Portable Thermal Printer

WH-M07

User Manual

(V1.01)



Shenzhen Brightek Printer Co., Ltd.

Content

CHAPTER 1 TECHNICAL PARAMETERS 1

CHAPTER 2 OPERATION 2

2.1 【Power On】 2
2.2 【Power Off】 2
2.3 【Paper Feed】 2
2.4 【Print Self-Test Page】 2
2.5 【Status Indicator】 2
2.6 【Printer Settings】 3

CHAPTER 3 INTERFACE 4

4.1 【USB】 4
4.2 【Serial】 4
4.3 【Bluetooth】 4

CHAPTER 4 DIMENSIONS AND PARTS 5

Chapter 1 Technical Parameters

Model: WH-M07

Items		Description
Print Head	Print Method	Direct Thermal Line Printing
	Print Speed	50mm/sec (Max.)
	Print Width	48mm
	Print Density	384 dots / line
	Resolution	203 DPI
Print Content	Character Library	Chinese (GB18030), English (ASCII), Various language referring to Code Page
	Barcode	1D Barcode, 2D QR Code
	Sensor	Reflective paper sensor
	Instruction Set	Support ESC/POS commands
	Type of Cutter	Manual tearing
Paper	Paper type	Thermal Paper Roll, Sticky Label Paper
	Width	57mm ± 0.5mm
	Diameter	40mm (Max.)
	Thickness	0.06~0.12 mm
Power	Battery charger	Input: AC100~240V, Output: DC8.4V, 1A or DC5V, 1A
	Battery	Output: DC7.4V, (6.8V~8.4V), 1200mAh
Communication	Interface	USB, Serial, Bluetooth, WIFI
Size	Dimensions	124mm X 80mm X 47mm
Condition	Temperature	Printer: 0~50℃
	Humidity	Printer: 10~80% RH (no condensing)

Chapter 2 Operation

2.1 【Power On】

Press and hold the [Power Button] for about 3 seconds to turn on the printer. If it is less than 3 seconds, the power of the printer will not response. When the printer is turned on successfully, you will hear a buzzer sound (only for model with buzzer). After turning on, the blue power indicator on the power button flashes (flashes twice every 3 seconds).

2.2 【Power Off】

When the printer is powered on, press the [Power Button] for 3 seconds and the printer will be turned off. The working status indicator will go out and a buzzer sound will be heard (only for model with buzzer). The printer will not response if pressing power button for less than 3 seconds.

2.3 【Paper Feed】

In the idle state, press the [Feed Button] to feed paper continuously, release the Feed button to stop feeding. If it is in label paper mode, short press the Feed button once to position to the next label paper.

2.4 【Print Self-Test Page】

In the Power OFF state, press and hold the Feed Button and then press the power button together for 3 seconds, the printer will print the self-test strip. After power on, the printer is in an idle state and ready to receive print data at any time. If label paper is loaded and perform the same self-test procedure, the printer can position the label paper by self-learning the values of “paper ready” and “label gap” (only for model with label mode).

2.5 【Status Indicator】

Standby state:
The blue power indicator light flashes twice within 3 seconds.

Out of Paper:
The red warning light turns on and off alternately for 0.5 seconds.

Print Head Overheating:
When the print head reaches a high temperature of 65 degrees, the blue status light on the Paper Feed button will alternately light up and off for 1 second.

Battery Charging:
Please use the power charger provided by the manufacturer. During the charging process, the red indicator light on the charger is always on. When the battery is fully charged, the red indicator light goes out and the blue indicator light is always on.

Under Voltage status:
When the battery power is lower than 6.8~7.0V, the blue status light on the Paper Feed button will flash once every 6 seconds to indicate under voltage. When the voltage is lower than about 6.5V, the printer will automatically shut down due to low voltage.

2.6 【Printer Settings】

Enter the setup menu:
Open the paper bin cover when the printer is turned off, so that the printer is in out-of-paper state. Press and hold the Paper Feed button and then the Power button to turn on the printer. When you hear a beep, you can release the Feed button, then load the paper and cover the paper bin. The printer will enter the relevant option setup menu function. In the setup menu, short press the Feed button to switch the setup item, long press the Feed button to enter the setup option and conduct setting.

Current menu:
The line of visible text closest to the paper outlet is considered the currently selected menu.

Move menu:
In the setup state, press the Paper Feed button once, the printer will feed the paper and change the current menu to the next item.

Return to the previous level:
After the menu moves to the last item, it will return to the previous menu when it continues to move.

Save settings:
When the setting item is confirmed, long press the Paper Feed button to confirm and save the setting parameters.

Chapter 3 Interface

3.1 【USB】

After installing the printer driver, you can add the printer to the user device. Generally, the PID (product code) of this printer is 0x5011, and the VID (vendor code) is 0x0416.

3.1 【Serial】

Some models of M07 have a Mini USB interface that supports serial communication, including RS232, TTL, etc. Please use the serial extension cable provided by the supplier.

