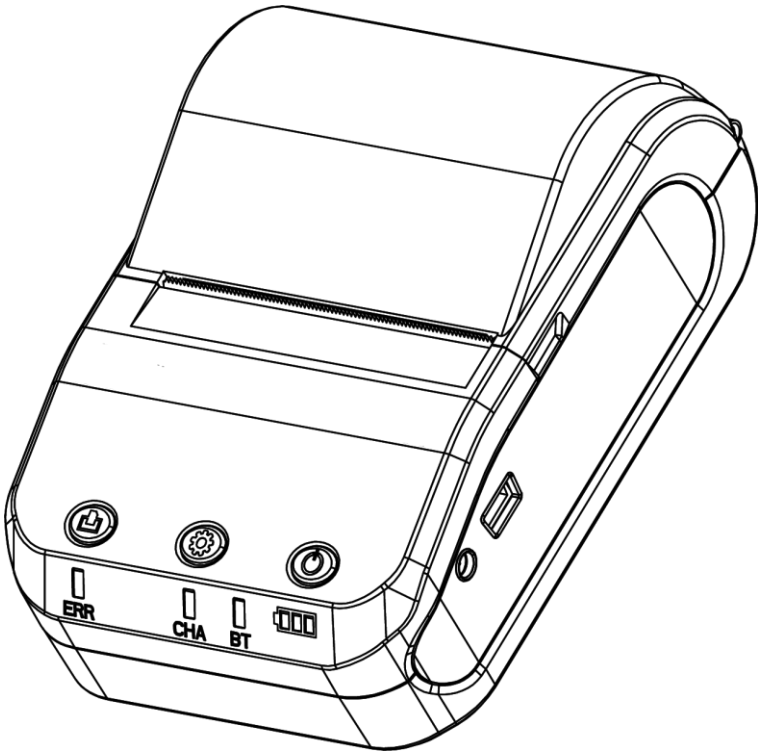


# Portable Thermal Printer

## Quick Guide



**INFORM:**

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.

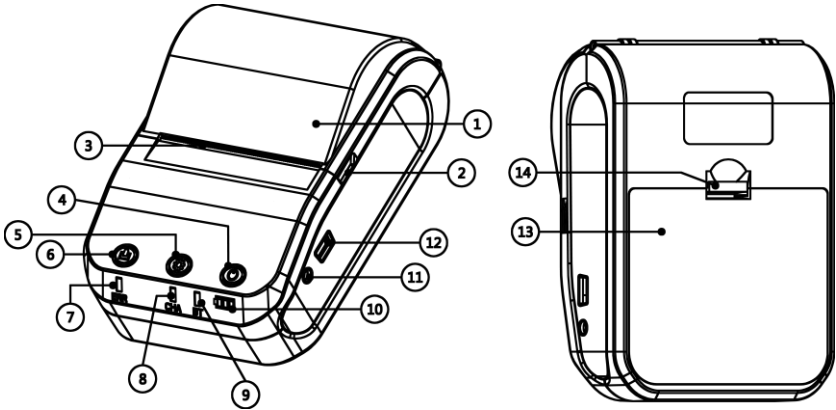
Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate 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/television technician for help.
- Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment
- This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

**Statement**

This product is Class B product, so in living environment, the product may cause radio interference. In this case, the user may need to take practical measures to interfere with their interference.

## Outer Appearance

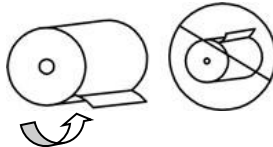
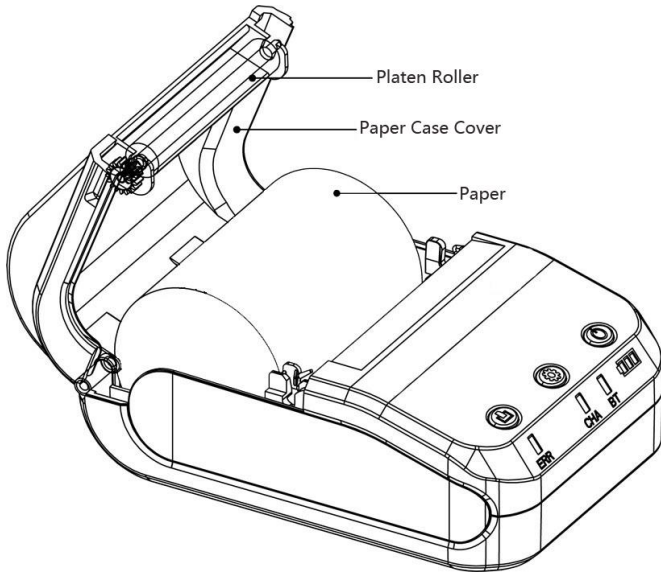


- |  |   |
|--|---|
| 1、 Paper Case Cover                        | 10、 Battery Indicator Light               |
| 2、 Open Cover Slip Point                   | 11、 DC-in Jack                            |
| 3、 Paper Slot Out                          | 12、 MiniI USB Interface<br>or Serial Port |
| 4、 <b>【POWER】</b> Power Button             | 13、 Battery Cover                         |
| 5、 <b>【MODE】</b> Mode Button               | 14、 Lock of Battery Cover                 |
| 6、 <b>【FEED】</b> Feed Button               |   |
| 7、 <b>【ERR】</b> Error Indicator            |   |
| 8、 <b>【CHA】</b> Battery Charging Indicator |   |
| 9、 <b>【BT】</b> Bluetooth Indicator         |   |

**For the first time to use the printer, please remove the battery insulation film !**

**Install the print paper**

1. Hold both sides of the paper case cover, and open it.
2. Pay attention to use paper that effective printing side is outside in the printing paper face when you enchase the new paper roll.
3. Pull out a part of paper and put them in the middle of the paper out orifice.
4. Shut down paper case cover and cut off the redundant Paper.



