

iX4L



User Manual

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Rev.1.1



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Statement

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1.1 Version

Warnings

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

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

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



Important Safety Instructions

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

1. Safety warning

Warnings: The print head will become very hot during printing. avoid contact with the print head

after printing has finished.

Warnings: Do not touch the printer head and connector in case static damage the printer head.

2. Instructions

Warnings: Violating following instructions can cause serious injury or death.

1) Do not plug several products in one multiperture outlet.

- This can provoke over-heating and a fire.
- If the plug is wet or dirty, dry or wipe it before usage.
- If the plug does not fit perfectly with the outlet, do not plug in.
- Be sure to use only standardized multiperture outlet.
- 2) You must use the supplied adapter.
 - It is dangerous to use other adapters.
- 3) Do not pull the cable to unplug.
 - This can damage the cable, which is the origin of a fire or a breakdown of the printer.
- 4) Do not plug in or unplug with your wet hands.
 - You can be electrocuted.
- 5) Do not bend the cable by force or leave it under any heavy object.
 - A damaged cable can cause a fire.



Note: Violating following instructions may cause slight damage of the appliance.

1) If you observe a strange smoke, odour or noise from the printer, unplug it before taking following measures.

- Switch off the printer and unplug the set from the mains.
- After the disappearance of the smoke, call your dealer to repair it.
- 2) Install the printer on the stable surface.
 - If the printer falls, it can be broken and you can hurt yourself.
- 3) Use the approved accessories only and do not try to disassemble, repair or remodel it by yourself.
 - Call your dealer when you need these services.
 - Do not touch the blade of auto cutter.
- 4) Do not let water or other foreign objects drop into the printer.
 - If this happened, switch off and unplug the printer before calling your dealer.
- 5) Do not use the printer when it is out of order. This can cause a fire or an electrocution.
 - Switch off and unplug the printer before calling your dealer.
- 6) Other considerations:
 - Place the printer on a solid and even base so that it cannot fall.
 - Leave enough space around printer for operation and maintenance.
 - Keep all liquids away from the printer.
 - Do not expose the printer to high temperatures, direct sunlight or dust.
 - Ensure the printer is connected to a socket with the correct mains voltage.
 - Switch off the printer POWER supply when it's not in use for a long time.
 - To ensure the printing quality and reliability, suggest use the same quality or recommend paper supplier.
 - Pls. switch off the POWER supply when connect/disconnect all the ports or it will cause damage to the printer control circuit.
 - Never carry out maintenance or repair work yourself. Always contact a qualified service Technician.
 - Keep this User Manual in a place which is easily accessible for all times.



3. Other Precautions

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4. WEEE (Waste Electrical and Electric Equipment)



This mark shown on the product or its literature indicates that the corresponding item should not be discarded at the end of its working life with others household waste. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate marked items from other types of waste and recycle them responsibly to promote the sustained reuse of material resources. Household users should contact either the retailer where they purchased this product, or their local government office for details of where and how they can conduct environmentally safe recycling of such items. Commercial users should contact their suppliers and check the terms and conditions of purchase contracts. This product should not be combined with other commercial waste for disposal.

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



Chapter 1 Introduction

1.1 Packing List

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





Power Cord



USB Cable





Ribbon Core Spindle

Quick Start Guide





1.2 Appearance and Components

Front View





Rear View





Inside View



- 1 Ribbon Supply Spindle
- 2 Ribbon Take-up Spindle
- ③ Print Head Module
- ④ Print Head Lever
- 5 Platen Roller
- 6 Media Sensor
- Paper Guide
- 8 External Media Guide
- 9 Filler Block
- Print Mechanism
- 1 Media Supply Spindle
- 12 Media Supply Guide
- 13 Ribbon Latch
- (14) Side Cover

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



1.3 Dimension













Chapter 2 Specifications

Item		Parameter
	Printing Method	Printing
Printing	Resolution	203dpi/300dpi
	Printing Speed	2~6ips
	Printing Width	104mm
	Printing Length	2286mm(203dpi)/1524mm(300dpi)
CPU		32-bit RISC CPU
Momoriu	RAM	64MB
Memory	Flash	128MB
Detection	Sensor	Paper Out Detect, Seam Mark Detect, Black Mark
Detection	Sensor	Detect, TPH Over, Cover-opened Detect
	Туре	Fold Paper, Roll Paper, Continuous Paper, Black Mark
	Width	25mm~200mm
Media	Thickness	0.003-inch (80um) – 0.010-inch (250um)
	Label Outer Diameter	10-inch (254mm)
	Label Inside Diameter	1.5-inch (38.1mm), 3-inch (76.2mm)
211	Туре	Wax, Wax/Resin, Resin
	Width	1.18-inch(30mm) – 4.33-inch(110mm)
Ribbon	Length	1476' (450 m)
	Inside Diameter	1-inch (25.4mm)





