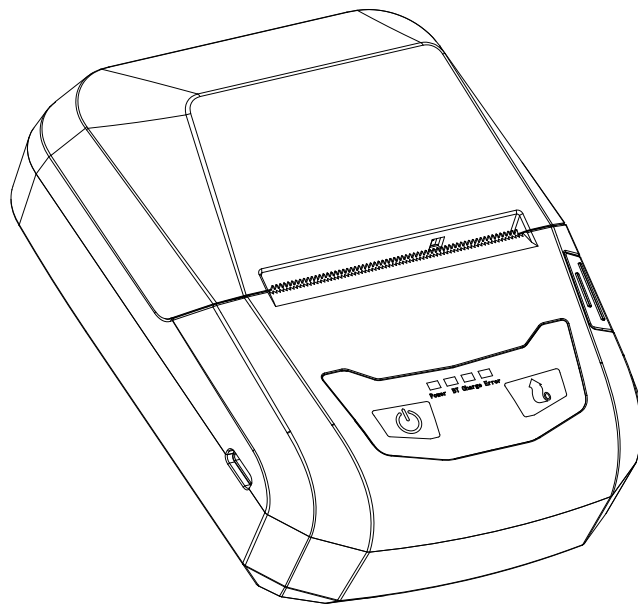# MOBILE THERMAL LABEL PRINTER

User Manual

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℃) or too low (-5℃) 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℃ to 70℃, 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
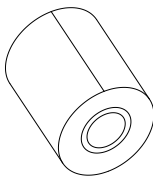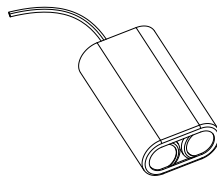
CHAPTER 1 BRIEF INTRODUCTION

1.1 Appearance
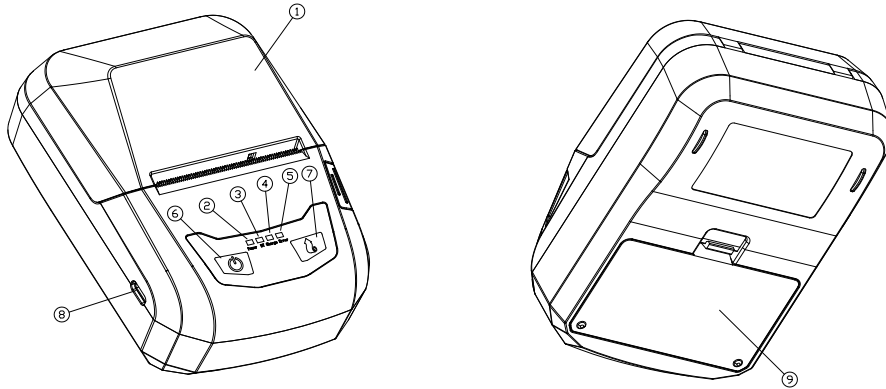
1. Printer top cover	2. Power indicator
3. Bluetooth indicator	4. Charge indicator
5. Error indicator	6. Power on button
7. Feed button	8.Type C USB port
9. Battery cover	

1.2 Printer accessories

Paper roller	7.4V Battery	Type C USB Cable	User manual
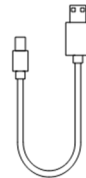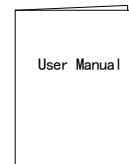
CHAPTER 2 SPECIFICATIONS

ITEM	Parameter
Printing method	Thermal dot line printing
Printing Resolution	203dpi, 8dots/mm
Printing speed (Max)	60mm/s
Paper Width	20~48mm
Valid printing width	48mm
Paper roller diameter	≤50mm
Interface	Bluetooth
Command sets	Compatible with YPL
1D Barcode	UPC-A, UPC-E, EAN8, EAN13, CODE39, ITF, CODEBAR, CODE128, CODE93
2D QR code	QR code
Graphics	Support bitmap printing with different density and user defined bitmap printing
Detection Sensors	Paper out/ low battery/ printer cover open
Charging	5V/1A adapter
Battery	2000mAh/7.4V rechargeable lithium battery (2~4H can be full charged). Full charge can print 300~350m (printing density not more than 12.5%) or 250~300mm (printing density not more than 25%)
Working condition	-10°C~50°C , 20%~85%RH
Storage condition	-10°C~70°C, 5%~95%RH
Dimension	127.52*88*64.62mm (W*D*H)
Weight	284g (without paper roll)

CHAPTER 3 OPERATION METHODS

3.1 Basic Functions

3.1.1 Power On

The printer is powered on by pressing the 【POWER】button lasting for about 2 seconds, and the power indicator is light in green color.

