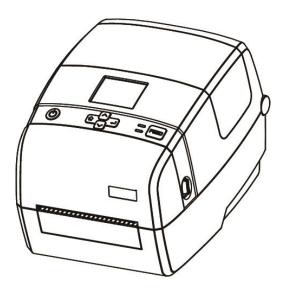
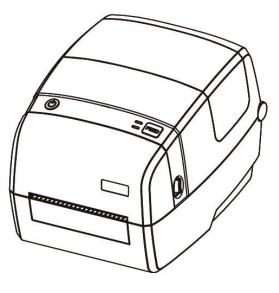


iE4 Series User Manual





iE4P



Xiamen Hanin Electronic Technology Co., Ltd. ADD:5F, 10#, Aide Airport Industrial Park, Huli District, Xiamen, China. WEB:www.idprt.com

Rev.1.4



Contents

Manual Information	1
Important Safety Instructions	
Chapter 1 Introduction	5
1.1 Packing List	
1.2 Appearance and Components	
1.3 Dimension	8
Chapter 2 Specifications	
Chapter 3 Installation & Usage	
3.1 Media Loading	
3.1.1 Loading the Roll	12
3.1.2 Loading the Ribbon	
3.2 Power Connection	
3.3 Peripherals Connection	18
3.3.1 Interface Cable Connection	
3.3.2 Bluetooth Connection	18
3.4 Detection	19
3.4.1 Continuous Paper	
3.4.2 Labels	
3.4.3 Punched Hole Label	23
3.4.4 Blackmark Paper	24
3.5 Operation Panel	25
3.5.1 Panel Introduction	
3.5.2 Display Operation	29
3.5.3 Indicator Instructions	32
3.6 Basic Function	
3.6.1 Power On/ Power Off	
3.6.2 FEED Button	
3.6.3 Quick Calibration	33
3.6.4 Print Self-test Page	34
Chapter 4 Interface	
4.1 USB Interface	
4.2 Other Optional Interfaces	
Chapter 5 Maintenance & Adjustment	
5.1 Cleaning Media Sensor	
5.2 Cleaning Thermal Print Head	
5.3 Cleaning Roller and/or Paper Path	
Chapter 6 Printer Utility Tool Instructions	
6.1 Installation Preparation	39
6.2 Usage	
Chapter 7 Seagull Windows Driver Instructions	
7.1 Introduction	56



7.2 Installation Preparation	
7.3 Installation	57
7.4 Usage	62
7.4.1 Printing Preferences	62
7.4.2 Printer Properties	75
Chapter 8 BarTender Ultralite Instructions	78
8.1 Introduction	78
8.2 Installation Preparation	78
8.3 Installation	79
8.4 Usage	83
8.4.1 Page Settings	83
8.4.2 label Edit	92
Appendix 1 Display Operation	98
Appendix 2 Download Path for UTILITY and Driver	



Changes Record

Rev.	Date	Description
1.0	2017.04.10	
1.1	2018.08.02	Change the Bluetooth password
1.2	2019.05.05	Change the position of the sensor
1.3	2019.08.27	Change the interface of the tool
1.4	2019.12.02	Add the download path on official website for UTILITY and DRIVER



Statement

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

Copyright

This manual is printed in 2019, the copyright belongs to Xiamen Hanin Electronic Technology Co., Ltd.

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.

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 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

The copyright for this user manual and various other manuals is property of our company. Any copying or conversion into electronic form and saving of this material without the express written permission is strictly prohibited. Use of the information contained in this manual is not subject to any patent liability. This manual has been prepared with utmost care and attention to detail but may contain certain errors and/or omissions. Our company is not legally liable for any damages resulting from the use of the information in this manual. Our company and its affiliates are not legally liable (United States excluded) for any damages, loss, costs, and/or expenses that result from the breakdown, malfunction, and/or misuse of the product due to violation or neglect of the operation and maintenance information and instructions provided by our company, as well as from the unauthorized alteration, repair, and/or modification of the product by the user and/or third party. We are not legally liable for any damages and/or issues resulting from the use of options and/or parts that are not authentic or authorized products.

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.









Printer(eg:iE4P)

AC Adapter

Power Cord

USB Cable









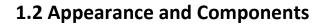
Label Roll

Ribbon

CD

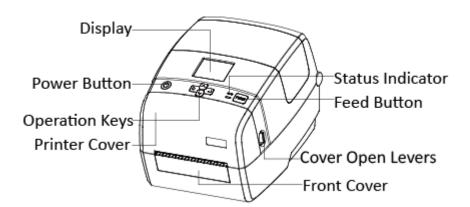
Quick Start Guide

Note: The packing materials are basded on the order.

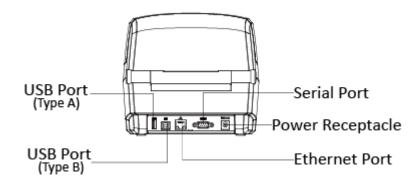


Front View

iDPRT

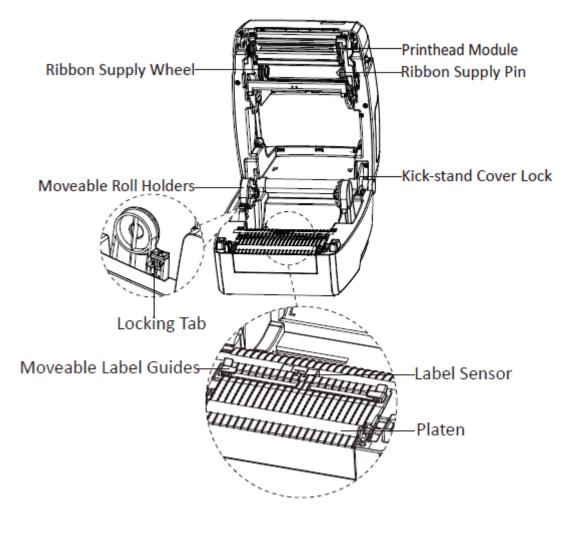


Rear View





Inside View



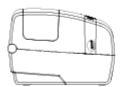
Note: The views above are for your reference. Ports vary by your choice.



1.3 Dimension

Take printer iE4P as example.