Programming Language		DPL, EPL2, ZPL-II	
	Label Design Software	Seagull Bartender UltraLite	
Software		Windows XP, 7, 8, 10. server 2008, 2012	
	Driver	CUPS for Linux and MAC OS	
		6, 8, 12, 16, 32, OCR A & B. 90°, 180°, 270° rotatable	
Resident	Bitmap fonts	and 10 times expandable in horizontal and vertical	
Fonts		directions	
	TTF fonts	Monotype CG Triumvirate™.	
	Ditmon fonts	90°, 180°, 270° rotatable and 10 times expandable in	
Deverland	Bitmap fonts	horizontal and vertical directions	
Download	TTF fonts	90°, 180°, 270° rotatable	
Fonts	Asian fonts	16x16, 24x24. Traditional Chinese, Simplified Chinese,	
		Japanese, Korean	
		DOS437,720,737,755,775,850,852,855,856,857,858,86	
		0,862,863,864,865,866, Windows	
Code Pages		1250,1251,1252,1253,1254,1255,1256,1257,1258	
		ISO8859-1,-2,-3,-4,-5,-6,-8,-9,-15	
		DBCS 932 (JIS), 936(GBK), 949 (Koran), 950(BIG5)	
		Code 39, Code 93, EAN 8/13 (add on 2 & 5), UPC A/E	
		(add on 2 & 5), I 2 of 5 & I 2 of 5 with Shipping Bearer	
		Bars, Codabar, Code 128 (subset A, B, C), EAN 128, RPS	
	1D	128, UCC 128, UCC/EAN-128 K-Mart, Random Weight,	
Barcodes		Post NET, ITF 14, China Postal Code, HIBC, MSI, Plessey,	
		Telepen, FIM, GS1 DataBar, German Post Code, Planet	
		11 & 13 digit, Japanese Postnet, I 2 of 5 with human	
		readable check digit, Standard 2 of 5, Industrial 2 of 5 ,	
		Logmars, Code 11, Code 49, Cadablock	



		
Barcodes	2D PDF417, Data matrix code, Maxi Code, QR co PDF417, Micro QR code, Aztec code	
	Standard	USB, USB HOST, RS232, Ethernet
Interfaces	Optional	Wi-Fi
LCD Display		3.5" TFT LCD
RTC Function		Support
		Status light, Prompt light, Error light, Power light
Control Panel		Control button: Menu, Calibration, Feed, Pause,
		Return, Enter, Up/Down Arrow
Power Supply		Input: AC 100V-240V, 50/60Hz
		Output: DC 24V/2.5A
Environment	Operation	41-104 $^\circ\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!$
Environment	Storage	-20 $^\circ\!\mathrm{C}$ -50 $^\circ\!\mathrm{C}~$ @ humidity 10% to 90%, non-condensing
Physical	Dimension	462*264*322mm (L*H*W)
Characteristic	Weight	12.5 Kg
Options & Accessory		Peeler Module, Cutter Module, External Label Roll
		Holder
Agency Approval		CCC, FCC, CE, CB, UL, RoHS, WEEE



Chapter 3 Installation & Usage

3.1 Ribbon and Paper Loading

3.1.1 Ribbon loading

1. Place the printer on the flat table, lift the cover

from the bottom-right of printer by hand.



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



Anticlockwise



3.Pull a part of ribbon, then pass the ribbon between

the print mechanism and the media sensor.



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



Ribbon Take-up Spindle





3.1.2 Media Loading

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

position, then remove the media guide.



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





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



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





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





3.1.3 Media Path

1. Backside feeding



2. Bottom feeding





3. Installation of direct throwing peeler



4. Installation of rollback peeler





3.2 Power Connection

1.Connect the power plug to power receptacle.

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





- Use the original power adapter only. Avoid the damage caused by charging improperly.
- Please unplug the printer power cord if it is not in use for a long time.



3.3 Peripherals Connection

When printing paper, the moveable label sensor is used to detect paper. The label sensor moves differently when using various kinds of paper. If user moves the sensor improperly, paper may not be detected, therefore the printer could not print paper. The following instructions tell users how to use label sensor correctly. Please read it carefully.

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





3.4 Operation Panel

3.4.1 Panel Introduction

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





1.Feed Button



Much more detailed information is provided in "3.6.1 FEED Button".

2.Directional Pad (only for printer iX4L)



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

- Up Arrow Button: Common uses are to scroll through choices, navigating to the left or the previous choice.
- Down Arrow Button: Common uses are to scroll through choices, navigating to the right or the
 - next choice.
- Return Button: Back to previous.
- Enter Button: Common uses are to navigate to the sub-menus, change the values or to save the settings.



3.4.2 Button Function Definition

1. Menu button: in standby state, long press the menu operation function to enter the display

2. Calibration button: in standby state or the error light slow flash, long press the "Start label learning function".

3. FEED button:

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



- 4. Pause button:
 - In Printing: short press to pause print, long press to clear current print task.
 - Printing Pause: short press to keep printing, long press to clear current print task
- 5. Navigation button: only can be used with the display.



Note: short press: 0.3 seconds to 1 seconds.

Long press: larger than 3 seconds

3.4.3 Buzzer

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



3.4.4 Indicator Definition

1. Power light:

- ♦ OFF: no power / not power on
- ♦ Green light constant bright: normal
- ♦ Green light slow flash: dump mode

2. Error light:

- ♦ OFF: not power on/ normal
- ♦ Red light constant bright: run out of paper/ print head open.
- ♦ Red light slow flash: out of ribbon
- ♦ Red light fast flash: jam paper/label off/ cutter stuck

3. Promote light:

- ♦ OFF: not power on/ normal
- ♦ Orange light constant bright: manually print (FEED button/ take paper sensor)
- ♦ Orange light slow flash: Label format mismatch
- ♦ Orange light flash: Print pause

4. Ready light:

- ♦ OFF: not power on
- ♦ Green light constant bright: printer standby
- ♦ Green light slow flash: get in dump mode
- ♦ Green light fast flash: in data reception



Quick flash \rightarrow 0.2 second / every cycle

Slow flash \rightarrow 1 second / every cycle



3.5 Display Operation Procedure

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

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

1. Make sure that the printer is connected and the roll is installed correctly.

2. Turn on the printer power. When the printer is turned on, it will display the standby interface. Under

the standby interface, users can obtain information about the printer name, menu, and firmware version.







