# RONGTA

# RPP200 MOBILE PRINTER

# Contents

# Preface

## About This Manual

Thank you for purchasing the mobile printer produced
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.

⚠ 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.

## 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.
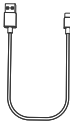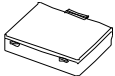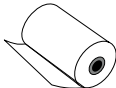
⚠ **WARNING**    Do not squeeze, mechanically vibrate or shake the battery, and short circuit of the battery is strictly forbidden.

⚠ **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 ⟫⟫

| Standard  Accessories | | |
|---|---|---|
|  |  |  |
| Printer | Power charger | Type-C USB cable |
| **Standard  Accessories** | | |
|  |  |  |
| Battery | Thermal paper | Belt buckle |

☺ The pictures are for reference only. If any item is damaged or missing, please contact the supplier.

❏ **Front View**

STATUS indicator

BATT indicator

ERROR indicator

Cover opening button

Front cover

POWER button

Main body

FEED button

❏ **Inside View**

Rubber roll

Rubber roll gear

Thermal print head
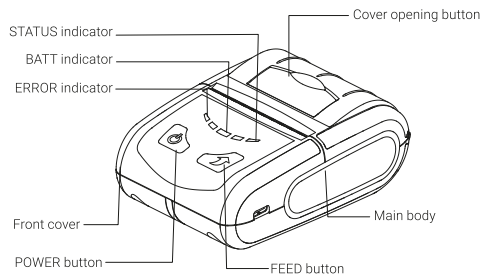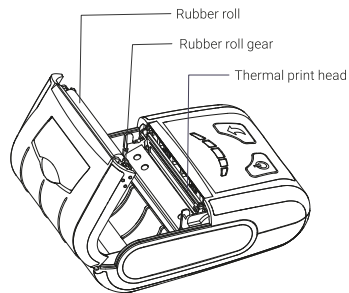
❏ **Rear View**
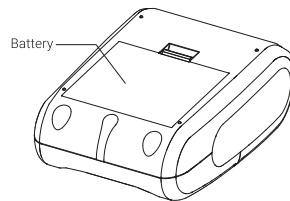
Battery

## III. Preparation Before Use                                     »»»

### Printer simple operation steps

Connect USB cable  »  Install paper roll  »  Start up  »  Print self-test page  »  Install driver  »  Tool setup  »
APP print or drive print

### 3.1 Battery Installation

The battery is installed in the printer
before the product leaves factory.

(1) Remove the protective film of battery contacts.
(2) Install the battery as shown in the figure above.
(3) Fasten the battery.
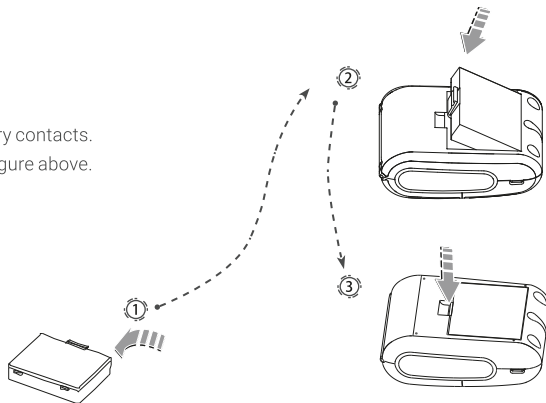
## 3.2 Battery Charging

**Standby charging**

Insert the mains plug of the charger into a 220V, 50HZ power outlet, plug the USB cable into the USB interface of the printer, or insert the charging plug into a charging outlet, and the printer will start charging. During the charging process, if the printer is turned on, the FEED indicator (blue) will flash until the battery is fully charged and the charging indicator is always on.

☺ **NOTE**

You can print while charging.
The equipment supports fast charge function
and can continue to print after short-time charging.