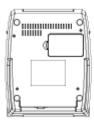












Chapter 2 Specifications

		(3 motor		
T	ltem		meter	
Гуре		iE4S	iE4P	
	Printing Method	Thermal transfer/Direct thermal		
	Resolution	STD 203dpi,OPT 300dpi		
	Max.Printing Speed	5 ips (203dpi)	8 ips (203dpi)	
Printing	Max.Finting Speed	4 ips (300dpi)	6 ips (300dpi)	
	Max.Printing Width	108 mm(203dpi),106 mm(300dpi)		
	Max.Pringting Length	2,286 mm(203dpi),1,524 mm(300dpi)		
	RAM	128MB		
Memory	Flash	256MB		
Programm	iing Language	ZPL-II,EPL-II,DPL		
		Print Frame Open Detect, Ribbon End Detect, Paper Out		
Detection	Sensor	Detect, TPH Over Heating Detect, 2 Fixed See-through		
		sensor, Full Range Reflective Sensor		
	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 mr	n). 1.5''(38 mm)	
	Туре	Wax,Wax/Resin,Resin		
Ribbon	Width	1.18''(30 mm)-4.33''(110 n	nm)	
	Length	328'(100 m)		
	Core Diameter	0.5''(12.7 mm)		
C - ft	Label Design Software	iDPRT Bartender Ultralite		
Software	Driver	Windows 7,8,10,server 20	08,2012	
	Driver	CUPS for Linux and MAC OS		
		6, 8, 12, 16, 32, OCR A & E	8. 90°, 180°, 270° rotatable	
Resident Fonts	Bitmap fonts	and 10 times expandable in horizontal and vertical		
		directions		
	TTF fonts	Monotype CG Triumvirate [™] . 0°, 90°, 180°, 270° rotatable		



(3/2)

Item		Paran	neter	
	Bitmap fonts	90°, 180°, 270° rotatable and 10 times expandable in horizontal and vertical directions		
Download Fonts	Asian fonts	16x16, 24x24. Traditional Chinese, Korean, 90°,180°,270°, rotatable a horizontal and vertical directions	•	
	TTF 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 BN are converted by the software down	IP and PCX, other graphic formats wnload	
	Standard	USB	USB,USB HOST,RS232,Ethernet	
Interfaces	Optional	RS232,Ethernet,Wi-Fi,Bluetooth	Parallel, Wi-Fi, Bluetooth	
Control Panel		Power switch button, FEED button	, 2 indicating LEDs	
LCD Display	LCD Display Not Support 2.4" TFT LCD with Naviga Button		2.4" TFT LCD with Navigation Button	
RTC Function		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°C@ humidity 25% to 85%	non-condensing	
LIVIIOIIIIEIIL	Storage	-40 to 60°C@ humidity 10% to 90% non-condensing		



		(-)	- /
Iter	n	Parameter	
Physical Characteristic	Dimension (L*H*W)	252*201*181 mm	
Characteristic	Weight	About 1.8 kg	
Options & Accessory		Peeler Module, Cutter Module, External Label Roll Holder	
Agency Approval		CE EMC (EN 55022 Class B), FCC EMC (Class A), CCC, RoHS	

(3/3)

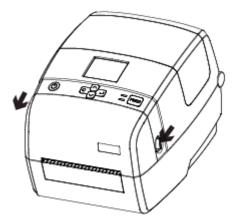


Chapter 3 Installation & Usage

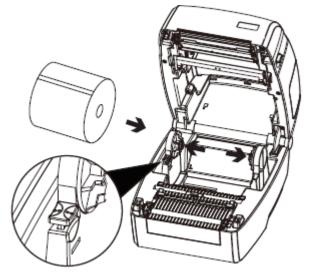
3.1 Media Loading

3.1.1 Loading the Roll

1.Pull and lift the cover. (eg:iE4P)

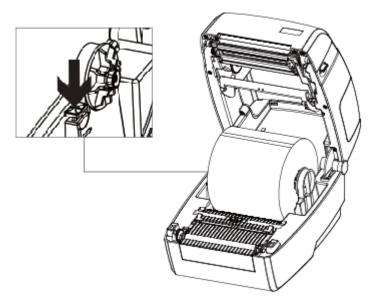


2.Pull the roll holders open and place the roll between them, then press down the locking tab.

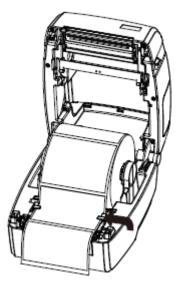




3. Press down the locking tab.



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

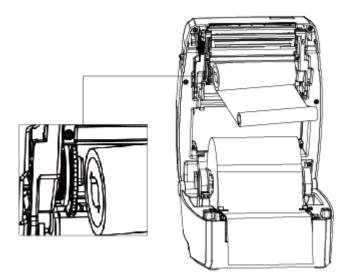


Note: If your printer is under Thermal Line Printing Method, press down the printer cover until it snaps closed. Otherwise, continue the procedure in chapter 3.1.2.

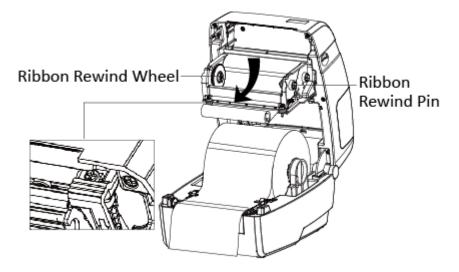


3.1.2 Loading the Ribbon

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

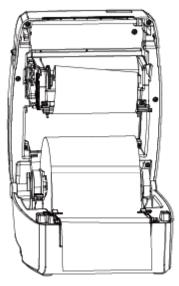


2.Press and release the printhead module.

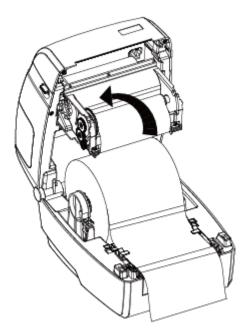




3.Insert the right part of rewind spindle and then the left part.

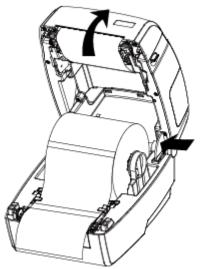


4. Rotate the ribbon rewind wheel until ribbon is pulled tightly.

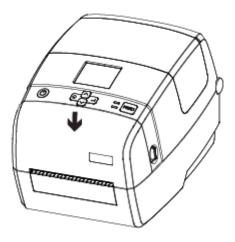




5. Close the printhead module. Then press the lock and close the cover slightly.



6.Press down the cover until it snaps closed.

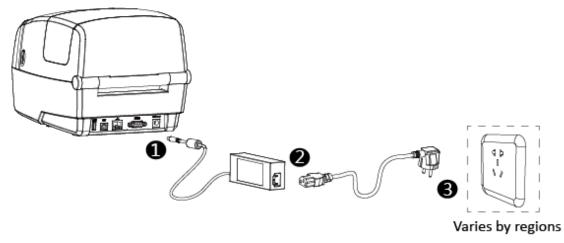




3.2 Power Connection

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 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.