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

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

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







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



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



Chapter 4 Interface

4.1 USB Interface



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



4.2 Other Optional Interfaces

Serial Port



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

Note: Clean the parts when print's quality or label detection degrades.



Chapter 6 Printer Utility Tool Instructions

6.1 Installation Preparation

Download application program iDPRTUtility.exe in CD.

6.2 Usage

Note: The screen may vary slightly by different operating systems and models. Take printer iX4L as example.

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

🔅 Printer Utility V1.0.0.4	
	Drage Function Test Command Test Firmware System
Interface	Common ZPL DPL RS-232 Ethernet WIFI
Printer: iX4P	Ribbon Mode:
USB Inatic recognition USB	After Printed:
Printer Information	After Power On:
Version:	After TPH Close:
Serial Number:	Protocol:
Senai Number:	Paper Type:
Cutting Counter:	Sensor Select:
	Buzzer Volume:
Mileage:	Maximum Length: mm
m	Tear Off: -120 ~ +120 dots
Get Printer Information	Print Speed: visual ips
Printer Status	Density: 0 to 30
	Load Save Set Get
Get Status	RTC Setting



2.Click "Settings".

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

🔅 Printer Utility V1.0.0.7		
	Image Image <td< td=""><td></td></td<>	
Interface	Common ZPL RS-232 Ethernet WIFI	
Printer: IX4L	Ribbon Mode:	
USB Inatic recognition USB	After Printed:	
Printer Information	After Power On:	
Version:	After TPH Close:	
Serial Number:	Protocol:	
Senar Number:	Paper Type:	
	Sensor Select:	
Cutting Counter:	Buzzer Volume:	
	Maximum Length: mm	
Mileage:	Tear Off: -120 ~ +120 dots	
m	Print Speed:	
Get Printer Information	Density: 0 to 30	
Printer Status		
	Load Save Set Get	
Get Status	RTC Setting	



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

Settings Aa Fonts Storage Function Test Command Test Finter Download Fonts System Interface Printer: K4 Version: Value After Power On: After Power On: After Power On: After Printer: Value Value Value After Power On: After Printer: Value Value Value After Power On: After Power On: After Printe: Value Value Value Watzer Volume: Buzzer Volume:	🔅 Printer Utility V1.0.0.7		×
Printer: N4L USB istic recognition USB Printer Information After Printed: Version: After Power On: Vil0.03.02 Protocol: Serial Number: Paper Type: Iv4L.2020052500 Sensor Select: Buzzer Volume: Image: 380 Buzzer Volume: Mileage: Sensor Select: 380 Buzzer Volume: Mileage: Tear Off: 7:120 ~ +120 dots 9:155.79 Pint Speed: 0 to 30	Settings Fonts Sto	orage Function Test Command Test Firmware Download Fonts System) 1
Robon Mode: USB iatic recognition USB After Printed: After Power On: After TPH Close: V10.03.02 Serial Number: V4.2020052500 Paper Type: Sensor Select: Buzzer Volume: Maximum Length: Tear Off: Printer Status Printer Status Load Save Set		Common ZPL RS-232 Ethernet WIFI	
Printer Information After Printed: Vrison: After Power On: Vision: After TPH Close: Vision: Protocol: Protocol: Paper Type: Sensor Select: Paper Type: Buzzer Volume: Putters: 380 Maximum Length: Tear Off: -120 ~ +120 dots Printer Status Density:		Ribbon Mode:	
Version: After TPH Close: V10.03.02 Protocol: Serial Number: Paper Type: IX4L.2020052500 Paper Type: Sensor Select: Image: 380 Maximum Length: Mileage: Tear Off: 3585.79 Print Speed: Density: 0 to 30	USB Iatic recognition USB	After Printed:	
V10.03.02 Serial Number: IX4L2020052500 Paper Type: IX4L2020052500 Sensor Select: Buzzer Volume: IX300 Mileage: 380 Maximum Length: Tear Off: Print Speed: Image:	Printer Information	After Power On:	
Serial Number: W4L 2020052500 Paper Type: Sensor Select: Buzzer Volume: 380 Mileage: 3585.79 m Get Printer Information Printer Status Cut Status Set Get		After TPH Close:	
IX4L2020052500 Paper Type: Cutting Counter: Sensor Select: 380 Buzzer Volume: Mileage: Maximum Length: 3585.79 m Get Printer Information rear Off: Printer Status Image: Load Save Set Get		Protocol:	
Cutting Counter: 380 Mileage: 3585.79 mileage: 3585.79 mileage: Get Printer Information Printer Status Load Save Set Get Status		Paper Type:	
380 Mileage: 3585.79 m Get Printer Information Print Status Load Save Set Get Cet Cet Peters		Sensor Select:	
380 Mileage: 3585.79 m Get Printer Information Print Status Load Save Set Get Cet Cet Peters	Cutting Country	Buzzer Volume:	
Mileage: -120 ~ +120 dots 3585.79 m Get Printer Information Print Speed: Printer Status 0 to 30 Load Save Set Get		Maximum Length:	
3585.79 m Get Printer Information Print Speed: Printer Status 0 to 30 Load Save Set Get	Mileage:		
Get Printer Information Density: 0 to 30 Printer Status Load Save Set Get			
Printer Status Load Save Set Get	Get Printer Information		
Load Save Set Get		Density: 0 to 30	
	Printer Status		
Get Status RTC Setting		Load Save Set Get	
	Get Status	RTC Setting	