⚠ **ATTENTION**

Do not remove the battery while charging.
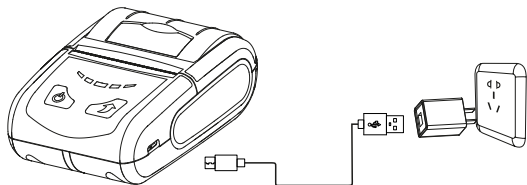
## 3.3 Printing Paper Loading

(1) Remove the seal of the paper roll.

(2) Open the paper bin cover.

(3) Put the paper roll into the paper bin as shown in the figure.

(4) Put the paper roll in place and close the cover.
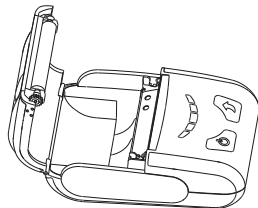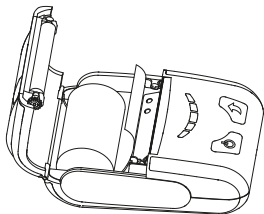
Correct direction

Wrong direction
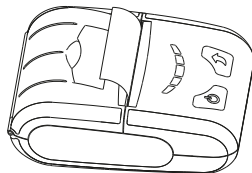
☺ NOTE (1) Paper specification used by the printer: Paper width: 57.5±0.5mm, paper roll diameter: 40mm.

(2) Pay attention to the direction of paper roll. If it is placed in the wrong direction,
   it will lead to blank printing.

Function description of buttons

### 4.1 Power On

During power-off state, press and hold the [POWER] button for 2 seconds to turn on the printer. At this time, the POWER indicator (red) is always on.

### 4.2 Power Off

During power-on state, press and hold the [POWER] button for 2 seconds to turn off the printer and all indicators will be off.
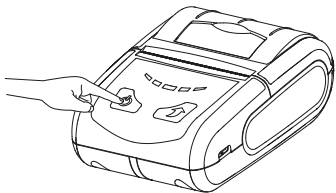


### 4.3 Self-test

After getting the printer, the user can perform self-test on the printer at any time to check the current settings and status of the printer.

**The self-test method is as follows:** Turn off the printer (if the printer is on), press and hold the [FEED] button, and then press the [POWER] button to turn on the printer. At this time, the printer will print the self-test page, including current state, settings and printing sample.

### 4.4 Paper Feeding (Manual Feeding)

Under normal working state of the printer, press [FEED] button and the printer will start feeding paper.

## 4.5 Indicator Description

The printer has a STATUS indicator and an ERROR indicator to indicate the printer's status. The STATUS indicator indicates the current status of the printer, and the ERROR indicator indicates exceptions of the printer.

The BATT indicator is used to indicate the current battery level.

| STATUS Indicator (Green) | BATT Indicator Three Indicators (Blue) | ERROR Indicator (Red) | Printer Status |
|---|---|---|---|
| On | Three indicators flash in turn from left to right | Off | Charging |
| On | Off | On | Low battery |
| On | On (three indicators) | Off | End of charging |
| On | On (depending on battery level) | Off | Normal power-on state |
| On | On (depending on battery level) | On | Exception |
| Off | Off | Off | Power off |



STATUS indicator

BATT indicator

ERROR indicator
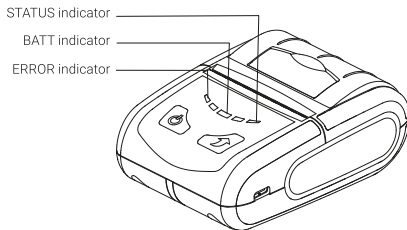
## V. Communication ⟫⟫

### 5.1 USB Communication

The priner provides TYPE C port, which is used to connect the printer to a PC as shown in the figure to charge the printer, set parameters, and transmit data, etc.
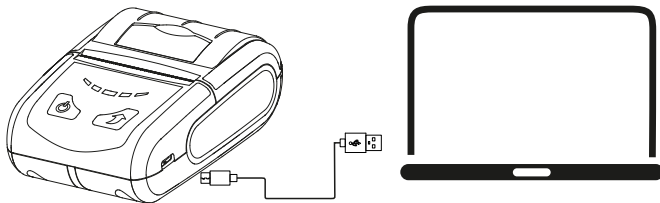
## 5.2 WiFi Communication (Alternative)

The mobile printer can provide WiFi communication, and support STA mode and TPIK/AES encryption. Its effective communication distance is no more than 20m.