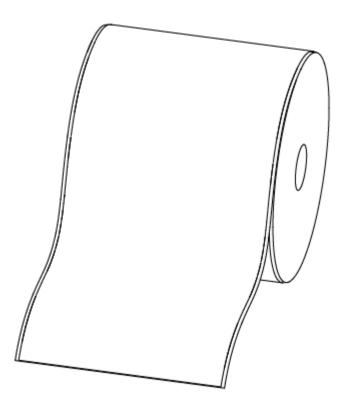


Figure 1 (Continuous Paper)



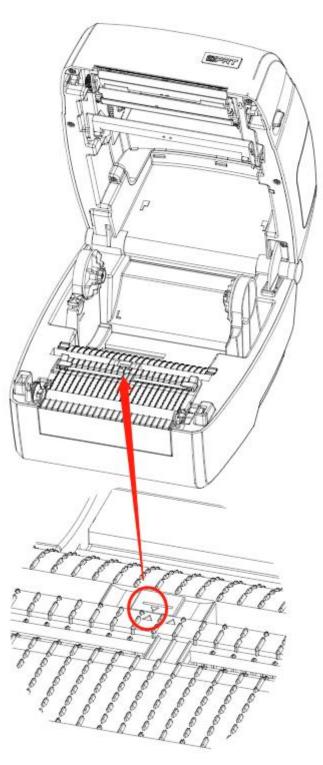


Figure 2 (Left)



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.

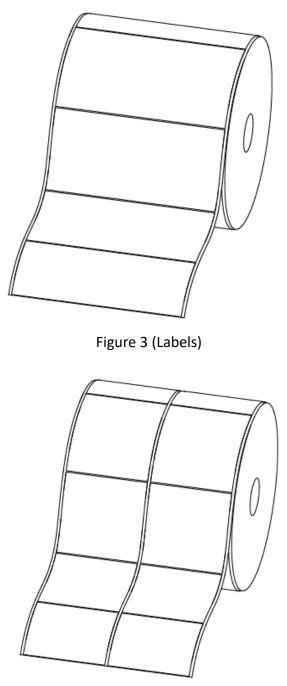


Figure 4 (Double-row Labels)



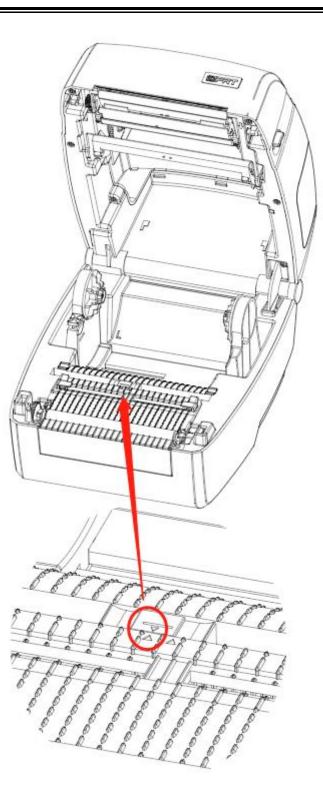


Figure 5 (Left)



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).

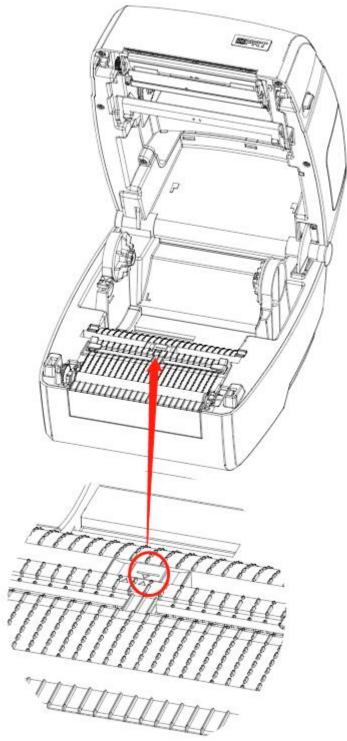


Figure 6 (Right)



3.4.4 Blackmark Paper

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

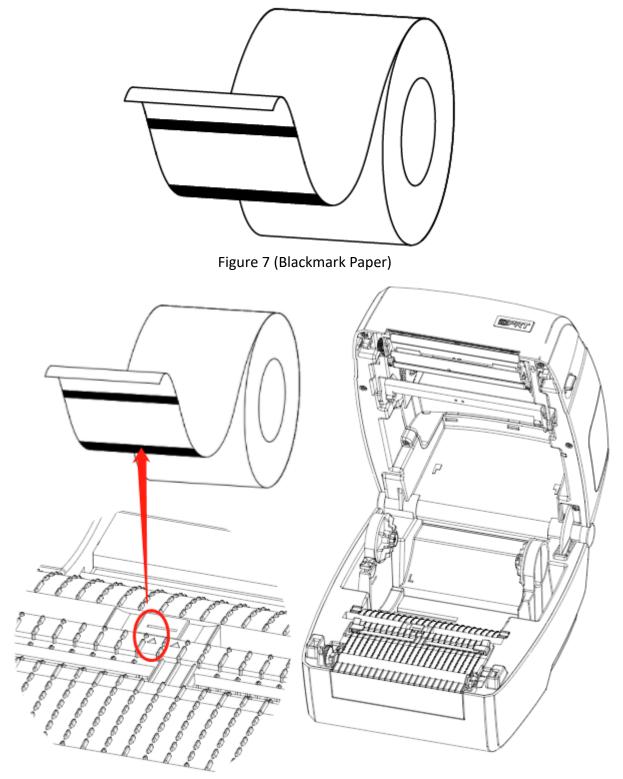


Figure 8 (aimed at blackmark's position)



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

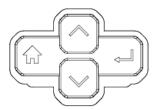


Much more detailed information is provided in "3.6.1 Power On/ Power Off".

2.Feed Button



Much more detailed information is provided in "3.6.2 FEED Button". **3.Directional Pad (only for printer iE4P)**



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 iE4P)

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.

iE4P(203) V10.01.08Z

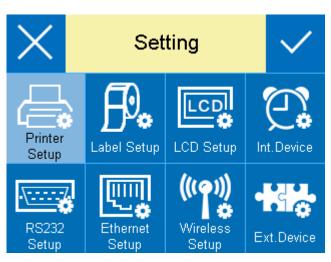
2017/05/04 13:20:01



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.





