

Contents of this manual without the permission of the company shall not be free to change and replication, we reserve the right to change the product, if user needs the product further information can contact directly with the supplier.

3.7 Function instruction

1. Support both AP+STA function; Support WiFi direct connection printing.
2. Support Airprint; Support driver-free printing for MAC, Linux and Android.
3. Support to print a variety of languages, just download the corresponding TTF file can print each language without customization.
4. Support to print different fonts and sizes.
5. Support to print PDF files.

4. Communication connection

4.1 Wireless connection(Bluetooth/WiFi)

This series of printers can be equipped with Bluetooth 2.0 (SPP) or Bluetooth 4.0 (BLE) communication function. Bluetooth 2.0 can support the communication with the mobile terminal based on the Android system, and Bluetooth 4.0 can support the communication with the mobile terminal based on the Apple iOS system.

Bluetooth connection method: After power on the printer, use the mobile terminal or the other communication equipment with Bluetooth to search the printer, after selecting the corresponding printer, enter the Bluetooth PIN code to connect, after successful connection, can be used normally. Usually Bluetooth PIN code is "0000", for more details, please refer to the "self-test page".

※ NOTE: The interface is optional. The actual product depends on the purchase.

5. Accessories

Printer 1PC
Power adapter 1PC
Power plug 1PC
USB cable 1PC
Paper width adjuster 1PC

※ Note: the specific product accessories may be different from this list, if in doubt, please consult your supplier.

Appendix:

The instructions of indicate light and buzzer signal

This printer has 2 indicators to remind the user of the status of the printer.

The details are as follows:

Operation	Printer status	Blue indicator	Red indicator	Yellow indicator
Power on	ON	Flash once	Flash once	Flash once
Power off	OFF	/	/	/
Error	Paper out or cover opened	Flash slowly	Flash	/
Connect to Bluetooth	Bluetooth Connected	ON	/	/
WPS	WPS pairing	ON or	/	Flash quickly
	WPS connected	Flash slowly	/	ON
WiFi	Disconnected	ON or	/	/
	Connected	Flash slowly	/	ON

Buzzer instructions and troubleshooting

Buzzer	State description	Troubleshooting
2 sounds	Printer mechanism abnormal	Printer mechanism broken or connected anomaly
3 sounds	Out of paper	Load paper correctly
4 sounds	Cutter abnormal	Cutter broken or jam
5 sounds	Printer head overheated	Wait for the printer to cool down and continue working
6 sounds	Cover opened	Close the cover correctly
7 sounds	Motor abnormal	Feed motor cannot work
8 sounds	Label detection anomaly	Open paper cover to load the label roll again
10 sounds	Voltage abnormal	The power is too low

Thermal Label Printer User's Manual



Attentions:

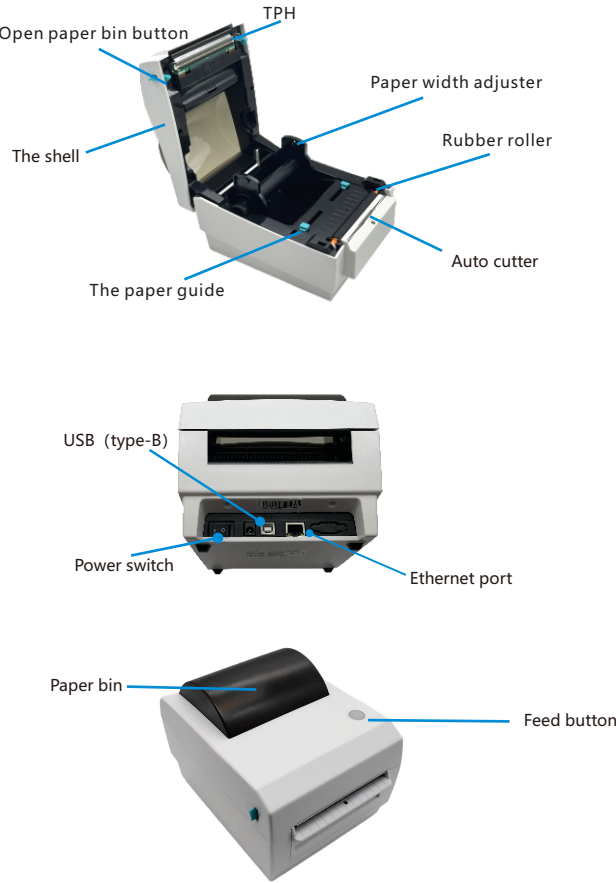
1. The printer should be away from the water and avoid the sunlight, glare and heat source direct exposure. Avoid any liquid, dust and metal objects into the interior of the printer.
2. The high environment temperature (>45°C) or the low temperature(<5°C) will reduce the print quality.
3. The high humidity (>85%RH) or the low humidity (<20%RH) will reduce the print quality.
4. Don't open the cover of paper bin in printing process.
5. Using low quality or storage too long time print paper will reduce the print quality, even damage the printer.
6. If there is dirt at the print head, need to use a soft cotton or cotton swab to dip alcohol and wipe it clean to prevent the print head from being worn.
7. Don't touch the print head and retainer directly in order to avoid damaging the print head because of static electricity. Don't scratch or touch the print head with a hardened object to avoid damaging the print head.
8. Please try to use up the battery before charging, which can effectively protect the battery life.
9. Please using the power supply attached to the product, or else, it maybe damage the printer or cause the charging time to extend.
10. In the course of any accident, please disconnect the printer power supply, and remove the printer battery immediately.
11. If user disassemble the printer, the company has the right to refuse warranty on the product.

