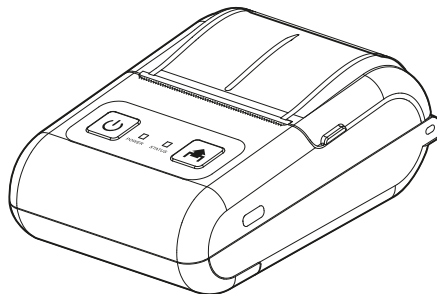

MOBILE PRINTER

RPP02D



Please read this Manual carefully before using the printer and keep it for future reference

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Preface


About This Manual

Thank you for choosing mobile printer.


This Manual can help you easily learn to use this product. Please read this Manual carefully before using the printer and keep it properly so that everyone who uses this product can read it.

Icons and Practices

For your convenience, this Manual uses the following symbols (icons) and practices:

 **WARNING** warns that improper use may result in property damage, serious injury or death.

 **ATTENTION** indicates that improper use may result in personal injury or property damage.

 **NOTE** indicates that the information listed allows you to use the product better or extend the service life of the product.

Related Manual Information

Various manuals provide detailed instructions for various technical problems.

 The illustrations and text used in this Manual may differ from the actual product.

Safety Instruction

Please follow the following precautions when using the printer:



ATTENTION

Do not disassemble the printer by yourself. Please read this Manual carefully before use.



WARNING

Please turn off the power immediately in case of failure. When you notice smoke or odor coming from the printer or power adapter, please unplug the power adapter and remove the battery immediately. Please be careful not to get burnt.



WARNING

Please do not use the printer near gas stations, fuel warehouses and other flammable materials.



WARNING

During charging, the printer and power adapter must be placed in a ventilated place with the ambient temperature of 0°C - 45°C, and be sure to use the power adapter provided by the Company. The use of unapproved power adapters may be hazardous and also violates our warranty policy.



ATTENTION

When the printer is printing, please do not open the cover of the paper bin; otherwise, unpredictable conditions may occur and the printer may even be damaged.



ATTENTION

After printing, the print head is still at a high temperature. Do not touch it to avoid burns.



ATTENTION

Please do not use dissolved matter (such as benzene thinner) to wipe the printer shell, and please keep the printer away from corrosive chemicals. You can only gently wipe the printer with a clean soft cloth.








ATTENTION

Please use our original or approved printing paper; otherwise, it may lead to poor printing quality or even damage to the printer mechanism.













WARNING

The print head is a hot part. Do not touch the print head and its surrounding parts during or just after printing.







-  **ATTENTION** If the printer is to be stored for a long time, be sure to remove the battery from the printer and store it separately; otherwise, the battery may fail or even have leakage, which may damage the printer.
-  **ATTENTION** Make sure the printer is turned off before replacing the battery. If a power adapter is used, make sure the power is cut off before replacing the battery.
-  **ATTENTION** The printer can work stably at an ambient temperature of 0°C - 40°C. Too high or too low ambient temperature will lead to low printing quality.
-  **ATTENTION** The time that the printed text can be kept on the thermal printing paper is related to the paper quality. To print documents that need to be kept for a long time, please use long-lasting thermal printing paper.
-  **ATTENTION** The paper knife has a sharp edge, please be careful not to touch it to prevent cuts.

Please follow the following precautions when using the battery:

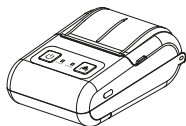
-  **ATTENTION** Please carefully read this Manual and symbols on the battery surface before use.
-  **WARNING** Please charge the battery in a cool and ventilated room. The high ambient temperature during charging will cause the battery to heat up, emit smoke, burn, deform, or even explode.
-  **WARNING** There are special protective circuits and devices inside the battery. Please do not disassemble the battery by yourself, or it will cause a short circuit or electrolyte leakage.
-  **WARNING** There is a risk of blindness if the electrolyte gets into the eye. In case of eye contact, rinse immediately with water and seek doctor's advice immediately.