Sub-menu Display

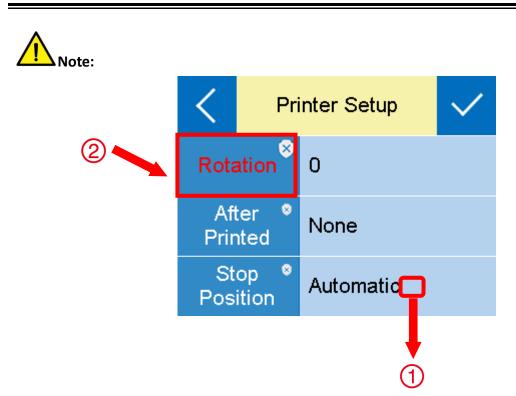
• There are numerous sub-menu displays and user can switch them by menu button and enter button.



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 iE4P is controlled by directional pad.
- 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.



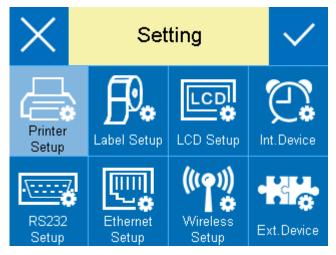
Config Info

Printing

Testing

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

Setting





4.Enter the "Printer Setup" menu.

	rinter Setup	>
Print [®] Method	OT (ОΠ
Print [©] Speed	4 ips	Ŧ
Print [®] Darkness	10	÷

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

into the value needed by enter button

\times	Printer Setup		
Pr Met		🖲 DT	ОΠ
Pr Spe		6 ips	+
Pr Dark		10	+



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

<	Printer Setup		\checkmark
Rota	ation [®]	0	
Afi Prir	ter [©] nted	None	
St Pos	op [©] 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.



3.5.3 Indicator Instructions

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.

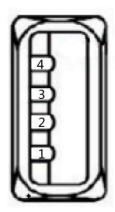
3. Printing by BarTender Ultralite Program

- 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

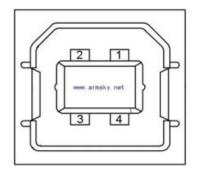
4.1 USB Interface

1.USB (Type A)



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

2.USB (Type B)



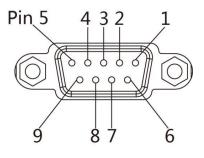
PIN	SIGNAL NAME
1	VBUS
2	D-
3	D+
4	GND





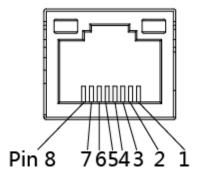
4.2 Other Optional Interfaces

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

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

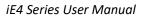
6.2 Usage



- The screen may vary slightly by different operating systems and models.
- Take printer iE4P as example. Please refer to printer iE4P when using printer iE4S.

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

Printer Utility V1.0.0.3		
Aa		
Settings Fonts		System
Interface Printer: iD2X USB Config Printer Information Version:	Common RS-232 Bluetooth Ethernet Ribbon Mode: After Printed: After Power On: After TPH Close:	
Serial Number: Cutting Counter:	Protocol: Paper Type: Sensor Select:	
Mileage: m Get Printer Information	Buzzer Volume: Maximum Length: mm Tear Off: -120 ~ +120 do Print Speed: v ips	ots
Printer Status	Density: 0 to 30 Reprint When Error: Heat Adjust:	
Get Status	Load Save Set	Get
	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		R
Settings Font	Storage Function Test Command Test Firmware	System
Interface	Common ZPL DPL RS-232 Bluetooth Ethernet WIFI	
Printer: iE4P	Ribbon Mode:	
USB Config	After Printed:	
COM rmation	After Power On:	
ETH	After TPH Close:	
Serial Number:	Protocol:	
	Paper Type:	
Cutting Counter:	Sensor Select:	
	Buzzer Volume:	
Mileage:	Maximum Length: mm	
	Tear Off: -120 ~ +120 dot	ts
Get Printer Information	Print Speed:	
Printer Status	Density: 0 to 30	
	Load Save 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		_ _ x
	التلك المنا الألا	Ę
Settings Fon	tsStorage Function Test Command Test Firmware	System
Interface Printer: iE#P • USB • Config Printer Information Version: V10.02.11 Serial Number: IE#P0018180081 Cutting Counter: 1 Mileage: 976.55 m Get Printer Information Printer Status	Common ZPL DPL RS-232 Bluetooth Ethernet WIFI Ribbon Mode: After Printed: After Power On: After TPH Close: Protocol: Paper Type:	
Get Status	Load Save Set	Get



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

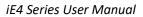
Printer Utility V1.0.0.3		
🏟 Aa	التكالية المنالك	Q
Settings Fonts	s Storage Function Test Command Test Firmware	System
Interface Printer: iE4P • USB • Config Printer Information Version: V10.02.11 Serial Number: IE4P0018180081 Cutting Counter: 1 Mileage: 976.55 m Get Printer Information	Common ZPL DPL RS-232 Bluetooth Ethernet WIFI Ribbon Mode: - - - - After Printed: - - - After Power On: - - - After TPH Close: - - - Protocol: - - - Paper Type: - - - Sensor Select: - - - Buzzer Volume: - - - Maximum Length: - - - Tear Off: - - -	
	Print Speed:	
Printer Status	Density: 0 to 30	
Idle! Get Status	Load Save Set	Get
	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			
Settings Fonts		> CMD > _ Test Command Test	Firmware System
Interface		h Ethernet WIFI	Tilliwale System
Printer: iE4P USB Config	Ribbon Mode:	ON Tear off	
Printer Information Version:	After Power On: After TPH Close:	None	
V10.02.11 Serial Number:	Protocol:	AUTO -	
IE4P0018180081 Cutting Counter:	Paper Type: Sensor Select:	Gap ▼ Transmissive ▼	
Mileage:	Buzzer Volume: Maximum Length:	Low •	mm
	Tear Off:	0	-120 ~ +120 dots
Get Printer Information	Print Speed:	8	ips
Printer Status	Density:	15	0 to 30
ldle!			
	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		
Settings Fonts		e System
Interface	Common ZPL DPL RS-232 Bluetooth Ethernet WIFI	
Printer: iE4P	Baud Rate: 115200 🔻	
USB Config	Data Bits: 8 🗸	
Printer Information	Parity:	
Version:	Flow Control:	
V10.02.11		
Serial Number: IE4P0018180081		
Cutting Counter:		
Mileage:		
976.55 m		
Get Printer Information		
Printer Status		
Idle!		
	Load Save Set	Get
Get Status	RTC Setting	



