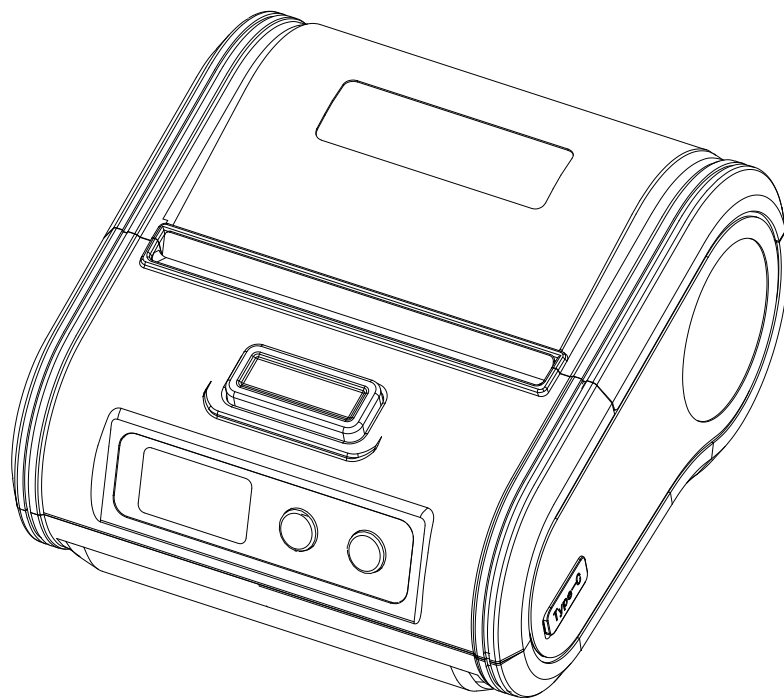


## MOBILE THERMAL LABEL PRINTER

# 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 the 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 the printer is printing or just when printing finished, don't touch the printer 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 kept away from high temperature environment and point-blank sunshine.

### 4. Battery Safety Precautions

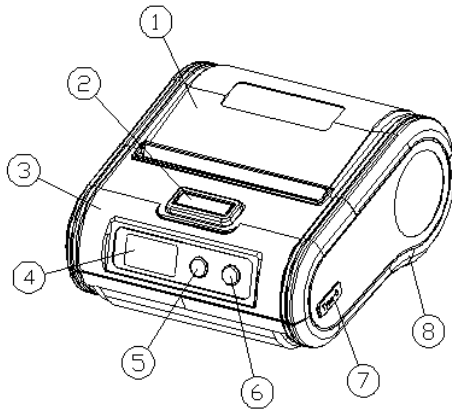
- 1) Be sure to carefully read the user manual before using this product.
- 2) Ignore the following instructions may cause battery overheating, burning, explosion, damages the performance and reduce the product life.
  - ① Do not allow water, sea water from entering or leaking into the battery inside. 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.

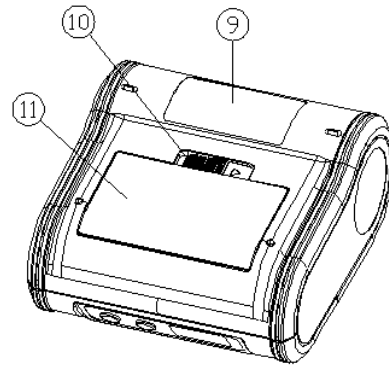
- ③ When charging, use a specified charger. Other conditions (high temperature, high pressure/high current, using the modified battery charger, etc.) excluded here may result in over-charging the battery and abnormal current or voltage, cause abnormal chemical reaction, and may cause the battery overheating, 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



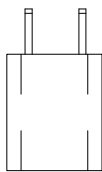
- 1. Paper warehouse cover
- 3. Upper cover
- 5. Power button
- 7. Type C USB port
- 9. Nameplate
- 11. Battery



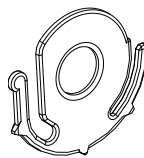
- 2. Top cover open button
- 4. Display screen
- 6. Paper feed button
- 8. Bottom cover
- 10. Battery cover switch