-  **WARNING** Do not squeeze, mechanically vibrate or shake the battery, and short circuit of the battery is strictly forbidden.
-  **WARNING** Please do not put the battery into water; otherwise, it may result in internal short circuit, which may cause the battery to heat up, emit smoke, deform, damage or even explode.
-  **ATTENTION** Do not expose the battery to direct sunlight or put it in a place with excessive smoke and dust. Do not use the battery in a high humidity environment, such as a bathroom.
-  **ATTENTION** Please replace the battery if it cannot meet the performance requirements.
-  **ATTENTION** Keep the battery out of reach of children to prevent danger.
-  **ATTENTION** If you notice any discoloration or deformation of the battery, stop using it immediately.

Please carefully read this Manual and symbols on the surface of power adapter before use.

-  **ATTENTION** Do not disassemble or modify the power adapter. Do not use the power adapter if the power line is damaged; otherwise, it may cause electric shock, fire and damage to the power adapter.
-  **WARNING** Do not touch the power adapter with wet hands. If the power adapter comes into contact with water or other liquids, cut off the power supply immediately.
-  **WARNING** Please avoid short circuit, vibration or shaking of the power adapter.
-  **WARNING** Do not use the power adapter in a high humidity environment, such as a bathroom. The equipment is not waterproof and must not be exposed to rain or moisture.
-  **WARNING** Hold the power adapter body when unplugging. Simply pulling the power line will damage the wires.
-  **ATTENTION** Keep the power adapter out of reach of children to prevent danger.

I. Standard Configuration



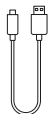
Printer



Power adapter



Quick installation Guide



USB cable



Paper roll



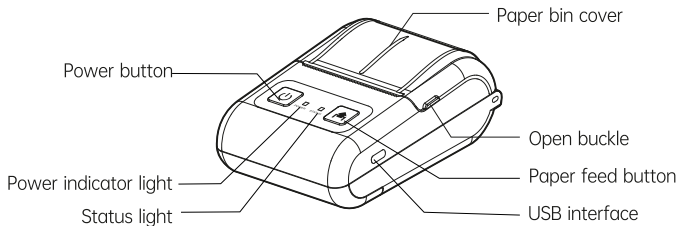
Battery (placed in printer)

😊 The pictures are for reference only, please subject to practicality

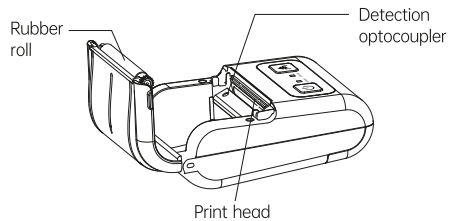
II. Appearance and Components



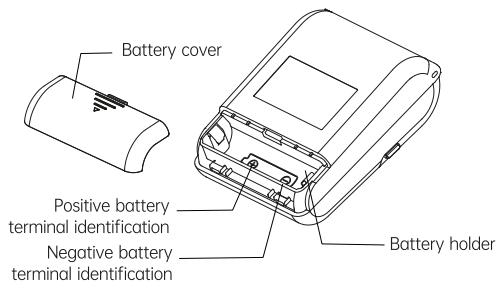
□ Front View



□ Inside View



□ Rear View




III. Preparation Before Use

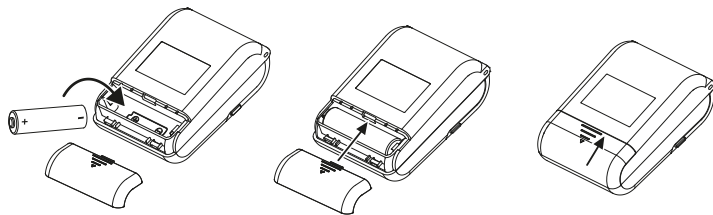


This chapter describes the steps to prepare the printer, including battery installation, battery charging, and printing paper loading.