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

🔅 Printer Utility V1.0.0.3		
Settings Fonts		System
Interface	Common ZPL DPL RS-232 Bluetooth Ethernet WIFI	
Printer: iE4P USB Config Printer Information	Bluetooth Name: IE4 (<=16 characters)	
Version:	Mac address:	
V10.02.11		
Serial Number:		
IE4P0018180081		
Cutting Counter:		
1		
Mileage: 976.55 m		
Get Printer Information		
Printer Status		
Idle!		
	Load Save Set	Get
Get Status	RTC Setting	



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

🔅 Printer Utility V1.0.0.3		
Settings Fonts	الت الت الت الت	System
Interface	Common ZPL DPL RS-232 Bluetooth Ethernet WIFI	
Printer: iE4P USB Config	DHCP:	
	IP Address: 0 0 0 0	
Printer Information	Subnet Mask: 0 0 0 0	
Version: V10.02.11	Default Gateway: 0 0 0 0	
Serial Number:	Mac address: AC : DE : 48 : FF : FF : FF	
IE4P0018180081		
Cutting Counter:		
1		
Mileage: 976.55 m		
976.55 m		
Get Printer Information		
Printer Status		
Idle!		
	Load Save Set	Get
Get Status	RTC Setting	



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

Printer Utility V1.0.0.3		
Settings Fonts		
Interface	Common ZPL DPL RS-232 Bluetooth Ethernet WIFI	
Printer: iE4P USB Config	SSID: IE4	
	Password: 12345678 (>=8 characters)	
Printer Information Version:	Work Mode:	
V10.02,11	DHCP:	
Serial Number:	IP Address:	
IE4P0018180081	Subnet Mask:	
Cutting Counter:		
1	Default Gateway:	
Mileage:	Mac address:	
976.55 m		
Get Printer Information		
Printer Status		
Idle!		
		-
	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.

Printer Utility V1.0.0.3	
Aa	
Settings Font	
Interface	Common ZPL DPL RS-232 Bluetooth Ethernet WIFI
Printer: iE4P	SSID: IE4
USB - Config	Password: 12345678 (>=8 characters)
Printer Information	
Version:	Work Mode:
V10.02.11	DHCP:
Serial Number:	IP Address:
IE4P0018180081	Subnet Mask:
Cutting Counter:	Default Gateway:
1	
Mileage:	Mac address:
976.55 m	
Get Printer Information	
Printer Status	
Idle!	() () () () () () () () () () () () () () (
	Load Save Set 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 space	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			

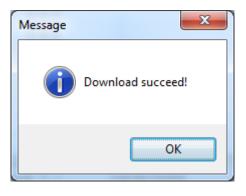
(1) Click "File name" to select the image.

Download File File Type: Graphics Magnification: 1.0]	
File Name:		Download
Free space: 119, 401, 472B; Uses space 286, 790, 656B.		

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



(2) Click "Download".



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

Download File						
File Type: Graphics 🔹 🔻	e: Graphics Magnification: 1.0					
File Name: C:\Users\Administrator\E	Desktop\1.bmp	Download				
Free space: 286, 790, 656B; Uses space	ce119,401,472B.					
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\E	File Name: C:\Users\Administrator\Desktop\1.bmp 1.0 1.5 Download					
	2.0 2.5 3.0					
Free space: 286, 790, 656B; Uses space	e119,401,472B. 3.0					
Graphics	Label Form	Auto Label Form				
ÎĨÅ£.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				

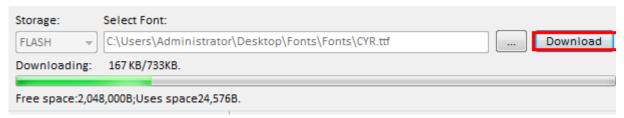


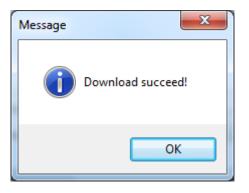
4.Click "Download Vector fonts".

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

Storage:	Select Font:		
FLASH	•		Download
Free space:	119,401,472B;Uses spaceB.		
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).







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

Storage:	Select Font:				
FLASH	C:\Users\Administrate	or\Desktop\Fonts\Fonts	\cour.ttf	Download	
Downloadir	ng: 788 KB/788KB.				
Free space:	1,069,056B;Uses space1,003	,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	Delet Text	
	elete All Fonts	Printable Height:	30 (10-210)mm	Print Text	

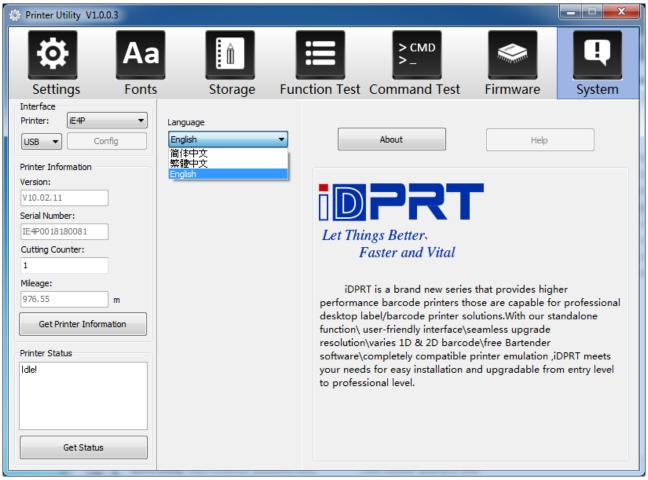


5.Click "Function Test". User can carry the followings such as sensor calibration, pattern print testing and so on.

Printer Utility V1.0.0.3					
	Aa Iii		> CMD >_ Command Test	Firmware	System
Interface		ge runction rest	communa rest	Timware	System
Printer: iE4P	•				
USB Config	Media	Sensor Calibration	Restore Factory Default		
Printer Information					
Version: V10.02.11					
Serial Number:	Con	figuration Page	Media Sense Waveform Printing	3	
IE4P0018180081					
Cutting Counter:	Patte	ern Print Testing	Advance Media Sensor Calibratio	n	
1					
Mileage:					
976.55 m	Cut	ter Cut Testing	Buzzer Function Testing		
Get Printer Information					
Printer Status					
Idle!					
Get Status					



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



Chapter 7 Seagull Windows Driver Instructions

7.1 Introduction

- 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 iE4P as example. Please refer to printer iE4P when using printer iE4S.
- 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.

