cut Testing       Buzzer Function Testing         Printer Status       Printer Status       Printer Status       Sense Waveform Printing	Printer Information			
Serial Number:     IT4E0018180081       Cutting Counter:     Pattern Print Testing       1     Mileage:       976.55     m       Get Printer Information   Printer Status	Version:			
IT4E0018180081         Cutting Counter:         1         Mileage:         976.55         m         Get Printer Information    Printer Status	V10.02.11	Configuration Page	Media Sense Waveform Printing	
Cutting Counter:       1         1       Mileage:         976.55       m         Get Printer Information       Cutter Cut Testing         Printer Status       Advance Media Sensor Calibration	Serial Number:			
1       Mileage:       976.55       m       Get Printer Information   Printer Status	IT4E0018180081			
Mileage:     976.55     m       Get Printer Information     Cutter Cut Testing       Printer Status	Cutting Counter:	Pattern Print Testing	Advance Media Sensor Calibration	
976.55     m     Cutter Cut Testing     Buzzer Function Testing       Get Printer Information     Printer Status     Function Testing	1			
Get Printer Information				
Printer Status	976.55 m	Cutter Cut Testing	Buzzer Function Testing	
	Get Printer Information			
Ide!				
	Idle!			
Get Status	Get Status			



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



# **Chapter 7 Seagull Windows Driver Instructions**

# 7.1 Introduction

The following operating systems are supported:

- Windows 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 7 as example.
- Take printer iT4E 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".

Windows Printer Drivers	<b>—</b>
License Agreement	SEAGULL
WINDOWS PRINTER DRI LICENSE AND LIMITED WARRANT	
Seagull Scientific, Inc. ("Seagull") grants you a non-exclusive li accompanying Windows Printer Driver(s) and related documen Software"), subject to the following provisions. You assume f selection of the Seagull Software to achieve your intended res installation, use, and results obtained from the Seagull Software	tation ("Seagull iull responsibility for the ults, and for the
Both the software and the related material are Copyrighted and Title to and all rights and interests in the Seagull Software, whe whatever media, are and shall remain the property of Seagull	erever resident and on
<ul> <li>I accept the terms in the license agreement</li> <li>I do not accept the terms in the license agreement</li> </ul>	
< <u>B</u> ack	Next > Cancel



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

Windows Printer Drive	rs		×
Installation I Please select the direct	Directory tory to unpack the software.	<b>SE</b>	<b>AGULL</b>
	packed to the directory listed below. To ath or click Browse to select a different		ferent directory,
Installation Directory:	C:\Seagull		Browse
	Space required on drive:		43.6 MB
	Space available on selected drive:		14.7 GB
	< <u>B</u> ack	Next >	Cancel

6.Click "Finish".





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

Seagull Driver Wizard		×
	Welcome to the Seagull Driver Wizard This wizard helps you install and remove printer drivers.	
	What would you like to do? <ul> <li>Install printer drivers</li> <li>Remove printer drivers</li> </ul>	
	Please save all work and close all applications before proceeding. This process may require Windows to be restarted.	
	< <u>B</u> ack Next > Can	cel

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

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

Seagull I	Seagull Driver Wizard			
	and Play Printer Detection New Plug and Play printers are automatical	ly detected for installation.		
Selec	t the printer driver to install.			
۲	Install a driver for a Plug and Play printer			
	Printer Model	Port		
	iDPRT iT4E (203 dpi) - ZPL	USB001		
Ô	Install a driver for another printer			
		< <u>B</u> ack <u>N</u> ext > Cancel		



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

Seagull Driver Wizard	d 🗾
Specify Printer I Names are use	Name ed to identify the printer on this computer and on the network.
Enter a name for t	his printer.
Printer name:	iDPRT iT4E
<b>V</b> Use this printer	as the <u>d</u> efault printer
	not you want to share this printer with other network users. When provide a share name. is printer
Share name:	iDPRT_iT4E_(203_dpi)ZPL
	< <u>B</u> ack <u>N</u> ext > Cancel

#### 10.Click"Finish".



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

Seagull Driver Wizard		×
	Seagull Driver Wizard Complete Successfully The following operations were completed successfully:	d
	Installed printer 'iDPRT iT4E'.	*
	Install Another Printer	se

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"→"Devices and Printers". Right click the icon and choose "Printing preferences".