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

🔅 Printer Utility V1.0.0.7	
	Common ZPL RS-232 Ethernet WIFI
Printer: iX4L 🔻	Ribbon Mode:
USB	After Printed:
Printer Information	After Power On:
Version: V10.03.02	After TPH Close:
Serial Number:	Protocol:
iX4L2020052500	Paper Type:
	Sensor Select:
Cutting Counter:	Buzzer Volume:
380	Maximum Length: mm
Mileage:	Tear Off: -120 ~ +120 dots
3585.79 m	Print Speed:
Get Printer Information	Density: 0 to 30
Picile: Status	
Normal!	
	Load Save Set Get
Get Status	RTC Setting



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

Printer Utility V1.0.0.7		
	prage Function Test Command Test Firmware Download Fonts System	
Interface Printer: iX4L	Common ZPL RS-232 Ethernet WIFI Ribbon Mode:	
USB 🔻 Natic recognition USB	After Printed:	
Printer Information	After Power On:	
Version:	After TPH Close:	
V10.03.02	Protocol:	
Serial Number: IX4L2020052500	Paper Type:	
IA-12020032300	Sensor Select:	
Cutting Counter:	Buzzer Volume:	
380	Maximum Length: mm	
Mileage:	Tear Off: -120 ~ +120 dots	
3585.79 m	Print Speed:	
Get Printer Information	Density: 0 to 30	
Printer Status		
Normal!		
	Load Save Set Get	
Get Status	RTC Setting	



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

🔅 Printer Utility V1.0.0.7					
🕸 Aa 🛛	î 🗮	> CMD > _	himment	Î	Q
Settings Fonts Sto	orage Function Test	Command Test	Firmware	Download Fonts	System
Interface Printer: iX4L	Common ZPL RS-232 Ether	net WIFI			
	Baud Rate:	115200 -			
USB Initic recognition USB	Data Bits:	8 🔻			
Printer Information	Parity:	None 🔻			
Version: V10.03.02	Flow Control:	RTS/CTS 👻			
Serial Number:	Stop Bits:	1 •			
iX4L2020052500					
Cutting Counter:					
380					
Mileage:					
3585.79 m					
Get Printer Information					
Printer Status					
Nomdi					
	Load Save			Set Ge	et
Get Status	RTC Setting				



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

Settings Fonts Storage Function Test Command Test Firmware Download Fonts System
Interface Common ZPL RS-232 Ethernet WIFI
Printer: X4L UHCP:
USB IP Address:
Printer Information Subnet Mask:
Version: Default Gateway:
Serial Number: Mac address:
IX4L2020052500 Ethernet switch:
Cutting Counter: 380
Mileage: 3585.79 m
Get Printer Information
Printer Status
Normal
Load Save Set Get
Get Status RTC Setting



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

Printer Utility V1.0.0.7		
	Drage Function Test C	Command Test Firmware Download Fonts System
Interface	Common ZPL RS-232 Ethernet	WIFI
Printer: X4L 🔻	SSID:	IX4L
USB Iatic recognition USB	Password:	12345678
Printer Information	Work Mode:	AP 🔻
Version: V10.03.02	DHCP:	OFF -
Serial Number:	IP Address:	
iX4L2020052500	Subnet Mask:	
	Default Gateway:	
Cutting Counter:	Mac address:	
380	Need to set a password :	
Mileage:		need No need
3585.79 m		No need
Get Printer Information		
Printer Status		
Normal!		
	Load Save	Set Get
Get Status	RTC Setting	



(8) Click "RTC Setting". Click "Get System DateTime" to get the values, and click "Setup" to save them.

Then click "Close", and back to the main menu.

🍈 RTC Setup			x
Year:	2020	Get System DateTime	
Month:	7		
Date:	7		
Hour:	17	Setup	
Minute:	21	Jetup	
Second:	15	Close	

Note:

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

		> CMD >_	
Settings Fonts Sto	<u> </u>	Command Test Firr	mware Download Fonts System
Printer: iX4L			
	Ribbon Mode:	OFF •	
USB Intic recognition USB	After Printed:	Tear off 🔹 🔻	
Printer Information	After Power On:	None 🔻	
Version:	After TPH Close:	None 🔻	
V10.03.02	Protocol:	AUTO -	
Serial Number: iX4L2020052500	Paper Type:	Gap 🔻	
1X-122020032300	Sensor Select:	Transmissive	
	Buzzer Volume:	Low	
Cutting Counter:	Buzzer Volume:		
380	Maximum Length:	500	mm
Mileage:	Tear Off:	0	-120 ~ +120 dots
3585.79 m	Print Speed:	6	ips
Get Printer Information	Density:	15	0 to 30
Printer Status			
Normal			\forall \forall
i i i i i i i i i i i i i i i i i i i		_	
	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	e286,790,656B.				
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 🔹	Graphics Magnification: 1.0									
File Name: C:\Users\Administrator\	: C:\Users\Administrator\Desktop\1.bmp									
Free space: 286, 790, 656B; Uses space 119, 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 File Name: C:\Users\Administrator\	Magnification: 1.0 Desktop\1.bmp 1.5	Download
Free space:286,790,656B;Uses spa	2.0 2.5 ce119,401,472B. 3.0	
Graphics	Label Form	Auto Label Form
ÎÏ£.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 "Fonts".