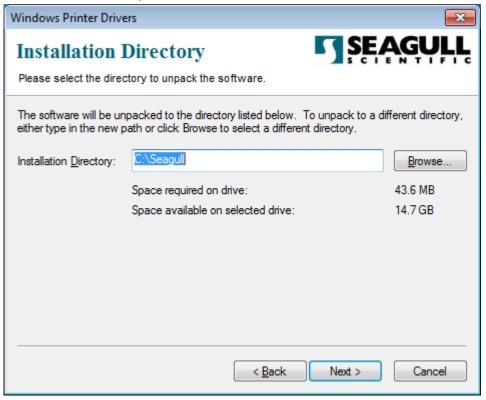
3.Double click Seagull Windows Driver

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

Windows Printer Drivers	—
License Agreement	EAGULL
WINDOWS PRINTER DRIVER LICENSE AND LIMITED WARRANTY	۲ ۲
Seagull Scientific, Inc. ("Seagull") grants you a non-exclusive license f accompanying Windows Printer Driver(s) and related documentation (Software"), subject to the following provisions. You assume full resp selection of the Seagull Software to achieve your intended results, an installation, use, and results obtained from the Seagull Software.	"Seagull consibility for the
Both the software and the related material are Copyrighted and are pr Title to and all rights and interests in the Seagull Software, wherever whatever media, are and shall remain the property of Seagull. Further I accept the terms in the license agreement I do not accept the terms in the license agreement	resident and on
< <u>B</u> ack Next :	> Cancel



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



6.Click "Finish".

Windows Printer Drivers
Installation Information
Pollow the instructions below to install the software.
- Instructions
After the drivers are unpacked, install them using the Driver Wizard.
Options Run <u>Driver Wizard after unpacking drivers</u> Read installation instructions (contained in 'Installation_Instructions.html')
< <u>B</u> ack Finish Cancel



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.(eg.: USB port)

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

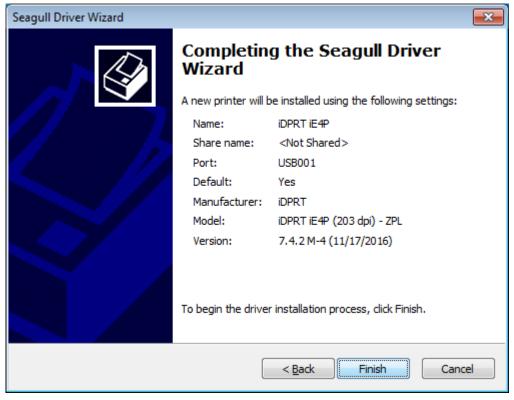
Seagull	Seagull Driver Wizard		
	Plug and Play Printer Detection New Plug and Play printers are automatically detected for installation.		
Selec	t the printer driver to install.		
۲	Install a driver for a Plug and Play printer		
	Printer Model	Port	
	iDPRT iE4P (203 dpi) - ZPL	USB001	
O	Install a driver for another printer		
		< <u>B</u> ack Nex	ct > 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 iE4P
Use this printer	as the <u>d</u> efault printer
	r not you want to share this printer with other network users. When provide a share name. nis printer
Share name:	iDPRT_iE4P_(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 Completed Successfully The following operations were completed successfully:	I
	Installed printer 'iDPRT iE4P'.	•
	Install Another Printer	e

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





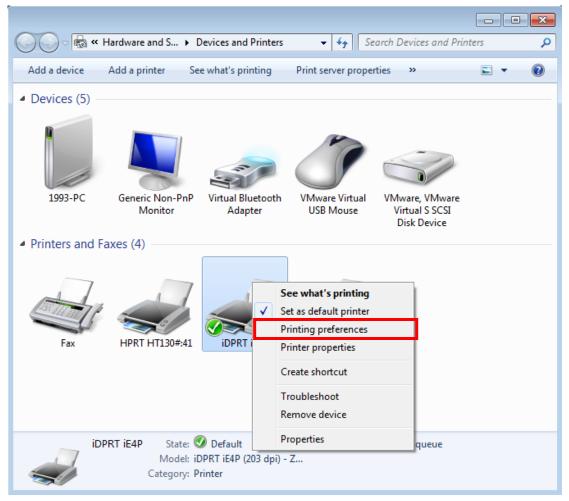
- If you have already installed the driver (No matter what kind of ports), it will generate a USB port automatically when connecting the printer to computer.
- Any problems exist, please use our utility tool in CD.



7.4 Usage

7.4.1 Printing Preferences

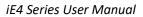
1.Click "Start"→"Devices and Printers". Right click the icon and choose "Printing preferences".





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

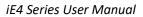
🖶 idprt ie4p	🖶 iDPRT iE4P Printing Preferences 🛛 💌		
Page Setup Stock <u>N</u> ame:	Graphics Stock Options About USER (4.00 in x 4.00 in) ▼ New Edit		
Preview	Orientation		
	Portrait Mirror Image Landscape Portrait 180° Landscape 180°		
Preset			
N <u>a</u> me:	<default settings=""></default>		
	Advanced 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.

iddra iddra ieal	P Printing Preferences	— ×-
Page Setup	Graphics Stock Options Abo	ut
Stock		
<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 4 (4.00 in x 4.00 in) 4 x 6 (4.00 in x 6.00 in)	
	Portrait	Mirror Image
ALE	Landscape Portrait 180°	Negative Negative
	○ 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.

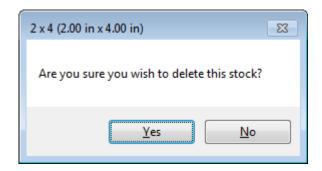
Edit Stock	
Stock <u>N</u> ame: <u>New Stock</u>	Preview
Type: Die-Cut Labels	
Label Size	
	00 in
Exposed Liner Widths	
Left: 0.05 in <u>Right</u> : 0.0	05 in
	OK Cancel Help

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

Edit Stock				×
Stock <u>N</u> ame:	USER			Preview
Туре:	Die-Cut Labels		-	
-Label Siz				
<u>W</u> idth:	4.00 in	Height	4.00 in	
	Liner Widths			
Left:	0.05 in	<u>Rig</u> ht:	0.05 in	
				OK Cancel Help



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

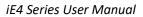


•Choose "Orientation" or "Effects", showed in the "Preview".

iDPRT iE4P Printing Preferences
Page Setup Graphics Stock Options About Stock
Preview Orientation Effects ALE Landscape Negative Portrait 180° Landscape 180° Negative
Preset Name: Name: Manage Advanced Options
© 1998-2016 Seagull Scientific, Inc., Authors of the BarTender® label software.