### 1.2 Printer Accessories

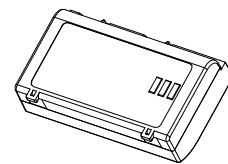
Adapter plug



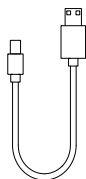
Plastic cardstock



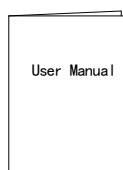
2000mAh battery



Type C 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)       | 80mm/s                                                                                                                            |
| Printing                 | Width                      | 30~80mm                                                                                                                           |
|                          | Valid printing width       | 30~72mm                                                                                                                           |
|                          | Paper roller diameter(max) | ≤50mm                                                                                                                             |
|                          | Loading                    | Easy loading mechanism                                                                                                            |
| Interface                |                            | Bluetooth and USB                                                                                                                 |
| Command sets             |                            | Compatible with ESC/CPCL/TSPL                                                                                                     |
| 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/gap / rubber roll/ overheated                                                                              |
| Paper                    | Cutting                    | Manual                                                                                                                            |
| Charging                 | Charger                    | 5V/1A adapter                                                                                                                     |
|                          | Battery                    | 2000mAh/7.4V rechargeable Li-ion battery. (6-8h can be full charged)                                                              |
| Physical characteristics | Working condition          | -10°C~50°C, 20%~85%RH                                                                                                             |
|                          | Storage condition          | -20°C~70°C, 5%~95%RH                                                                                                              |
|                          | Dimension                  | W119.3*D122.6*H62(mm)                                                                                                             |
|                          | Weight (printer only)      | 420g (with battery)                                                                                                               |

## CHAPTER 3 OPERATION METHODS

### 3.1 Basic Functions

#### 3.1.1 how to install paper roll

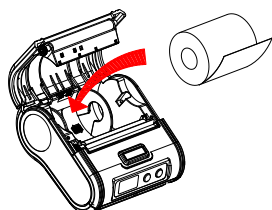


Figure (1)

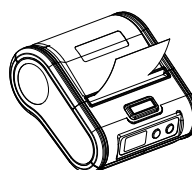


Figure (2)

Fix the plastic cardstock on the left side of the printer, and then slide the other plastic cardstock from right to left based on your paper length, check the figure (1). Pull a little of the paper out and then close the printer cover, check the figure (2).

- 1) If printer in receipt mode, just tear the excess paper and then go on printing.
- 2) If printer in label mode, just press the feed button to feed one sheet of label paper then go on printing.

#### 3.1.2 Power On

The printer is powered on by pressing the **【POWER】** button, and the printer display screen will be on.

#### 3.1.3 Power Off

The printer is power off after holding down the **【POWER】** button for about 2 seconds, the display screen will be shut down.

#### 3.1.4 Paper Feeding (Manual paper feeding)

Users could use **【FEED】** button to feed paper manually when printer on normal working status.

#### 3.1.5 Battery Charging

Battery of the printer will be drained after used, please be ready to charge when the printer battery icon is empty . When the printer is connected to the power supply, the buzzer sounded, and the charging icon appears in the upper right corner of the screen .

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

## 3.2 Printer Connecting and Printing

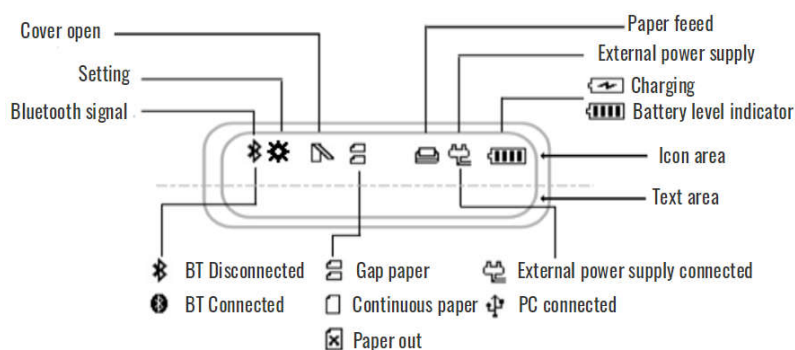
### 3.2.1 Wireless Bluetooth printing

- ① Under Android terminal: Turn on the Bluetooth setting in the terminal to search for the right printer Bluetooth name, and pair it via input the password “0000”. Then open the App in the terminal to find the right printer paired just now 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 printer, and input the password “0000” to connect and do the print (Support iphone4S, Ipad2 version and above).