3.2 【Bluetooth】

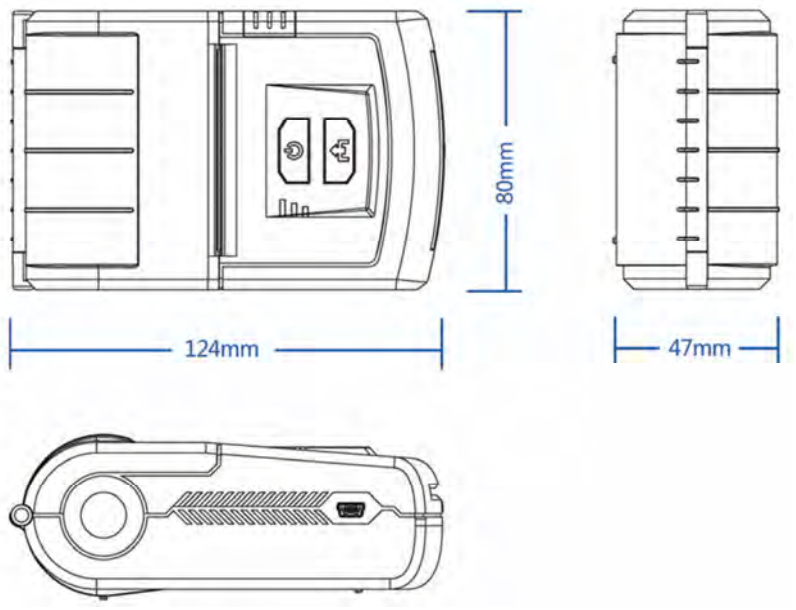
【Description】

1. The printer provides SPP (virtual Bluetooth serial port) service to other Bluetooth devices;
2. The printer receives print data sent via the SPP protocol;
3. The printer supports protocols of Bluetooth BLE4.0 and above.

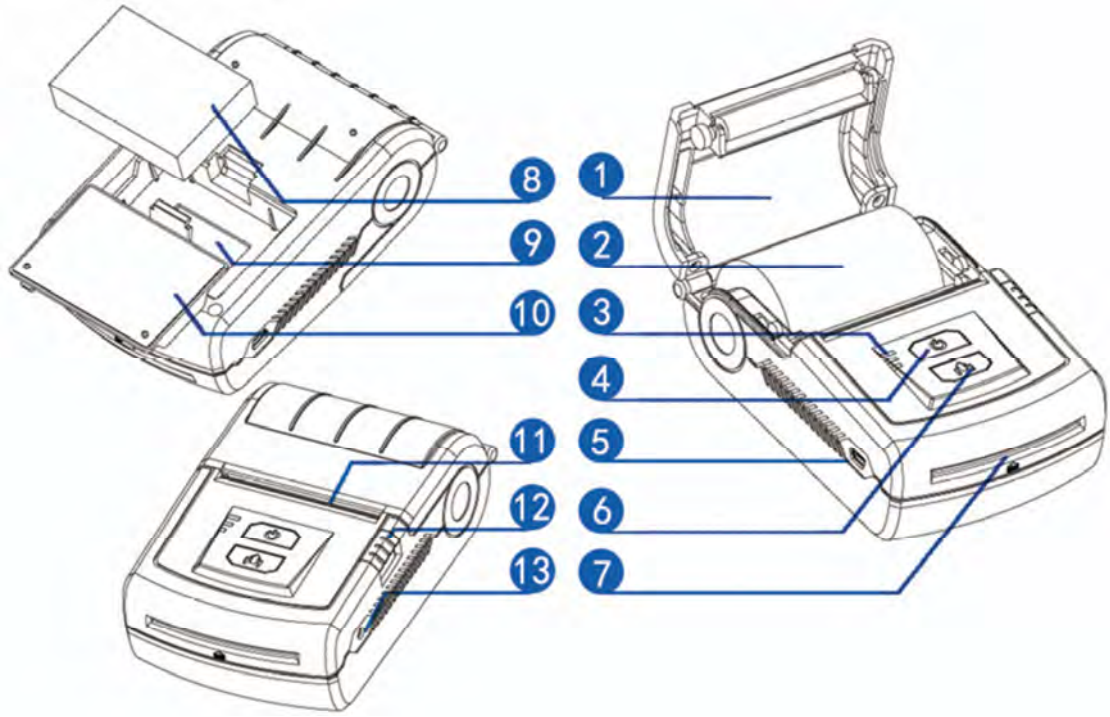
【Bluetooth Pairing】

1. Set up the function of searching for surrounding Bluetooth devices and search for the corresponding name, for example: Printer_**** or weihuang
2. Pair the device and enter the pairing password: 0000.

Chapter 4 Dimensions and Parts



Dimensions: 124mm X 80mm X 47mm



1. Paper Bin Cover
2. Paper Roll
3. Battery Indicator
4. Power Button
5. Interface Connector
6. LF Paper Feed Button
7. IC Card Slot (optional)
8. Battery
9. SIM Card Slot (optional)
10. Battery Case Cover
11. Paper Outlet & Sawtooth
12. Paper Bin Cover Lock
13. Power Connector