3.1 Battery installation (Battery already installed in printer)

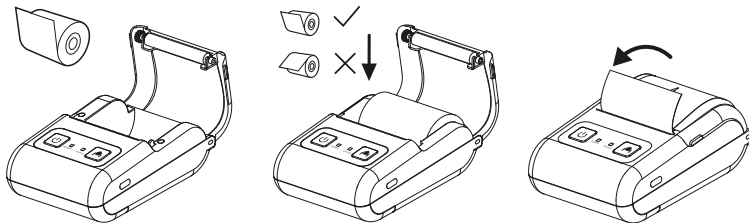
- (1) Put the battery into the battery compartment;
- (2) Fasten the battery cover.

 **Note:** When installing the battery, please distinguish between the positive and negative terminals; otherwise, the battery will not be powered on or turned on. Replacing the battery with the wrong model may cause explosion. Dispose of the used battery according to the instructions.



3.2 Printing paper roll installation

- (1) Remove the foil on the paper roll and open the cover of the paper bin;
- (2) Put the paper roll into the paper bin;
- (3) Pull out a section of paper along the outlet and cover the paper bin cover.



IV. Printer function introduction



4.1 Button name, Indicator, Buzzer function

(1) Power button

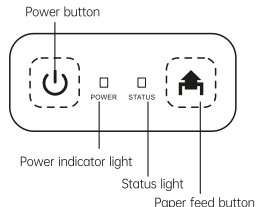
- POWER on:** in the shutdown state, long press the power button for 1.2S, the buzzer buzzes for a short time, the STATUS green light is on, and the power blue light is on, that is, power on;
- Shutdown:** Press and hold the power button for 2S when the power is on, and the buzzer will sound for a long time, and all lights will turn off.

(2) Feed button

Press this button to feed paper, if you continue to press this button will continue to feed paper.

(3) Power indicator

- When the startup is ready, the STATUS green light is steady on, and the POWER blue light is on;
- When charging on, the POWER blue light is steady on, and the STATUS light flashes alternately every 0.5s in the order of red, yellow and green;
- When the USB is plugged in to charge, it will be forced to power on;
- When fully charged, the STATUS is green;
- When the battery capacity is greater than 40%, the STATUS is steady green; When the battery capacity is greater than 15%, the STATUS indicator is steady yellow. When the battery capacity is greater than 0%, the STATUS is steady red.



(4) Status indicator

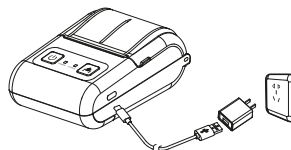
- a. When the paper is short, the POWER light is often blue, and the STATUS red light blinks 0.15S/ time, A total of three times;
- b. During overtemperature protection, the POWER indicator is always blue and the STATUS red light blinks 0.15S/ time for 5 times. The buzzer rings for 20 times by pressing 0.5S/ time for 10S.
- c. When the Bluetooth is connected, the STATUS green light is on. When the printer power is lower than 15%, it will turn to a red light. When the Bluetooth is connected, the printer will beep once, and when the connection is disconnected, it will beep twice.
- d. When the customer sets periodic rest (not set by default), the idle time must be longer than or equal to 30S, and the shutdown time must be longer than or equal to 60S). After the idle time is over, the STATUS green light will blink for 1S/ times until the shutdown rest.
- d. Indicator status priority: Overtemperature protection > Out of paper condition Bluetooth connection > Charging status > Idle state.

(5) TYPE-C USB port

- a. USB rechargeable, charging input DC 5V/1A.

(6) Buzzer

- a. Turn on a short sound;
- b. Turn off a long sound;
- c. Under overtemperature protection, the buzzer rings once every 0.5S for 10S, a total of 20 times;
- d. Bluetooth connection, short sound; Bluetooth disconnected. Beep twice.



4.2 Bluetooth Communication

The mobile printer can provide dual-mode Bluetooth 5.2 (SPP + BLE), which can communicate with Android system and IOS system terminals. Its effective communication distance is no more than 10m. (The default Bluetooth pairing password is 1234)

4.3 Self-test

When the printer is off and with paper, press and hold the feed button first, and then press and hold the power button. After 2S, the printer starts to print out the self-test page. Just let go, the printer will print the self-test page and start up.