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

🖶 idprt it4e	🖶 iDPRT iT4E Printing Preferences 🛛 💽			
Page Setup Stock <u>N</u> ame:	Graphics Stock Options About			
<u>H</u> unic.	USER (4.00 in x 4.00 in)         ▼           New         Edit         Delete			
Preview	Orientation			
	Ortrait     Mirror Image			
ALE	<ul> <li> <u>L</u>andscape             ○ Landscape             ○ Portrait 180°             ○ Landscape 180°         </li> </ul>			
Preset				
N <u>a</u> me:	<default settings=""> ▼ Manage</default>			
	Ad <u>v</u> anced Options			
	© 1998-2016 Seagull Scientific, Inc., Authors of the BarTender® label software.			
(	OK Cancel Apply Help			





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

🖶 idprt it4	E Printing Preferences	<b>—</b> ×-
Page Setup	Graphics Stock Options Abo	ut
Stock	1055 (4 00 - 4 00 - 1	
<u>N</u> ame:	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)	
Preview	4 x 6 (4.00 in x 6.00 in)	Mirror Image
ALE	Landscape	Negative
	Portrait 180° Landscape 180°	
Preset		
N <u>a</u> me:	<default settings=""></default>	▼ <u>M</u> anage
		Ad <u>v</u> anced Options
	© 1998-2016 Seagull Scienti Authors of the BarTender® labe	
	OK Cancel	Apply Help



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

Edit Stock	:				<b>—</b> ×
Stock – <u>N</u> ame: Type:	New Stock Die-Cut Labels			Preview	
Label Si <u>W</u> idth:	ze 4.00 in	Height	4.00 in		٦
Exposed Left:	d Liner Widths 0.05 in	<u>R</u> ight:	0.05 in		
				OK Cancel	Help

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

Edit Stock				X
Stock <u>N</u> ame: Type:	USER Die-Cut Labels		<b>(</b> ₽	Preview
Label Siz <u>W</u> idth:	4.00 in	Height	4.00 in	
Exposed Left:	Liner Widths 0.05 in	<u>Rig</u> ht:	0.05 in	
				OK Cancel Help



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



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

🖶 idprt it4	🖶 iDPRT iT4E Printing Preferences 🧮					
Page Setup	Graphics Stock Options About					
Stock						
<u>N</u> ame:	USER (4.00 in x 4.00 in)					
	Ne <u>w</u> <u>E</u> dit <u>D</u> elete					
Preview	Orientation Effects					
ALE	Landscape					
	○ Portrait 180°					
	Land <u>s</u> cape 180°					
Preset Name:	<default settings=""></default>					
	Advanced Options					
	© 1998-2016 Seagull Scientific, Inc., Authors of the BarTender® label software.					
(	OK Cancel Apply Help					



🖶 idprt it4	E Printing Preferences
Page Setup	Graphics Stock Options About
<u>N</u> ame:	USER (4.00 in x 4.00 in)
	New         Edit         Delete
Preview -	Orientation       Effects <ul> <li>● Portrait</li> <li>● Landscape</li> <li>● Portrait 180°</li> <li>● Landscape 180°</li> </ul> <ul> <li>■ Negative</li> </ul>
Preset N <u>a</u> me:	<current settings=""></current>
	© 1998-2016 Seagull Scientific, Inc., Authors of the BarTender® label software.
	OK Cancel <u>A</u> pply Help




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

🖶 idprt it4	E Printing Preferences				
Page Setup	Graphics Stock Options About				
Stock	Stock				
<u>N</u> ame:	USER (4.00 in x 4.00 in)				
	Ne <u>w</u> <u>E</u> dit <u>D</u> elete				
Preview	Orientation				
ALE	Landscape Negative				
	Portrait 180°				
	── ── ── ── ── ── ── ── ── ── ── ── ──				
Preset					
Name:	<current settings=""></current>				
	<current settings=""></current>				
	<default settings=""> Advanced Options</default>				
© 1998-2016 Seagull Scientific, Inc., Authors of the BarTender® label software.					
(	OK Cancel Apply Help				





•Click "Manage", and change the settings.