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

Storage: FLASH Free space:	Select Font: Ili9,401,472B;Uses spaceB.		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).

Storage:	Select Font:	
FLASH -	C:\Users\Administrator\Desktop\Fonts\Fonts\CYR.ttf	 Download
Downloading:	167 KB/733KB.	
Free space:2,04	8,000B;Uses space24,576B.	
	I Contraction of the second	





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

Storage:	Select Font:							
FLASH	FLASH V C:\Users\Administrator\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:(Leng	th<256)					
FLASH	COUR.TTF	abc123						
FLASH	CYR.TTF							
	Delete	Printable Width:	30 (10-108)mm					
	Derete	Printable Height:	Print Text					
D	elete All Fonts	rintable neight.	30 (10-210)mm					



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

so on.





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





Chapter 7 Seagull Windows Driver Instructions

7.1 Introduction

The following operating systems are supported:

- Windows Vista, Windows 7, Windows 8 and 8.1, and Windows 10.
- Uvindows 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 iX4L 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	×
License Agreement Please read the following license agreement carefully.	SEAGULL
WINDOWS PRINTER LICENSE AND LIMITED WAR	
Seagull Scientific, Inc. ("Seagull") grants you a non-exc accompanying Windows Printer Driver(s) and related di Software"), subject to the following provisions. You as selection of the Seagull Software to achieve your inten- installation, use, and results obtained from the Seagull S	ocumentation ("Seagull sume full responsibility for the ded results, and for the
Both the software and the related material are Copyrigh Title to and all rights and interests in the Seagull Softwa whatever media, are and shall remain the property of S	re, wherever resident and on
 I accept the terms in the license agreement I do not accept the terms in the license agreement 	
< <u>B</u> ack	Next > Cancel



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

Windows Printer Drive	rs	×				
Installation Directory SEAGULL Please select the directory to unpack the software. SEAGULL						
	npacked to the directory listed below. To unpack to a d bath or click Browse to select a different directory.	lifferent directory,				
Installation Directory:	C:\Seagull\iDPRT\2019.2 M-2	<u>B</u> rowse				
	Space required on drive: Space available on selected drive:	45.8 MB 46.0 GB				
	< <u>B</u> ack <u>N</u> ext >	Cancel				

6.Click "Finish".





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



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



8.Choose model, then click "Next".

Seagull Driver Wizard
Specify Printer Model The manufacturer and model determine which printer driver to use.
Specify the model of your printer.
Printer Model
iDPRT iT4X (300 dpi)
iDPRT iX4E (203 dpi)
iDPRT iX4E (300 dpi)
iDPRT iX4L (203 dpi)
iDPRT iX4L (300 dpi)
iDPRT iX4P (203 dpi) iDPRT iX4P (300 dpi)
Source: C:\Seagull\jDPRT\2019.2 M-2 Version: 2019.2.2 (01/09/2020)
Version. 2019.2.2 (01/09/2020)
< <u>B</u> ack <u>N</u> ext > Cancel

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

Seagull Driver Wizar	d 💌					
Specify Printer Name Names are used to identify the printer on this computer and on the network.						
Enter a name for t	his printer.					
Printer name:	iDPRT iX4L (203 dpi)					
Use this printer	as the default printer					
	r not you want to share this printer with other network users. When provide a share name. his printer					
Share name:	iDPRT_iX4L_(203_dpi)					
	< <u>B</u> ack <u>N</u> ext > Cancel					



10.Click"Finish".



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





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





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



7.4 Usage

7.4.1 Printing Preferences

1.Click "Start" \rightarrow "Devices and Printers". Right click icon and choose "Printing preferences".





iX4L User Manual

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

🖶 iDPRT iX4L (203 dpi) Printing Preferences							
Page Setup Stock <u>N</u> ame:							
Preview ALE	Orientation Effects <u>P</u>ortrait <u>L</u>andscape Portrait 180° Landscape 180° Effects Mirror Image Negative Portrait 180° Landscape 180° Landscape 180° Landscape 180° Landscape 180° 						
N <u>a</u> me:	Preset Name: <default settings=""> _ Manage Advanced Options</default>						
© 2015-2020 Seagull Scientific, Inc., Authors of the BarTender® label software.							



