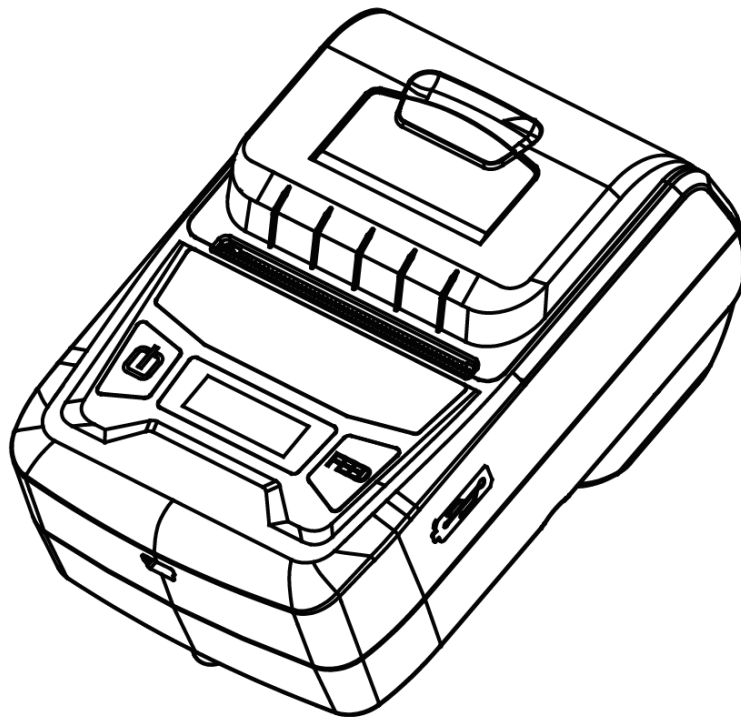


MOBILE THERMAL PRINTER

# User Manual



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## **PRECAUTIONS**

### **1. Safety Precautions**

- 1) Be sure to use the specified battery and power supply provided by our company.
- 2) Connection to an improper power supply may cause burning, explosion or damage to printer.
- 3) Don't put the battery into fire or water, don't disassemble or modify the battery, don't be short circuit, otherwise may result in injury or even fire explosion.
- 4) If the printer would not be used for a long time, be sure to take off the battery, otherwise the battery may leak liquid which is corrosive. If improper operation causes battery leak, and the liquid is spattered on the skin or clothes, please wash it with water. if spattered into eyes, please rinse them with water thoroughly and soon see a doctor.
- 5) Please do not open the paper case cover while it is printing or just when printing is over, do not touch the print head with hand or body, overheat may cause scald.

### **2. Operation Precautions**

- 1) Water or other liquid should not spill into the printer, also the printer should not be exposed in rain or else may cause printer damage.
- 2) Please do not open the paper case cover when it is printing, otherwise the printer may work improperly.
- 3) When printing with Bluetooth interface, the communication distance should be within 10 meters, otherwise the printer doesn't print or it will print rubbish codes.
- 4) Too high (50°C) or too low (-5°C) temperature and too high (80%) or too low (25%) relative humidity both will affect the printing quality.
- 5) The thermal paper in poor quality or stored for too long time also may reduce the printing quality or even damage the printer.