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



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

🖶 iDPRT iT4E Printing Preferences 🛛 💽				
Page Setup Graphics Stock Options About				
Resolution: 203 dpi x 203 dpi 🗸				
Dithering				
<ul> <li><u>N</u>one</li> <li><u>H</u>alftone</li> <li><u>O</u>rdered</li> <li><u>Algebraic</u></li> <li><u>Error Diffusion</u></li> <li>Device Dithering</li> </ul>				
Color				
Color Control: Monochrome				
Color Matching:				
Color Registration Color Setup				
OK Cancel Apply Help				



4.Click "Stock".

iDPRT iT4E Printing Preferences				
Page Setup Graphics Stock Options About				
Media Settings				
Print Method: Use Current Printer Setting				
Media <u>T</u> ype: Use Current Printer Setting				
Feed Mode Mode: Use Current Printer Setting  Pause After Cut				
Pause: No Pause   Interval: 1				
Feed Options         Set Top Adjustment:         Set Rest Position Adjustment:				
OK Cancel <u>A</u> pply Help				



•Set up the print method.

iDPRT iT4E Printing Preferences				
Page Setup Graphics Stock Options About				
Media Settings				
Print Method: Use Current Printer Setting				
Media <u>Type</u> : Use Current Printer Setting Direct Thermal Thermal Transfer				
Feed Mode				
Mode: Use Current Printer Setting  Pause After Cut				
Pause: No Pause   Interval: 1				
Pause: No Pause     Feed Options   Set Top Adjustment:   Set Rest Position Adjustment:				
OK Cancel Apply Help				



ς.

•Set up the media type.

🖶 iDPRT iT4E Printing Preferences				
Page Setup Graphics Stock Options About				
Media Settings				
Print Method: Use Current Printer Setting				
Media <u>Type:</u> Use Current Printer Setting				
Use Current Printer Setting Continuous				
Non Continuous (Web Sensing)				
Feed Mode Non Continuous (Mark Sensing)				
Mode: Use Current Printer Setting  Pause After Cut				
Pause: No Pause   Interval: 1				
Food Ortigon				
Feed Options				
Set <u>R</u> est Position Adjustment:				
OK Cancel Apply Help				



•Click "Feed Mode"  $\rightarrow$  "Mode", and choose the method of media handing.

🖶 iDPRT iT4E Printing Preferences				
Page Setup Graphics Stock Options About				
Media Settings				
Print Method: Use Current Printer Setting				
Media Type: Use Current Printer Setting				
Feed Mode				
Mode: Use Current Printer Setting Pause After Cut				
Pause: Use Current Printer Setting Tear Off Peel Off Cut				
Feed Options         Set Top Adjustment:         Set Rest Position Adjustment:				
OK Cancel Apply Help				



5.Click "Option".	
	iDPRT iT4E Printing Preferences
	Page Setup Graphics Stock Options About
	Darkness       Image: Current Printer Settings       Image: Current Pr
	Speed Settings Use <u>C</u> urrent Printer Settings
	Print:
	Slew:
	Backfeed:
	Graphics Options
	Encoding: Automatic
	OK Cancel Apply Help



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

🖶 iDPRT iT4E Printing Preferences
Page Setup Graphics Stock Options About
Darkness       Image: Current Printer Settings       Image: Relative image: Relative image: Current Printer Settings       Image: Relative image: Relatimage: Relative image: Relative image: Relative image:
Speed Settings Use <u>C</u> urrent Printer Settings
Print:
<u>S</u> lew:
Backfeed:
Graphics Options <u>Encoding</u> : <u>Automatic</u>
OK Cancel Apply Help

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.

Page Setup Gr Darkness	inting Preferences
<u>D</u> arkness:	0
Speed Setting	s nt Printer Settings
<u>P</u> rint:	3.00 in/sec 🔹
<u>S</u> lew:	2.00 in/sec 3.00 in/sec
<u>B</u> ackfeed:	4.00 in/sec 5.00 in/sec
Graphics Option	ons
Encoding:	Automatic 🔹
	OK Cancel <u>Apply</u> Help



### 7.4.2 Printer Properties

1.Click "Start"→"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.

🧒 iDPRT iT4E Pi	😸 iDPRT iT4E Properties 📃 💌				
Fonts		Tools	Tools		t
General Sharing Ports		Advanced	Color	Management	Security
	idprt it4e				
Location:					
Comment:					
M <u>o</u> del: Features Color: No	iDPRT iT4E (203 d	•	available	:	
Double-sid	led: No				*
Staple: No					
Speed: Uni	known				
Maximum	resolution: 203 dpi				Ŧ
		Pr <u>e</u> ferences		Print <u>T</u> est P	age
	ОК	Cance		Apply	Help



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

**iDPRT** 

🖶 iDPRT iT4E Pi	iDPRT iT4E Properties				
Fonts		Tools	Abou	Jt	
General S	General Sharing Ports		Color Management	Security	
	iDPRT iT4E <u>Print to the following port(s). Documents will print to the first free</u>				
Port	Description	Printer		*	
LPT3:	Printer Port				
COM1:	Serial Port				
COM2:	Serial Port			=	
COM3:	Serial Port			=	
COM4:	Serial Port				
FILE:	Print to File				
<b>USB001</b>	Virtual printer po	ort for iDPRT i1	T4E	-	
Add P	Add Por <u>t</u> <u>D</u> elete Port <u>C</u> onfigure Port				
	☑ Enable bidirectional support   ☑ Enable printer pooling				
	ОК	Cancel	Apply	Help	