 $\bullet {\rm Click}$ "Stock" \rightarrow "Name", and choose the paper type.

iddrt ix4	L (203 dpi) 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 6 (4.00 in x 6.00 in)	h				
	Portrait	Mirror Image				
ALE	Landscape	Nega <u>t</u> ive				
	Portrait 180° Landscape 180°					
Preset	(
N <u>a</u> me:	<default settings=""></default>	▼ <u>M</u> anage				
Ad <u>v</u> anced Options						
© 2015-2020 Seagull Scientific, Inc., Authors of the BarTender® label software.						
(OK Cancel	Apply Help				



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

Edit Stock								x
Stock				Previe	w			
<u>N</u> ame:	New Stock							
Туре:	Die-Cut Labels		-					л
Label Siz	ze				[]			1
<u>W</u> idth:	4.00 in	Height	4.00 in					
Exposed	Liner Widths							
Left:	0.05 in	<u>R</u> ight:	0.05 in					
					<u> </u>			$\left\{ \right\}$
				_				
					ОК	Cancel	Help	

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

Edit Stock									x
Stock	[(*******	Preview	v			
<u>N</u> ame:	USER								
Туре:	Die-Cut Labels		•		L I				
Label Siz	ze				ľ	-			
<u>W</u> idth:	4.00 in	Height	4.00 in						
Exposed	Liner Widths								
Left:	0.05 in	<u>Rig</u> ht:	0.05 in						
					Ľ			I	
						ОК	Cancel	Help	
									_



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



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

🖶 idprt ix4l	. (203 dpi) 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 Effects ● Portrait ✓ Migror Image ● Landscape ✓ Negative ● Portrait 180° ✓ Landscape 180°
Preset N <u>a</u> me:	<current settings=""> ▼ <u>M</u>anage</current>
	Ad <u>v</u> anced Options © 2015-2020 Seagull Scientific, Inc., Authors of the BarTender® label software.
	OK Cancel <u>Apply</u> Help



Page Setup G	raphics Stock Options /	About
<u>N</u> ame: U	SER (4.00 in x 4.00 in)	•
	Ne <u>w</u> <u>E</u> dit.	<u>D</u> elete
Preview	Orientation	Effects
	Ortrait	Mirror Image
ALE	Landscape	Vegative
	Portrait 180°	
	© Land <u>s</u> cape 180°	
Preset		
Name:	Current Settings>	▼ <u>Manage</u>
	urrent Settings>	
<l td="" <=""><td>)efault Settings></td><td>Advanced Options</td></l>)efault Settings>	Advanced Options
	© 2015-2020 Seagull Sci Authors of the BarTender® I	

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



•Click "Manage", and change the settings.

Presets	—
Presets allow you to save your pri quickly switch between different o	nt settings with a name so that you can configurations.
Preset List < <u>Current Settings></u> <default settings=""></default>	Preset Information Name: <current settings=""> Description:</current>
	This preset contains this driver's current settings.
Preset Management	
ОК	Cancel Help



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

🖶 iDPRT iX4L (203 dpi) Printing Preferences
Page Setup Graphics Stock Options About
Resolution: 203 dpi x 200 dpi
Dithering
<u>N</u> one
<u>H</u> alftone Ordered
O <u>Alg</u> ebraic
C <u>E</u> πor Diffusion
Device Dithering
Color Adjustment <u>D</u> ithering Setup
Color
Color Control: Monochrome
Color <u>M</u> atching:
Color Registration Color Setup
OK Cancel <u>Apply</u> Help

lalftone Colo	or Adjustment:	iDPRT iX	(4L (203 dpi)	? ×
Contrast:	0 🕢 📃		Illuminant: 1: Device's Default 🔹 👻	
Brightness:	0 • 📃	•	Input RGB Gamma — 🔲 Linear=1.0 —	
Color:	0 🔳	Þ	✓ Red: 1.000 <	ОК
Tint:	0 🔳	÷.	✓ Green: 1.000 <	Cancel
📃 Dark Pie	cture 📃 Neg	ative	✓ Blue: 1.000 <	Default
Black Ref: 0).000 < 📃	÷.	White Ref: 1.000	Revert
Picture: A. S	eattle	•	160x120, 24 bpp> 468x351	Open
View	Maximize	Palette	Scale 🔲 Flip X 🔲 Flip Y	Save As



age Setup Gra Media Settings	
Print Method:	Use Current Printer Setting
Media <u>T</u> ype:	Use Current Printer Setting
	e Current Printer Setting Pause After Cut Pause After Cut Pause After Cut Interval: 1
Feed Options	ustment:
	sition Adjustment:

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



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

iDPRT iX4L (203 dpi) Printing Preferences
Page Setup Graphics Stock Options About
Media Settings
Print Method: Use Current Printer Setting
Media <u>Type</u> : Direct Thermal
Thermal Transfer
Feed Mode
Mode: Use Current Printer Setting Pause After Cut
Pause: No Pause Interval: 1
East Online
Feed Options
Set Rest Position Adjustment:
OK Cancel <u>A</u> pply Help



•Set up the media type.

🖶 iDPRT iX4L (203 dpi) Printing Preferences
Page Setup Graphics Stock Options About
Media Settings
Print Method: Direct Thermal
Media Type: Use Current Printer Setting
Use Current Printer Setting
Non Continuous (Web Sensing)
Feed Mode Non Continuous (Mark Sensing)
Mode: Use Current Printer Setting Pause After Cut
Pause: No Pause Interval: 1
5.10 *
Feed Options
Set <u>R</u> est Position Adjustment:
OK Cancel Apply Help





Media Sei <u>P</u> rint Meth Media <u>T</u> yp	nod: Direct Thermal
-Feed Mod	
Mode:	Use Current Printer Setting Pause After Cut
Pause:	Use Current Printer Setting Tear Off Peel Off Cut
-Feed Opti	ons
Set To	pp <u>A</u> djustment:
Set <u>R</u> e	est Position Adjustment:

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


7.4.2 Printer Properties

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







	lvanced	Color Management	Security
T 11/11 / 202 1 1			
AT 1141 (2007) 1 1			
RT iX4L (203 dpi)			
T iX4L (203 dpi)			
	Paper av	/ailable:	
)			*
tion: 203 dpi			*
Pr <u>e</u> fe	erences	Print <u>T</u> est	Page
	ition: 203 dpi	Paper av	Paper available:

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



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

niddraf ixal (2	03 dpi) Properties			×	
Fonts		Tools	About		
General S	haring Ports	Advanced	Color Management	Security	
iD	iDPRT iX4L (203 dpi)				
Print to the for checked port	ollowing port(s). Doc	uments will pr	int to the first free		
Port	Description	Printer		<u> </u>	
LPT1:	Printer Port				
LPT2:	Printer Port			E	
LPT3:	Printer Port				
COM1:	Serial Port	iDPRT i	X4L (203 dpi)		
COM2:	Serial Port				
COM3:	Serial Port				
COM4:	Serial Port			-	
Add P	or <u>t</u>	<u>D</u> elete Port	<u>C</u> onfigure Po	ort	
	irectional support nter pooling				
	ОК	Cancel	Apply	Help	





F	onts		Tools		Abou	ut
General	Sharing	Ports	Advanced	Color N	lanagement	Security
Always	s available					
	ble from	12:00 AM	≜ ▼	То	12:00 AM	A. V
Priorit <u>y</u> :	1	* *				
Dri <u>v</u> er:	iDPRT i	iX4L (203 dp	oi)		→ Ne <u>w</u> [Driver
© S <u>t</u> a		fter last pag	gram finishes p ge is spooled	printing f	aster	
© S <u>t</u> a Sta	art printing a	fter last pag mmediately	je is spooled	printing f	aster	
© S <u>t</u> a © Sta © Print <u>d</u>	ort printing a ort printing <u>i</u>	fter last pag mmediately e printer	ge is spooled	printing f	aster	
© Sta © Sta Print <u>d</u> <u>H</u> old r	ort printing a ort printing <u>i</u> firectly to the nismatched	fter last pag mmediately e printer documents	ge is spooled	printing f	aster	
© S <u>t</u> a © Sta © Print <u>d</u> <u>H</u> old n <u>V</u> P <u>r</u> int s	nt printing a nt printing <u>i</u> lirectly to the nismatched pooled docu	fter last pag mmediately e printer documents uments first	ge is spooled	printing f	aster	
© Sta © Sta © Print <u>d</u> <u>H</u> old r <u>Print s</u> <u>K</u> eep p	ort printing a ort printing <u>i</u> firectly to the nismatched pooled docu	fter last pag mmediately e printer documents uments first ments	ge is spooled	printing f	aster .	
 Sta Sta Print d Hold n Print s Keep p Enable 	nt printing a nt printing <u>i</u> lirectly to the nismatched pooled docu	fter last pag mmediately e printer documents uments first ments printing feat	ge is spooled		faster Separat <u>o</u> r P	

4. Click "Advanced" to set the available time for printer.



Chapter 8 BarTender UltraLite Instructions

8.1 Introduction

This chapter provides instructions on BarTender UltraLite program according to PC operating systems (OS).

The followings are supported.

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

8.2 Installation Preparation

Download BarTender UltraLite application program in CD.



8.3 Installation



- Under different operating systems, the screen may be slightly different. Take Windows 7 as example.
- Take printer iX4L as example.
- To avoid the prevention, recommend to close the security software before installation.

1.Double click the application program

2.Select language, then click "OK".

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

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	2

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
\mathbf{V} I <u>a</u> ccept 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 S	Setup 💽
Installa	tion Options
Features	
📘 🔽 Ba	arTender <u>D</u> esigner
🌖 🔲 A	I <u>T</u> ranslations
🕒 🔽 Sa	imple Doc <u>u</u> ments
Installation F	older
Install t <u>o</u> :	C:\Program Files (x86)\Seagull\BarTender UltraLite Browse
	< <u>B</u> ack <u>N</u> ext > Cancel

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 Ca	ancel



8.Click "Finish".

BarTender Setup
Installation Complete
The installation has completed successfully.
Run <u>B</u> arTender
✓ Create <u>D</u> esktop Shortcut
☑ Open <u>G</u> etting 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>Einish</u>

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





8.4 Usage

8.4.1 Page Settings

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

different needs.)

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

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 do not meet your need, tick "Specify Custom Settings". Then click "Next".

New Document Wi	zard	
Stock Selection		
A Stock specifies the s position of the items of Stock or specify your o	ize of the page, and the size, number, and n the page. You may select a predefined own custom settings.	
Specify Custom S	ettings	
Use a Predefined	Stock	
⊆ategory;		
Stoc <u>k</u> Name:	A	1
	-	
	<	
		< Back Next > 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 $\underline{\frown}$ olumns: 1	
< <u>E</u>	ack <u>Next</u> > <u>Finish</u> Cancel



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

New Doc	ument Wizard	
Side Edges Specify th	e characteristics of the sides of your media.	
Does your s the edge of	tock have a small amount of unused material between the item and the edge of the page?	Preview:
◎ <u>Yes, it</u> © N <u>o</u> , it	does have some unused material on the sides does not	
Width of Un	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>Einish</u> Cancel



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

New Document Wizard	
Printed Item Shape Specify the shape of your items.	
	Preview:
O Ellipse	
© <u>C</u> irde	
	Template Size: 3.998 x 4 in
	< <u>Back</u> <u>Next</u> > <u>Finish</u> 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		•	1	Preview:
<u>W</u> idth:	3.998	in	<u>H</u> eig <mark>ht:</mark>	4.0	in		
Note: Do no the item.	e 80 e 180	any of t	he unused area	3.	ding		
							Template Size: 3.998 x 4 in
						< <u>B</u> a	ack Next > Finish Cancel



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





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

New Document Wizard	X
Finished!	
When you press Finish, a new BarTender document will be created using the settings that you specified. Review: Starting Document: Blank Printer: Template Size: 3.998 x 4 in	Preview:
	< Back Next > Finish Cancel



8.4.2 label Edit

1.Click the icon of code

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





3.Click the blank, showing the code.