WiFi information can be changed through the setting tool. For details, please refer to the "Instruction Manual for Setting Tool".

## 5.3 Bluetooth Communication (Alternative)

The mobile printer can provide dual-mode Bluetooth 4.0 (SPP + BLE), which can communicate with Android system and IOS system terminals. Its effective communication distance is no more than 10m.
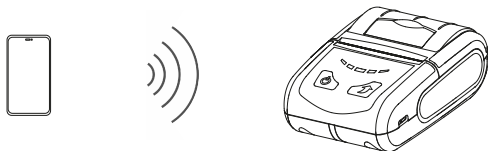


The default Bluetooth pairing password is 0000 (see the self-check page), which can be set using the Settings tool.
Please refer to the Setup Tool Instruction Manual for details.

## VI. Repair and Maintenance ———————————————— >>>

### 6.1 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 of 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.
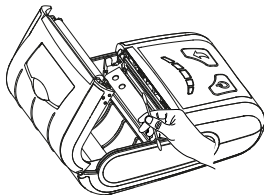


### 6.2 Use and Storage of Printing Paper

(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.

## VII. 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) |

⚠Note: If the fault cannot be removed, please contact the local after-sales network or call the customer service hotline in time.

# VIII. Appendix ————————————————————— »»»

## 8.1 Printer Parameters

| Printing Parameters | |
|---|---|
| Printing method | Thermal line printing |
| Print width | 48mm |
| Paper roll diameter | ≤40mm |
| Paper shortage detection | Supported |
| Resolution | 8 dots/mm (203dpi) |
| Built-in font | GB18030 Simplified Chinese (standard) |
| Service life of printer mechanism | 50km (Thermal paper) |
| Power Adapter | DC 5V/2A |
| Print speed | 80mm/s (MAX) |
| Command set | Compatible with ESC/POS commands (see programming manual for details) |

| Printing Parameters | |
| --- | --- |
| Printing density | 384 dots/row |
| Paper thickness | 0.06~0.08mm |
| Battery specification | 7.4V 1600mAh rechargeable lithium ion battery |
| Charging time | 3 hours |
| Working environment | Temperature: 0°C~45°C, humidity: 20%~90% |
| Storage environment | Temperature: -10°C~60°C, humidity: 10%~90% (except paper roll) |
| Size of receive buffer | 16KBytes |
| Print content | One-dimensional code: UPC-A, UPC-E, EAN-13, EAN-8, CODE39, ITF, CODEBAR, CODE93, CODE128<br>QR code: QRCODE |

## 8.2 Battery Recycling

This product uses a rechargeable lithium battery. To protect the environment, please do not dispose of used batteries at will. Need to send used batteries to the designated recycling box.

## 8.3 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: 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: The Grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. such modifications could void the user's authority to operate the equipment.

The device has been evaluated to meet general RF exposure requirement.
To maintain compliance with FCC's RF exposure guidelines, the distance must be at least 20 cm between the radiator and your body, and fully supported by the operating and installation

## 8.4 Drivers, tools, user manuals, APP downloads

(1) Go to "www.rongtatech.com" click the title bar "DOWNLOAD" and select Driver Download\ Tool Download\
    User Manual\Product Video\FAQ

(2) Scan the QR code, select "DOWNLOAD" in the upper left corner, and select Driver Download\ Tool Download\
    User Manual\ Product Video\ and FAQ



APP download



Official website

**Rongta Technology (Xiamen) Group Co., Ltd.**

ADD: No.88, Tonghui South Road, Tongan, Xiamen, China.

WEB: www.rongtatech.com

TEL: 0086-592-5666129