### 3.2.2 Wired USB cable connecting printing

- ③ Windows terminal, using Type C USB cable to connect to the printer and PC, install driver and printer software in PC, choose the right printer to print. Download the driver and related software from <http://www.asia-printer.com/software>

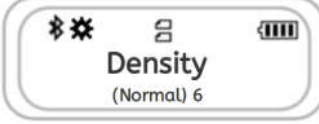
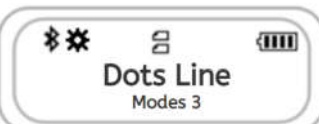
## 3.3 Screen Display



|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Bluetooth Status               | Bluetooth paired and connected  , unpaired and disconnected  .                                                                                                                                                                                                                                                                                                                                                                                   |
| Setting Mode                   | Short press <b>【POWER】</b> button enter to the setting mode,  will be showed on the screen left upper side, then every short press to the <b>【POWER】</b> button can toggle an option, short press the <b>【FEED】</b> button to confirm the choice. To last about 5s without any other actions the printer will beep and new parameters take effect.                                                                                                                                                                                    |
| Uncover Status                 | Paper warehouse uncover or even not tightly closed, the icon is  , “cover open” is displayed in the screen, buzzer beep thrice and the icon keep flashing till the cover is closed.                                                                                                                                                                                                                                                                                                                                                 |
| Paper Out Status               | Paper out or paper installed in wrong way, the icon is  , “no paper” is displayed in the screen, buzzer beep thrice in every 2 seconds and the icon keep flashing till paper is well installed.                                                                                                                                                                                                                                                                                                                                      |
| External Power /USB Connection | When external power supply is plugged in, the icon is  , when the external power supply is removed or disconnected,  disappear.<br>When Type C USB cable is connected to the printer and computer, the icon is  , when the cable is removed or disconnected,  disappear. |
| Power display                  | Power on status,  indicates the remaining power, four cells means full charged.<br>Charging status,  indicates under charging, when if the icon disappear means charging completed.<br>Battery is low,  icon shows blank, please charge in time.                                                                                                                |

### 3.4 Parameter Configuration

In the startup state, press **【POWER】** button to switch settings of the printer. After entering the setting options interface, every short press to the **【POWER】** button can toggle an option, short press the **【FEED】** button to confirm the choice. To last about 5s without any other actions the printer will beep and new parameters take effect.

|                |                                                                                                                                                                                                                                                              |                                                                                       |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| FW Version     | Short press <b>【POWER】</b> button to check the printer currently firmware version.                                                                                                                                                                           |    |
| BT Addr        | Short press <b>【POWER】</b> button to check the printer Bluetooth address                                                                                                                                                                                     |    |
| Selftest       | Short press <b>【POWER】</b> button to check the printer Selftest display column, press <b>【FEED】</b> button to print selftest page.                                                                                                                           |    |
| Density        | Short press <b>【POWER】</b> button to check the printer Density display column, press <b>【FEED】</b> button to choose the density from 1~15.                                                                                                                   |   |
| Protocol       | Short press <b>【POWER】</b> button to check the printer Protocol display column, press <b>【FEED】</b> button to choose the protocol from /ESC/CPCL/TSPL.                                                                                                       |  |
| Dots Line      | Short press <b>【POWER】</b> button to check the printer Dots Line display column, then press <b>【FEED】</b> button to choose the mode from 1~3. (Using this mode to avoid if paper sticking while full line printing, change it to dotted line from mode 1~3). |  |
| Print Template | Short press <b>【POWER】</b> button to check the Print Template display column, then short press <b>【FEED】</b> button to enter to the secondary subcategories and press <b>【POWER】</b> button to go through the options.                                       |  |
| Advance        | Short press <b>【POWER】</b> button to check the printer Advanced Setup display column, then short press <b>【FEED】</b> button to enter to the secondary subcategories and press <b>【POWER】</b> button to go through the options.                               |  |
| Exit Menu      | Short press <b>【POWER】</b> button to check the printer Exit Menu column, press <b>【FEED】</b> button to exit the setting options screen.                                                                                                                      |  |



## FCC Warning

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE 1: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.