# 7.5 Label's Width

USER(4.00 in x 4.00 in) 2x4(2.00 in x4.00 in) 4x4(4.00 in x4.00 in) 4x6(4.00 in 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, 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 iT4E 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	<b>—</b>
Select the language for the in:	stallation from the choices below.
English (United States)	•
	OK Cancel

3.Click "Install".





#### 4.Click "Next".

BarTender Setup	×
BarTender® 2016	
iDPRT Special Edition BarTender 2016 R3	
Welcome to the BarTender Setup Wizard. This wizard will install BarTender 2016 R3 on your computer.	
< <u>B</u> ack <u>N</u> ext > Cance	

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

BarTender Setup		
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	<b>—</b> ×-
Installation Options	
Features	
BarTender <u>D</u> esigner	
All <u>Translations</u>	
Image: Sample Documents	
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 S	Setup 💌
Installa	tion Options
Features	
📘 🔽 Ba	arTender <u>D</u> esigner
🌖 🔲 A	II <u>T</u> ranslations
🕒 🔽 Sa	ample Doc <u>u</u> ments
Installation Fo	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>Einis</u>	h



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.
<ul> <li>What would you like to do?</li> <li>Run the Enterprise Automation edition, with Trial Features enabled for 30 days.</li> <li>Run the Automation edition, with Trial Features enabled for 30 days.</li> <li>Run the Professional edition, with Trial Features enabled for 30 days.</li> <li>Run the Basic edition, with Trial Features enabled for 30 days.</li> <li>Run the UltraLite edition only.</li> </ul>
OK

2.Click "Start a new BarTender document".





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 > Finish Cancel



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

New Document Wi	zard			<b>—</b> ×
Stock Selection			3597001 A7-	
A Stock specifies the si position of the items or Stock or specify your o	ize of the page, and the size, number, ar n the page. You may select a predefined wyn custom settings.	nd		
Specify Custom S	ettings			
O Use a Predefined				
⊆ategory:		-		
Stoc <u>k</u> Name:		*		
		-		
	٠			
			< <u>B</u> ack Next >	<u>F</u> inish 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	<b>—</b>
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	
Columns: 1	
< <u>E</u>	lack Next > Einish Cancel



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

New Docu	ument Wizard	
Side Edges Specify the	e characteristics of the sides of your media.	
Does your st the edge of	tock have a small amount of unused material between the item and the edge of the page?	Preview:
	does have some unused material on the sides loes not	
Width of Unu	used Area:	
<u>L</u> eft:	0.05 in	
<u>R</u> ight:	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:
<ul> <li><u>Rectangle</u></li> <li><u>Rounded Rectangle</u></li> <li><u>Ellipse</u></li> <li><u>O</u> <u>C</u>ircle</li> </ul>	
	Template Size: 3.998 x 4 in
	< <u>B</u> ack Next > <u>F</u> inish Cancel



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

New Docum	ent Wizar	d						<b>—</b> ×	;
Template Size Specify the si		item.					3597001 A7-1		
Template Size:	User De	fined Siz	e		•		Preview:		
<u>W</u> idth:	3.998	in	<u>H</u> eight:	4.0	in				
Note: Do nu the item. Orientation — Portrait Dandscape Portrait 1 C Landscape - Effects — Effects —	e 80 e 180	any of t	he unused area	3	ding				
							Template Siz	ze: 3.998 x 4 in	
						< <u>B</u>	ack Next >	<u>F</u> inish Cancel	]



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

New Document Wizard	<b>×</b>
Template Background Select a picture or color for your background.	
	Preview:
<ul> <li>Background Features</li> <li>Color</li> <li>Allows you to specify a fill color to use for the background.</li> <li>Picture</li> <li>Allows you to use a picture for the background.</li> <li>Template Image</li> <li>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.</li> </ul>	
	Template Size: 3.998 x 4 in
	< <u>B</u> ack <u>Next</u> > <u>Finish</u> Cancel



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

New Document Wiza	rd		
Finished!			
When you press Finish, a created using the setting Review:	a new BarTender document will be is that you specified.	Pre	eview:
Starting Document: Printer: Template Size:	Blank iDPRT iT4E 3.998 x 4 in		
		< <u>B</u> ac	Template Size: 3.998 x 4 in           Einish         Cancel