### **3. Storage Precautions**

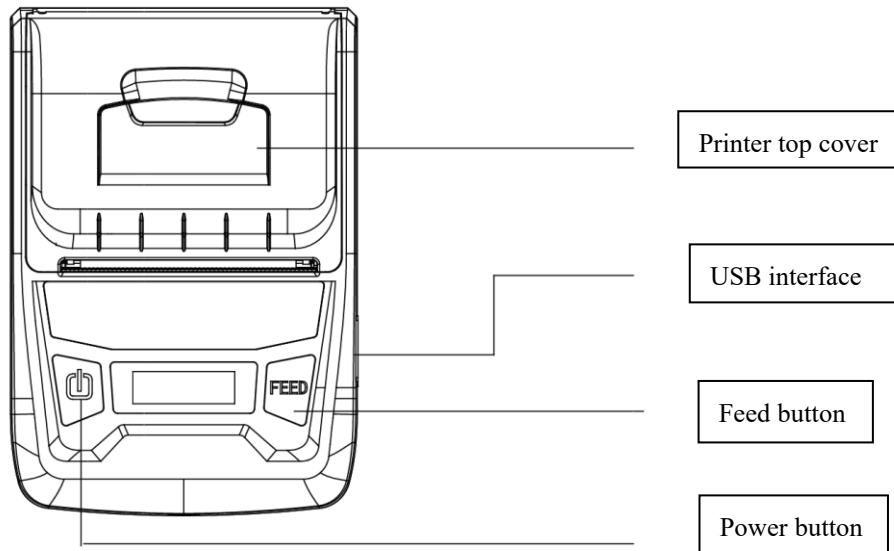
- 1) The printer should be placed in such an environment that the temperature is between -20°C to 70°C, and the relative humidity is within 5% to 95%.
- 2) If the printer will be stored for a long time, please be sure to take out the battery, otherwise may damage the battery and printer.
- 3) Normal thermal paper can't be kept too long, if you need to keep the receipt for a long period, please choose long term effective thermal paper.
- 4) The thermal paper should be keep away from high temperature environment and point-blank sunshine.

#### 4. Battery Safety Precautions

- 1) Be sure to carefully read the user manual before using this product.
- 2) Ignore the following instructions may cause battery overheating, burning, explosion, damages the performance and reduce the product life.
  - ① Do not allow water, sea water from entering or leaking into the battery inside. If the battery internal safety device burn, when charging it, it may produce abnormal current, voltage, and chemical reaction to cause the battery overheating, burning and explosion.
  - ② Do not use or place the battery nearby the stove or other high temperature places. Excessive heat may damage the resin shell or the insulation materials, thereby cause short-circuit inside the battery and result the battery overheating, burning and explosion.
  - ③ When charging, use a specified charger. Other conditions (high temperature, high pressure/high current, using the modified battery charger, etc.) excluded here may result in over-charging the battery and abnormal current or voltage, cause abnormal chemical reaction, and may cause the battery overheating, burning or explosion.
  - ④ Do not make the battery contact with the power outlet or car cigarette lighter socket. This may cause high pressure and excessive current, and lead the battery overheating, burning or explosion.
  - ⑤ Do not heat the battery or put the battery into fire. This may melt insulation material and damage safety devices or safety equipment, then ignite electrolytic solution, and cause the battery overheating, burning or explosion.
  - ⑥ Do not use the battery with contrary (+) and (-) location. In the charging process, this will cause the reverse charging and may cause abnormal chemical reaction. During use, may appear unpredictable current exception, and cause the battery overheating, burning or explosion.
  - ⑦ Battery clearly marks with positive and negative. When connect the battery with the charger or printer, be sure to verify the correct battery orientation. Reverse insertion will cause the reverse charging and may cause abnormal chemical reaction, and then may cause the battery overheating, burning or explosion.
  - ⑧ Do not make the battery (+) and (-) connect with any metal. Also, do not carry along or store batteries with metal objects, such as necklaces, hair clips and so on. Battery internal short circuit may cause excessive current, and lead to the battery overheating, burning or explosion and the adjacent metal objects (necklaces, hairpins, etc.) may be overheated.
  - ⑨ Do not throw or heavily attack the battery. If internal safety device of the batteries burned, the battery charging may cause abnormal current and voltage, and abnormal chemical reaction, and lead the battery overheating, burning or explosion

## CHAPTER 1 BRIEF INTRODUCTION

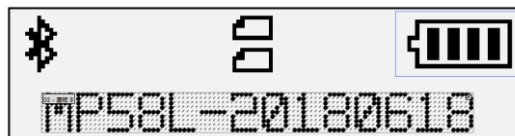
### 1.1 Appearance



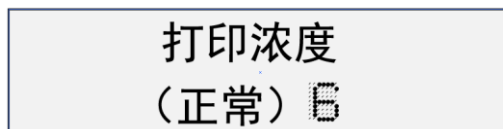
**Power Button:** long press to power on/off the printer, short press enter to setup menu;

**Feed button:** Press the **【FEED】** when the printer in normal operation condition, the printer will feed paper;

When the printer power on, short press the Power button again to enter the setup page (see following):

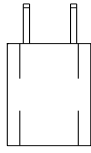


Short press the Power button to switch the options, short press the **【FEED】** setup the options, short press Power button again to confirm the setup.