🖶 idprt ie4	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
	Portrait Mirror Image Dandscape Negative
ALE	Portrait 180°
╽│└─╇	Land <u>s</u> cape 180°
Preset	
N <u>a</u> me:	<current settings=""></current>
	Advanced Options
	© 1998-2016 Seagull Scientific, Inc., Authors of the BarTender® label software.
(OK Cancel <u>Apply</u> Help





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

🖶 idprt ie4	P Printing Preferences				
Page Setup	Graphics Stock Options About				
<u>N</u> ame:	JSER (4.00 in x 4.00 in)				
	New Edit Delete				
Preview	Orientation Effects Image				
ALE	Landscape Portrait 180° Landscape 180°				
Preset					
N <u>a</u> me:	<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	—				
Presets allow you to save your print settings with a name so that you can quickly switch between different 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 🔺 current settings.				
-	~				
Preset Management					
New	Delete				
ОК	Cancel Help				



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

iDPRT iE4P Printing Preferences				
Page Setup Graphics Stock Options About				
Resolution: 203 dpi x 203 dpi				
Dithering				
<u>H</u> alftone				
Ordered				
Error Diffusion				
Device Dithering				
Color Adjustment Dithering Setup				
Color				
Color Control: Monochrome				
Color <u>M</u> atching:				
Color Registration Color Setup				
OK Cancel <u>A</u> pply Help				



4.Click "Stock".

DPRT

iDPRT iE4	P Printing Preferences
Media Set <u>P</u> rint Meth Media <u>T</u> yp	ttings od: Use Current Printer Setting
Feed Mod <u>M</u> ode: Pause:	Use Current Printer Setting Pause After Cut No Pause Interval:
	ons p <u>A</u> djustment:
	OK Cancel Apply Help



•Click "Print Method", and choose the printing method.

iDPRT iE4P 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 Themal Themal Transfer
Feed Mode
Mode: Use Current Printer Setting Pause After <u>C</u> ut
Pause: No Pause Interval: 1
Feed Options Set Top Adjustment: Set Rest Position Adjustment:
OK Cancel <u>Apply</u> Help



•Set up the media type.

Page Setup Graphics Stock Options About				
Media Settings <u>P</u> rint Method: Use Current Printer Setting				
Media Type: 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				
Feed Options Set Top Adjustment: Set Rest Position Adjustment:				
OK Cancel Apply Help				



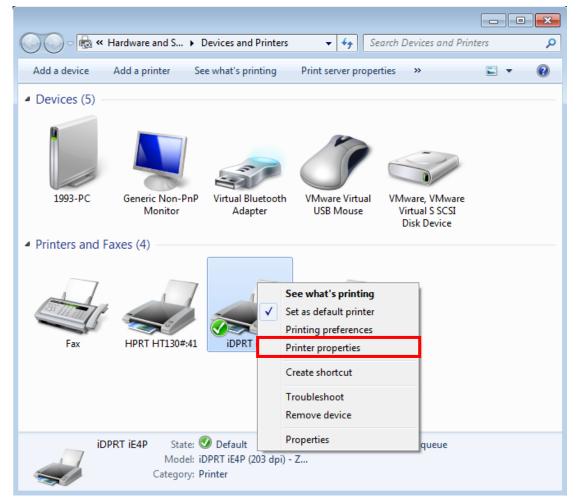
 $\bullet \mathsf{Click}$ "Feed Mode" \rightarrow "Mode", and choose the method of media handing.

iDPRT iE4P 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 <u>A</u> djustment: Set <u>R</u> est Position Adjustment:
OK Cancel Apply 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.

🖶 idprt ie4	P Properties					×
Fonts			Tools		About	
General	Sharing	Ports A	dvanced	Color	Management	Security
	idprt	iE4P				
Location:						
Comment	t:					
M <u>o</u> del: Features Color: N		iE4P (203 dpi) -	ZPL Paper a	availabl	e:	
	-sided: No					~
Staple:						
	Unknown um resolutio	on: 203 dpi				~
		Pr <u>e</u> f	erences		Print <u>T</u> est P	age
		ОК	Cancel		Apply	Help



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

idprt ie4p f	Properties			- ×
Fonts		Tools	Abo	ut
General	Sharing Ports	Advanced	Color Management	Security
	DPRT iE4P			
Print to the t checked por		. Documents will p Printe	rint to the first free	*
LPT3:	Printer Port			
COM1:	Serial Port			
COM2:	Serial Port			-
СОМЗ:	Serial Port			=
COM4:	Serial Port			
FILE:	Print to File			
USB001	Virtual printer	port for iDPRT	iE4P	-
Add	Por <u>t</u>	<u>D</u> elete Port	<u>C</u> onfigure	Port
🔽 Enable bi	directional suppo	ort		
Enable printer pooling				
Enable printer pooling				
	C)K Cance	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 iE4P as example. Please refer to printer iE4P when using printer iE4S.
- 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	X
Select the language for the installation from the choices b	elow.
English (United States)	•
ОК Са	ancel

3.Click "Install".

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



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	el

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	Ŧ
✓ 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>	
Image: Sample Documents	
Installation Folder	
Install to: C:\Program Files (x86)\Seagull\BarTender UltraLite	Bro <u>w</u> se
< <u>B</u> ack	Next > 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 <u>I</u> nstall C	ancel



8.Click "Finish".

BarTender Setup	×
Installation Complete	
The installation has completed successfully.	
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 <u>www.seagullscientific.com</u> .	
< <u>B</u> ack <u>F</u> inish	

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





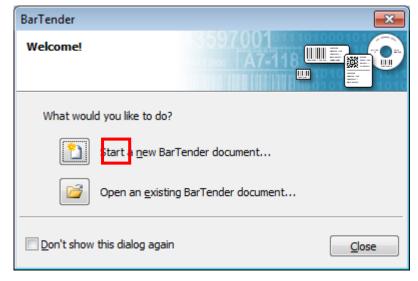
8.4 Usage

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.

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	
<u>S</u> elect	
	< <u>Back</u> <u>Next</u> > <u>Finish</u> 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-		
A Stock specifies the si position of the items or Stock or specify your o	ze of the page, and the size, number, a n the page. You may select a predefined wn custom settings.	nd			
Specify Custom S	ettings				
Use a Predefined	Stock				
⊆ategory;		-			
Stoc <u>k</u> Name;		*			
		Ŧ			
			< <u>B</u> ack <u>N</u> ext >	Einish	Cancel



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

New Document Wizard	×
Items Per Page Specify the characteristics of your media.	
Most media has only a single item (label, card, tag, etc.) per page of stock. Some media, however, are more complex and have multiple items on a page.	
Single item per page	
Multiple columns and/or rows of items per page	
Rows: 1	
Columns: 1	
< <u>-</u>	Back Next > Einish Cancel



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

New Docu	ument Wizard	
Side Edges Specify th	e characteristics of the sides of your media.	
	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	
Width of Uni	used Area:	
<u>L</u> eft:	0.05 in	
<u>Rig</u> ht:	0.05 in	
		Template Size: 3.998 x 4 in
		< Back Next > Einish Cancel