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

Barcode Properties				×
Barcode Properties			 ✓ Auto ✓ O.5 in Auto ✓ ✓ 	
	<u>C</u> olor:		Prin <u>t</u> Method Close He	elp





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



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





7.Compose the text.



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



Appendix I Display Menu

Main menu	Su	bmenu	Parameter	Remark
		Printing Method	0: DT 1: TT	Default: Factory settings (locked/unlocked))
		Printing Speed	2-N ips	Default: Factory settings N: Maximum depends on the language
	Printing Setup	Printing Darkness	0-N ZPL/DPL/=30;EPL=20; TSPL=15	Default: Factory settings N: Maximum depends on the language
		Page Rotation	0: 0°, 1: 90 ° 2: 180°, 3: 270°	Default:0 (locked/unlocked)
		After Printed	0: None, 1: Tear 2: peeler, 3: Cutter	Default:1 (locked/unlocked)
Setting		Stop Position	Position peel, tear and cutter position 0: Automatic default 1: manual 0 - 30.0 mm	Default: Tear paper line position based on print line (locked/unlocked)
Setting		Label type	gap label (default), black label, continuous paper	Default:0 (locked/unlocked)
<u>Conneg</u>		Position	Automatic (default) penetration detection Reflective detection	Default:0 (locked/unlocked)
Ac	Advance	Print Y offset	Adjust the vertical coordinates of the print start position + /- 120 dots	Default:0 (locked/unlocked)
		Print X offset	Adjust the horizontal start of the print + /- 120 dots	Default:0 (locked/unlocked)
		PL Simulation	Automatic or manuallying 0: Automaticrecognition switch1: ZPL2: TSPL3: EPL4: DPL	Default:0 (locked/unlocked)



Main menu	Sub	omenu	Parameter	Remark
			0: CP850	
			1: CP852	
			2: CP437	
			3: CP860	
			4: CP863	
			5: CP865	
			6: CP857	
			7: CP861	
	Advance		8: CP862	
		Codepage	9: CP855	Default:0 (locked/unlocked)
Setting	- 00		10: CP866	
TÖT.			11: CP737	
Setting			12: CP851	
County			13: CP869	
			14: Win 1252	
			15: Win 1250	
			16: Win 1251	
			17: Win 1253	
			18: Win 1254	
	LCD		0: No	Default:1
	Language	LCD Timeout	1: 10s-9: 90s	Default:1
		LCD Brightness	0-9	Default:4



Main menu	Sub	menu	Param	Parameter		ark
	LCD Language	LCD Language	 0: English 2: Português 4: Deutsch 6: Japanese 8: Simplified Ch 9: Traditional Ch 		Default:0 9: Downloada	able changes
		LCD Password	NNNN		Default:0000 N: 0-9 NNNN: 0000 password fur	indicates no
Setting		Standby Display	0: Display Read 1: Display date	-	Default:0	
Setting	Port setting	RS232 Setting	Baud Rate		0: 9600, 2: 19200, 4: 57600, Default:0	1: 14400, 3: 38400, 5: 115200
			Data Bits		0: 7-bit, 1: 8-bit Default:0	
			Parity Check		0: None, 1: Odd, 2: Even	
			Flow Control		0: None, 1: XON/XOFF 2: Hardware, 1.SW+HW Default:2	



Main menu	Sub	omenu	Parameter	Remark				
			Ethernet Switch	0: OFF 1: ON Default: Factory settings				
			Address Mode	0: DHCP 1: Static Default:1				
		Ethernet	IP Address	NNN.NNN.NNN.NNN Default:192.168.1.1 N: 0-9; NNN: 0-255				
Setting	Port setting	Setting WiFi Setting	Default Gateway	NNN.NNN.NNN.NNN Default:192.168.1.0 N: 0-9; NNN: 0-255				
Setting							Subnet Mask	NNN.NNN.NNN.NNN Default: 255.255.255.0 N: 0-9; NNN: 0-255
			Port Number	NNNNN Default:9100 N: 0-9				
			WiFi Switch 0: OFF; 1: ON	Default:0				
			Networking Mode 0: AP mode 1: Station mode	Default:0				
				SSID Alphanumeric character	AP Default: Printer model ST Default: Blank			



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



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



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



Appendix II Warning

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





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



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



Appendix III Icon Description

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









Appendix IV Trouble Shooting

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



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

DPRT

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



Appendix V Download Path for UTILITY and Driver

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





FCC-DECLARATION OF CONFORMITY

Product

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

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

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



EC DECLARATION OF CONFORMITY

Manufacturer certifies that the following designated product

Type of product

Thermal Transfer label/Direct Thermal Label Printer

It is in conformity with the standards

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

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

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

The declaration is sole responsibility of the manufacturer

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

Please refer to the attachment for details of FCC certification.