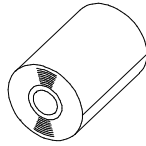


## 1.2 Printer accessories

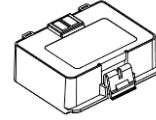
Plug



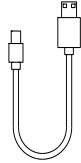
Paper roller



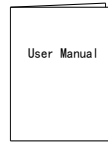
1500AH battery



Micro USB



User manual



Leather case(Optional)



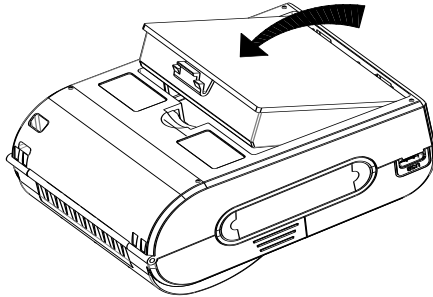
## CHAPTER 2 SPECIFICATIONS

ITEM		Parameter
Printing	Printing method	Thermal dot line printing
	Resolution	203dpi, 8dots/mm
	Printing speed (Max)	70mm/s
Printing	Width	58mm
	Valid printing width	48mm
	Paper roller diameter	≤50mm
	Paper thickness	60~80μm
Interface		Bluetooth and USB
Command sets		Compatible with ESC/POS
Character Set	Font	ASCII:9×17,12×24; Multiple code pages support
Barcode Symbologies	1D	UPC-A, UPC-E, EAN8, EAN13, Code39, ITF, Codebar, Code128, Code93
	2D	QR code
Graphics		Support bitmap printing with different density and user defined bitmap printing (Max. 40K for per bitmap, and Max. 64K for total)
Detection	Sensors	Paper out/ low battery/ printer cover open
Charging	Charger	1) 12V/1A adapter
	Battery	1500mAh/7.4V rechargeable Li-ion battery. Full charge print 300~350m (printing density not more than 12.5%) or 250~300mm (printing density not more than 25%)
Physical characteristics	Working condition	-10°C~70°C, 20%~85%RH
	Storage condition	-10°C~70°C, 20%~85%RH
	Dimension	124*85*57mm(W*D*H)
	Weight	282g (without paper roll)
Software	Emulation	ESC/POS compatible command set
	Driver	Windows XP//Win7/Win8/Win10

## CHAPTER 3 OPERATION METHODS

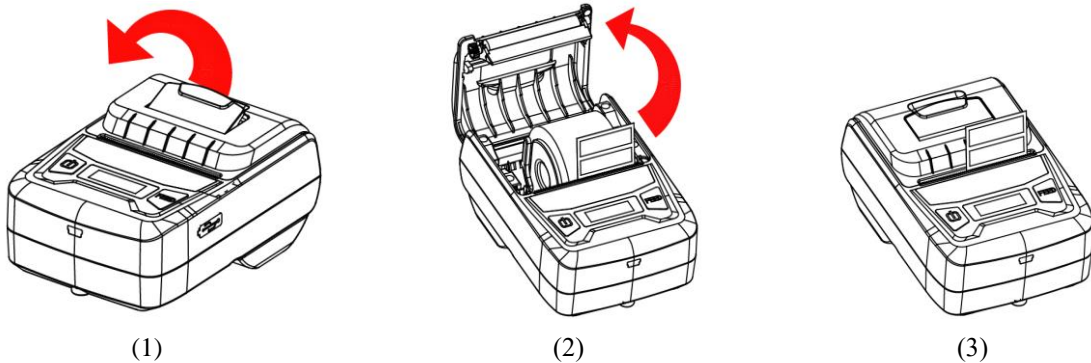
### 3.1 Preparation Before Using

#### 3.1.1 Li-ion Battery Installation



- 1) Refer to the above picture, put the battery in the battery slot and close the battery case.