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

New Document Wizard	
Printed Item Shape Specify the shape of your items.	
	Preview:
Image Image	
	Template Size: 3.998 x 4 in
	< Back Next > Finish Cancel



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

New Docum	ent Wizar	d					
Template Size Specify the si		item.					
Template Size:	User Def	fined Siz	e				Preview:
<u>W</u> idth:	3.998	in	<u>H</u> eight:	4.0	in		
Note: Do n the item.	e 80 e 180	any of t	he unused area	3	ding		
							Template Size: 3.998 x 4 in
						< <u>B</u>	Back Next > Finish 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
	< <u>Back</u> Next > <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.	Preview:
Starting Document: Printer:	Blank iDPRT iE4P 3,998 x 4 in	
		Template Size: 3.998 x 4 in
		< <u>Back</u> <u>Next</u> > <u>Finish</u> Cancel



8.4.2 label Edit

1.Click the icon of code

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

Select Barcode	
 General Purpose Disc / CD / DVD GS1 (by Application) GS1 (by Symbology) Health Care Pharmaceutical Postal / Shipping TLC All Symbologies (100) 	Search Code 49 12349076 Code 93 Code 93i Code 128 Preview: Code 128 IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
	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	<u>S</u> ymbology: Dimensions <u>X</u> Dimension: <u>D</u> ensity:	Code 128 14.78 mils 🚔 😭 12.356 chars/in 🚔	<u>R</u> atio: <u>H</u> eight:	Auto V	
Text Format Border Position Data Sources I12345678	Symbology Spe Ched <u>k</u> Digit HIBC <u>G</u> S1-128 (UC ST Ap		Code Set: ource <u>W</u> izard	Auto 💌	
	Text Encoding:	US, Western Europe (7-Bi	it ASCII)	•	
	<u>C</u> olor:	•		Print Method	
			(Close He	lp

Finishing the change, click "Close".



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









7.Compose the text.



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

Appendix 1 Display Operation

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



			CP866 CP737 CP851 CP869 Win 1252 Win 1250 Win 1251 Win 1253 Win 1253 Win 1255 Win 1255 Win 1257 UTF-8 UTF-16BE UTF-16LE
		Print Y Offset	+/-120
		Print X Offset	+/-120
		LCD Timeout	0-9
		LCD Brightness	0-9
	LCD Setup	LCD Language	English (Default) Spanish Portuguese France German Ukrainian 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
		Date	YYYY/MM/DD
	Int.Device	Time	hh:mm:ss
	RS232 Setup RS232 RS232 Setup	Baudrate	9600 (Default) 14400 19200 38400 57600 115200



			124 Series Oser Multuur
		Data Bits	7-bit 8-bit (Default)
		Parity	None (Default) Odd Even
		Flow Ctrl	None XON/XOFF Hardware (Default) SW+HW
		Switch	OFF ON
	Ethernet Setup	Address Mode	DHCP Static (Default)
	The second se	Port Number	Default: 9100
	Ethernet Setup	IP Address	Default: 192.168.1.1
	Secup	Default Gateway	Default: 255.255.255.0
		Subnet Mask	Default: 192.168.1.0
	Wireless Setup	Bluetooth Switch	OFF (Default) ON
		SPP Pairing Code	Default: 0000
		WiFi SSID	iE4P (varies with different printers)
		WiFi Switch	OFF (Default) ON
		Networking Mode	AP Mode (Default) Station Mode
	Ext.Device	Keyboard	None (Default) USB Host RS232



iE4 Series User Manual

		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
Testing	Label Calibration		Calibrate the label
Fi	Media Sensor Printing Dump Mode Cutting Test		Receive the data Test the cutter
Testing	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
G	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	File Management	Internal Flash(A:)	Label Formats Graphic Bitmap Font True Type Database Firmware



		External USB Storage(B:)	Label Formats Graphic Bitmap Font True Type Database Firmware
		Auto Label Form Switch	OFF (Default) ON
	Auto Form	Delete Auto Label Form	NO (Default) YES

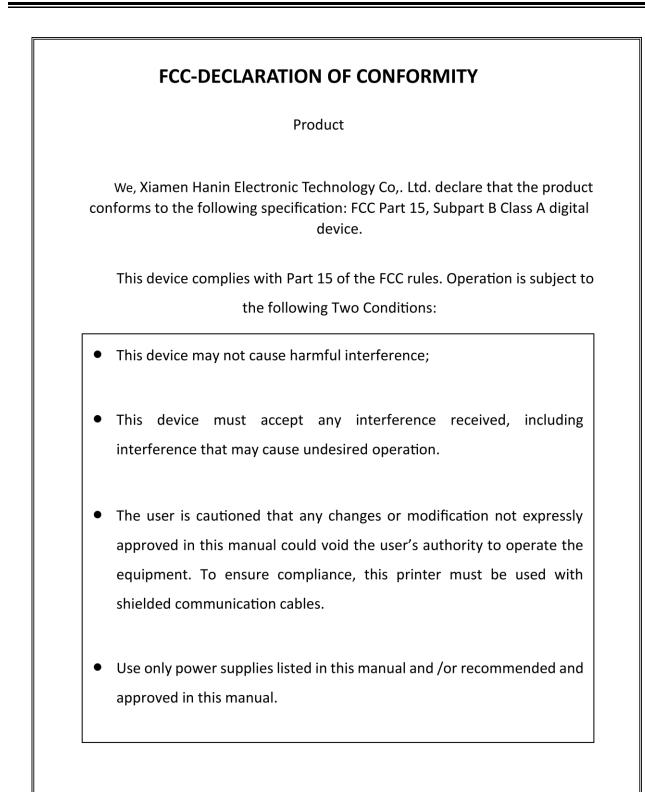


Appendix 2 Download Path for UTILITY and Driver

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











EC DECLARATION OF CONFORMITY

Manufacturer certifies that the following designated product

Type of product

Thermal Transfer label/Direct Thermal Label Printer

It is in conformity with the standards

Test standard information

Under the Council Directive: (LVD) Directive 2014/35/EU relating to electrical equipment designed for use within Low Voltage Directive. EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013

Under the Council Directive: (EMC) Directive 2014/30/EU relating to Electro Magnetic Compatibility. EN 55032:2015 EN 55024:2010 EN 61000-3-2:2014 EN 61000-3-3:2013

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

The declaration is sole responsibility of the manufacturer

Name of manufacturer Xiamen Hanin Electronic Technology Co,. Ltd.

Please refer to the attachment for details of FCC certification.