4.4 Switch printer font size

When the printer is off and out of paper, press and hold the feed button first, and then press and hold the power button. 3S later, the printer will make a short sound, and the switching of FONT-A is successful. After 4S, the printer will ring twice for a short time, and the switchover between FONT-B is successful. After 5S, the printer will ring three times for a short time, and the switchover between FONT-C is successful. After 6S, the printer will make four short chirps, then the switching of FONT-D is successful;

4.5 Enter the DUMP/ DEBUG/ hexadecimal/ debug mode

When the cover is off, press and hold the paper key first, then press and hold the power key to start, and release the power key. Hear beep, beep, beep, until a long sound, then successfully enter the mode, at this time the printer automatically power on, restart the printer and exit the mode.

4.6 Restore factory Settings

When the printer is off and out of paper, press and hold down the paper key first, and then press and hold down the power key. After the power key is released for 10S, the printer will ring twice and then restore the factory setting. At this time, the printer has been initialized, and after restarting, the printer can work normally (FONT will be restored to font-A).

V. Repair and Maintenance

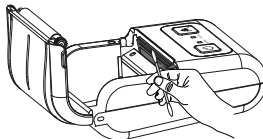


5.1 Daily Maintenance of Printer

- (1) Cleaning of outside and paper bin: Wipe the surface of the printer and the inside of the paper bin gently with a wrung-out wet cloth. Make sure that the wet cloth is completely wrung out.
- (2) Cleaning of printer mechanism: The printer mechanism must be cleaned regularly, especially when the print quality declines. The cleaning method is as follows: Use absorbent cotton moistened with anhydrous alcohol to gently wipe the stains or the residue glue of label paper on the surface of the printer mechanism until it is clean.
- (3) If water is found inside the printer, Turn it off immediately, remove the battery, and dry the printer by airing.
- (4) If the printer will not be used for a long time, remove the battery and store it separately.

5.2 Use and Storage of Printing Paper

- (1) Please keep newly purchased printing paper in intact package and prevent it from direct sunlight and high temperature.
- (2) Please keep printed documents in a dark place at room temperature (about 20°C), so as to effectively extend the storage life of the documents.
- (3) If the documents need to be kept for a long time, please use long-lasting thermal printing paper.



VI. Troubleshooting



Fault Phenomenon	Cause	Solution
Paper is fed but no data is printed.	Printing paper is loaded in the wrong direction.	Please load the printing paper in the other direction.
Blurry printing	The printer is not cleaned for a long time and the printer mechanism is contaminated by dirt.	Clean the printer mechanism.
	Poor color rendering of printing paper	Please set higher blackness or use paper with better color rendering
Printed documents are blurred in months or even weeks	Poor quality of printing paper	Please use long-lasting thermal printing paper
	Documents are kept at high ambient temperature	Please keep the documents at room temperature (about 20°C)

VII. Appendix



7.1 Printer Parameters

Printing Parameters	
Printing method	Thermal line printing
Print width	57.5±0.5mm
Paper roll diameter	48mm
Print speed	60mm/s MAX
Resolution	203dpi
Thermal head lifespan	≥50km (label paper)
Command set	ESC/POS
Support paper types	Thermal continuous paper, label paper, black label paper
Print content	UPC-A, EAN-13, EAN-8, CODE39, ITF, CODEBAR, CODE128 QR code: QR CODE

Printing Parameters	
Input power supply	Output DC 5V $\overline{\text{---}}$ 1A
Battery specification	3.7V 2500mAH
Charging time	3 hours
Wireless communication	Bluetooth 5.2- Dual mode (compatible with Android and iOS)
Working environment	Temperature: 0°C~40°C Humidity: 5%~95%(No condensation)
Storage environment	Temperature: -20°C~60°C Humidity: 5%~90%(No condensation)

☺ **Note:** This product information parameters are subject to change without prior notice, subject to the actual!

7.2 Battery Recycling

This product uses a rechargeable lithium battery. To protect the environment, please do not dispose of used batteries at will. The supplier will provide you with battery recycling service.





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