## 1 The Performance Parameters

Print method: Line Thermal Printing;

Available paper width: 58mm;

Effective print width: 48mm;

Resolution: 8 dots/mm (203dpi) ;

Printing speed: Max 80mm/S;

Paper thickness: 60~80 $\mu$ m;

Can print content: All GB18030 Chinese characters, all BIG5 Traditional Chinese characters, ASCII characters, custom character.

### 1.2 Physical parameter

Appearance size: 108(L) $\times$ 76(W) $\times$ 46.6(H)mm;

Weight: 120g (Without paper and battery) ;

Paper roll diameter:  $\leq$ 40mm;

Interface type: USB or Serial Port , Bluetooth;

### 1.3 Environmental parameter

Working Temperature: 0 $^{\circ}$ C ~ 50 $^{\circ}$ C ;

Working Humidity: 10% ~ 80%;

Storage Temperature: -10 $^{\circ}$ C ~ 60 $^{\circ}$ C ;

Storage Humidity: 10% ~ 95% 。

Paper Detection: When the paper is exhausted, the printer [ERROR] indicator light. If you are printing, the internal buzzer also issued a ringing and stop printing.

## **2 Basic function use**

### **2.1 Boot**

Press and hold the power button about 1 second, the printer power indicator will light, and you will hear "Low-High" tone. Then loosen the power button, printer start working and battery indicator light shows the battery power.

### **2.2 Shutdown**

When printer is working press and hold the power button about 1 second then you can see the power indicator turn off and hear "High-Low" tone. Then loosen the power button, Printer shutdown.

### **2.3 Paper Feed (Manual Feed)**

In normal working condition, press [FEED KEY], and printer start feed paper. Loosen [FEED KEY] stop to feed paper. In black standard paper mode, press [FEED KEY], and printer start feed paper, while through the black mark the paper will stop feed. If it's not black standard, then feed 30cm paper and automatic stop paper.

### **2.4 Self Test**

Shutdown state, press and hold down [FEED KEY] first, then press the [POWER KEY] until power on, and you can hear "Low-High" tone. Then release the [POWER KEY] and [FEED KEY]. There will print the current setting state of the printer.

### **2.5 Sixteen binary printing**

See "S85 specification" for more details.

### **2.6 Printer parameter settings**

Enter the parameter settings: shutdown state, to press the mode button, and then the press the power key, after hearing the " High-Low" tone, first loosen power key and then loosen mode key, printer go into the parameters setting mode. And will print out the first set of parameters and the current set value.

Withdraw from the set of parameters: to press and hold the mode key first, then press and hold the feed key ,then loosen mode key first before loosen the key. It can save the settings of the parameters value and exit the parameter setting mode, then enter the normal mode. If directly hold the power button turn the printer off and the setting of parameters value will does not save.

Please refer to the appendix part of the S85 specification.

### **3 Bluetooth connection**

The information terminals with Bluetooth interface like notebook computers, can be driven S85 printing by Bluetooth interface.

S85 portable printer needs to be paired with a Bluetooth master device before working, and the pairing is initiated by the master device, the process is as follows:

1. The printer must be in the boot state;
2. The host device search for an external Bluetooth device;
3. If there are more than one external Bluetooth devices, then select the BT Printer S85;
4. Enter the password "1234";
5. Completion of the pairing, [BT] light long light.

#### **NOTES:**

Once the printer's Bluetooth device is paired with the host Bluetooth device, it will no longer provide search and link services for other Bluetooth devices until it is disconnected from the host device.

#### **3.1 Bluetooth binding address**

Address binding: printer will automatic memory the master device address after settings for the first time paired, once the printer memory the address, connection can only be established between it and its memory devices, and cannot be other equipment query and

match. So in the address binding, if you want to establish a connection with other devices, you must remove memory address or set to not bind address mode. Reset address binding mode (set or cancel) printer will automatically clear the memory address.

When the address is not bound: the printer can be queried and matched by the other host device.

So, if you want the printer to connect with the specified host device and cannot be connected to the other host device, the best binding address is set. See the S85 setting tool software for more about the method of setting binding address.

### 4 Indicating lamp

#### **【BT】 Indicator light:**

Light on: Printer is on, and Bluetooth state is connection.

Flashing: Printer is on, and Bluetooth is receiving data.

#### **【CHARGE】 Indicator light:**

Green light: The battery charge is completed.

Red light: the battery is charging.

Green, Red light at the same time: Charge is wrong, please check whether the battery is in good contact or whether the battery temperature is normal.

#### **【ERROR】 Indicator light:**

Light on: Printer is out of paper.

Flashing: Printer error. Different from the wrong type, the flicker is different. More detailed is in the S85 specification.

#### **【BATTERY】 Indicator light:**

Three step lights: Corresponding to high, medium and low power.

Flashing: Low power.