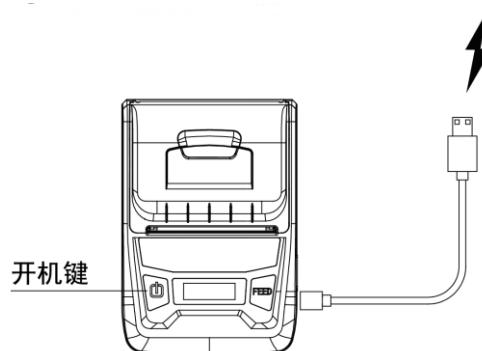
#### 3.1.2 Paper Loading



- 1) Hold tight of the printer and the other hand pull the printer top cover up;
- 2) Put paper roller inside, and be well noted that the paper shall be in right direction, see picture 2;
- 3) Pull little out of the paper and cover the printer.

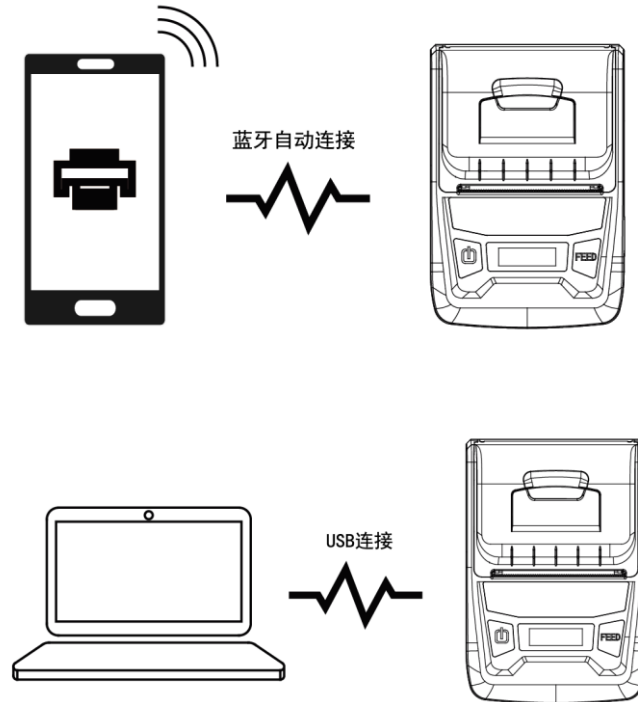
#### 3.1.3 Charging

- 1) Make sure the printer be full charged before using.




















### 3.2 Preparation Before Using

- ① Under Android terminal: Turn on the Bluetooth in the terminal to search for the right printer and input the password “0000” to connect and do the print (Support Android4.0 and above).
- ② Under IOS terminal: Turn on the Bluetooth in the terminal to search for the right ②printer, and input the password “0000” to connect and do the print (Support iphone4S, Ipad2 version and above).
- ③ Windows terminal, using mini USB to connect the printer and the PC, install driver and printer software in PC, choose the right printer to print (Ask for the driver and software from your supplier).

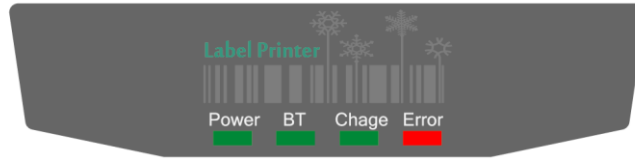


### 3.3 Display Screen, LED Indicator and Buzzer Definition

#### 3.3.1 Display Screen

 : BT unavailable	 : USB connected
 : BT disconnected	 : Paper feeding
 : BT connected	 : Charging
 : Continouse paper mode	 : Out of power
 : Interval paper mode	 : 25% power left
 : Black mark mode	 : 50% power left
 : No paper	 : 75% power left
 : Cover open	 : Full of Power
	 : Power off charging

3.3.2 LED indicator



	On	Blink Slowly	Blink Fast
Power	Power on Status	Stand by Status	
Bluetooth	BT Connected		BT Abnormal
Charge	Power off Charging	Power on Charging	Battery Low
Error	Paper out Status	Cover Open Status	High Temp. Status

3.3.3 Buzzer Definition

- 1、 Paper out alarm: di di di~~~di di di~~~
- 2、 Cover open alarm : di~~~di~~~
- 3、 Low battery alarm: di di ~di-di di~di~