# 8.4.2 label Edit

1.Click the icon of code

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

Select Barcode	
Select Barcode	Search  Search  Code 49  Search  Code 93  Code 93  Code 128  Preview: Code 128  IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
	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: Image: Symbology and Size         Image: Image: Image: Symbology and Size         Image: I	<u>S</u> ymbology: Dimensions <u>X</u> Dimension: <u>D</u> ensity:	Code 128	<u>R</u> atio; <b>Height:</b>	Auto v	
				Auto V	
	<u>C</u> olor:	•		Prin <u>t</u> Method	
			(	Close	elp

Finishing the change, click "Close".



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





6.Click the icon of picture <u><u>s</u>, then edit the pictures.</u>





7.Compose the text.

 Xiamen Hanin Electronic Technology Co.,Ltd.ADD:Room 305A,Angye Building,Pioneering Park. Torch High-tech Zone,Xiamen,China.TI:#86-(0)592-5935252KAX:#86-(0)592-5930505WEB:www.idprt.comWIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII

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



# Appendix

Home Menu	Sub-menu	Sub-menu	Value
		Print Method	DT TT
		Print Speed	2-N ips (varies with different printers)
	Printer Setup	Print Darkness	0-N (ZPL/DPL: N=30 EPL: N=20)
	Printer Setup	Rotation	0 (Default) 90 180 270
		After Printed	None Tear Off (Default) Peeling Cutting
		Stop Position	Default Manually (0-30mm)
Setting		Label Type	Gap Label (Default) Black Mark Continuous
Setting		Media Sensor	Auto Sensor (Default) Transmissive Reflective
	Label Setup Label Setup	PL Simulation	Automatic (Default) ZPL EPL DPL
		Codepage	CP850 (Default) CP852 CP437 CP860 CP863 CP865 CP857 CP861 CP862
			CP862 CP855 CP866 CP737 CP851



		iT4 Series User Manual
	Print Y Offset	CP869 Win 1252 Win 1250 Win 1251 Win 1253 Win 1254 Win 1255 Win 1255 Win 1257 UTF-8 UTF-16BE UTF-16LE +/-120
	Print X Offset	+/-120
	LCD Timeout	0-9
	LCD Brightness	0-9
LCD Setup	LCD Language	D-9English (Default)SpanishPortugueseFranceGermanUkrainian日本语中文简体中文繁体
	Security Password	0000 (Default)
	Standby Display	Ready Date/Time
Int.Device	Buzzer Volume	0-3 Default: 2
Ċ.	Date	YYYY/MM/DD
Int.Device	Time	hh:mm:ss
RS232 Setup	Baudrate	9600 (Default) 14400 19200 38400 57600 115200
·····	Data Bits	7-bit 8-bit (Default)
RS232 Setup	Parity	None (Default) Odd Even
	Flow Ctrl	None XON/XOFF Hardware (Default)



iT4 Series User Manual

			iT4 Series User Manual
			SW+HW
		Switch	OFF ON
	Ethernet Setup	Address Mode	DHCP Static (Default)
		Port Number	Default: 9100
	Ethernet	IP Address	Default:10.0.3.22
	Setup	Default Gateway	Default:10.0.3.1
		Subnet Mask	Default:255.255.255.0
		Bluetooth Switch	OFF (Default) ON
	Wireless Setup	SPP Pairing Code	Default:0000
	((( @ ))) ©	WiFi SSID	iT4E (varies with different printers)
	Wireless Setup	WiFi Switch	OFF (Default) ON
		Networking Mode	AP Mode (Default) Station Mode
Testing	Ext.Device Ext.Device	Keyboard	None (Default) USB Host RS232
		Keyboard Language	English (Default) Spanish Portuguese France German Ukrainian
		Barcode Scanner	None (Default) USB Host RS232
	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		
	Printer Configuration		Print the information of printer's current settings
Config Info	Internal Font List		Print all the internal fonts template
<b>€</b>	Barcode Lists		Print all the barcodes template
Config Info	Internal Flash File List		Print the internal flash file list
	External Memory File List		Print the external flash file list
	LCD Configuration		
Smart Printing Smart Printing		Internal Flash(A:)	Label Formats Graphic Bitmap Font True Type Database Firmware
	File Management	External USB Storage(B:)	Label Formats Graphic Bitmap Font True Type Database Firmware
	Auto Form	Auto Label Form Switch	OFF (Default) ON
	Autoronn	Delete Auto Label Form	NO (Default) YES