▲ This printer uses a thermal resistance to detect the temperature of the print head. If the print head is overheated, the circuit will cut off the power and stop printing. The overheat temperature of the print head is 80°C.

Storage precautions:

1. If not to use the printer for a long time, please be sure to remove the battery from printer, and disconnect the charger's power supply.
2. The storage time of printing content is short using the ordinary thermal printing paper. If you want to print the long-term preservation, please select the long-term thermal printing paper.
3. The thermal printing paper should not be stored in high temperature, humidity environment, or direct sunlight. If its package has been opened, please place it in the dark place.

1. Product introduction



2. Functions and features

Items	Parameters	
Printing parameters	Printing method	Thermal dot line printing
	Resolution	203DPI/300DPI
	Printing width	108mm (864 dots/1248 dots)
	Printing speed	150mm/s
Communication	Wired	Standard: USB port(TYPE-B), Ethernet
	Wireless	Optional: SPP(for Andriod), BLE(for iOS), WiFi
Command sets	/	ZPL/JPL/ESC/POS Command sets
Storage	RAM	64MB
	FLASH	128MB
Characters	Chinese	GB18030 24×24
	Characters and figures	ASCII 9×17,12×24
	User defined	Support
	Language(code page)	Support simplified & traditional Chinese, English and other 45 kinds of international character sets.
Tables	/	Support dots printing with different densities
	/	Support raster bitmap print
Barcode	1D	UPC-A, UPC-E, EAN-8, EAN13, CODE39, ITF, CODEBAR, CODE128, CODE93, etc.
	2D	QR Code
Detection	Sensor	Paper out, Cover open, label gap detection
Indicators	LED	Power indicator, Bluetooth indicator, error indicator, WPS indicator
Printing Paper	Type	Standard thermal label paper/ thermal receipt paper
	Width	108mm
	Thickness	0.056~0.15mm(thermal label paper)
	External diameter	100mm(Max)
	Paper loading	Easy paper loading structure
	Paper tore	Auto cutter
Physical features	Operating environment	Temperature: -10°C ~ 50°C, Humidity: 25% ~ 80%RH
	Storage environment	Temperature: -40°C ~ 70°C, Humidity: ≤93%RH(40°C)
	Size	230mm×178.6mm×160.8mm(L×W×H)
	Weight	1.3kg (Printer only)
	Print head	100Km
Reliability	Cutter	1,200,000 times
	Drivers	Windows (WIN11/WIN10/WIN8/WIN7/Vista/XP/2000)
Softwares	App	Printer setting tools
	Printer	Input: 24VDC, 2A

3. Basic operation

3.1 Power on the printer

In power off status, connect the power cord and power adapter of the printer, press down the power switch, then the printer power on. At this time, the power indicator is on, and the buzzer prompts a beep.

3.2 Power off the printer

In power on status, press down the switch that can make printer off. At this time, all the indicators off, and the printer off and stops working.

3.3 Print self-test page

After the user gets the printer, the printer can be self-test to detect the current settings and working status.

When the printer is power off and the print paper is loaded correctly, press down the power switch to power on the printer. Then double click the Feed button simultaneously.

The self-test page contains information about the current status of the printer, settings and printing examples, such as Bluetooth PIN, Bluetooth BDA, printing language, program version, font, etc.

3.4 Feed paper(manual)

In the normal working status, press the "Feed" button, the printer will feed paper.

3.5 Paper loading method

Open the cover of paper bin, draw out the head of paper roll, and put it into the paper bin in the direction shown below.



3.6 Label mode switching(Label/Receipt)

This printer is compatible with Label mode and Receipt mode, if you need to set the label mode, put the label paper correctly and press down the FEED button for 5s to release, after 1 beep, the printer can automatically learn the label paper. Conversely, if put thermal receipt paper, and press down FEED button for 5s to release, after 1 beep, the printer can automatically learn the receipt paper.