Notice: When the printer is out of paper, 【ERROR】light will be on and the buzzer beeps every two seconds. when the battery is almost exhausted, the buzzer keeps ringing and the 【Charge】green light blinks fast,, In this case, you must charge the battery.

3.1.2 Power Off

The printer is powered off by holding down the 【POWER】button for about 2 seconds. All the indicators are off when the printer is off

3.1.3 Self-test

The self-test page indicates the printer's currently status. Hold down the【FEED】button while press 【POWER】button about 2 seconds, the self-test printing begins. The printer is ready to receive data as soon as it completed self-test.

3.1.4 Paper Feeding (Manual paper feeding)

In Continuous paper mode : Users could use 【FEED】button to feed paper manually when printer on normal working status.

In Label paper mode: Users could use 【FEED】button to locate one label paper when printer on normal working status.

3.1.5 Battery Charging

Before the battery runs out of power, the printer power indicator will blinks fast, It will power off automatically if printing continuously. Charging Method: ① Connect the power charger to the power connector of the printer. ② Plug the power charger into an electrical outlet (Printer could be in use when charging). Power-off/Power-on charging：LED light will always indicate green color and goes off when fully charged.

NOTE: Please use the original battery and power charger, otherwise printer may be damaged or even cause explosion.

3.1.6 Label calibration

In label mode, press the【POWER】 and 【FEED】 button for 5 seconds at the same time to start label calibration. And at this time, the led lamp flashes alternately as the water lamp.

3.2 Printer connecting and Printing

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 and then open the application that installed

in the iOS phone search for the right printer, and input the password "0000" to connect and do the print (Support iphone4S, Ipad2 version and above).

3.3 LED Indicator and Buzzer Definition

When the battery power lower than 6.8V, the printer will tweet continuously. Only when plug in charger to charge the printer that it will stop tweeting. When battery power lower than 6.4V, the printer will power off.

When the printer is powered on by pressing the [Power] and [Feed] button and the printer is in the paper out state, the printer will enter the HEX DUMP mode. At this time, the [Power] indicator is green and the [Error] indicator is red, and the buzzer will sound 3 times every 2 seconds. When the paper is loaded, the buzzer stops ringing and the printer automatically prints "Hexadecimal Dump, to terminate hexadecimal dump, please turn off the printer". In this case, the printer will print out the hexadecimal input data to the printer.

Printer Status	BT Status	Charge silk-screen		Error silk-screen		Buzzer	Marks
		BT blue light	Power green light	Error red light	Charge green light		
On	Initialization failure	Blink	on			Tweeting 1 time	
Stand by	Disconnected		on				
	Connected	on					
Charging	Disconnected		on		on	Tweeting 1 time	Green light off after full charged
	Connected	on					
Cover open	Disconnected		on	Blink Slowly		Tweeting 1 time in every 2 seconds	
	Connected	on					
Paper out	Disconnected		on	on		Tweeting 3 time in every 2 seconds	
	Connected	on					
Low voltage	Disconnected		on		Blink	Tweeting 3 times in every half seconds	Stop tweeting
	Connected	on					
High Temperature	Disconnected		on	Blink fast			
	Connected	on					
Revise		Blink	on	Blink	Blink		blink alternately
F.W upgrade		on	on	on	on		Keep charging connected
Sleep mode			Blink Slowly				BT connected or paper out states can't enter sleep mode
Power off					Charging green light on	Tweeting 2 time2	Green light off after full charged