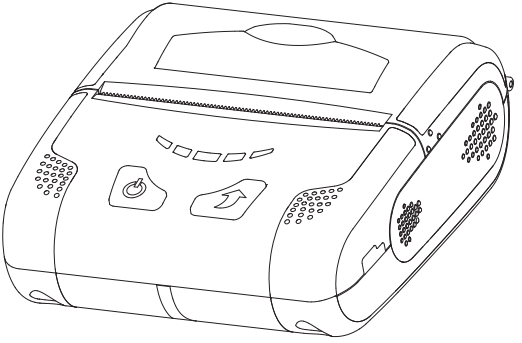
RONGTA **User Manual**

RPP300 Mobile Printer



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

V1.0

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Preface

About This Manual

Thank you for purchasing the mobile printer produced by Rongta.

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.

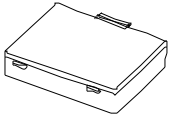
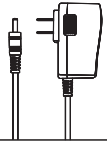
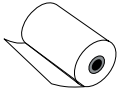
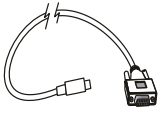
⚠ **WARNING** Please avoid short circuit, vibration or shaking of the power adapter.

⚠ **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.

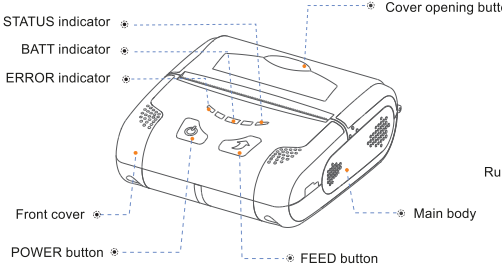
I. Standard Configuration

Standard Accessories			
			
Printer (1 set)	Battery (1 pcs)	Power charger (1 pcs)	USB cable (1 pcs)
Standard Accessories		Optional Accessories	
			
Thermal paper (1 roll)	Belt buckle (1 pcs)	Leather case	Serial cable

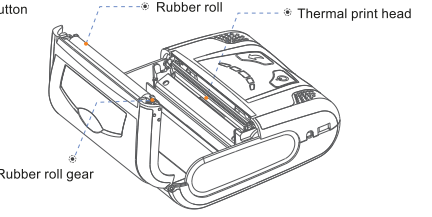
☺ The pictures are for reference only. If any item is damaged or missing, please contact the supplier.

Ⅱ. Printer Parts and Names

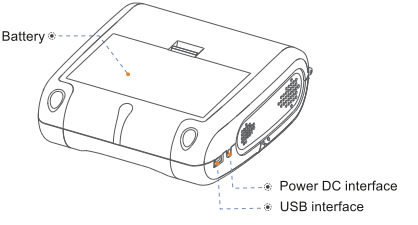
❑ Front View



❑ Inside View

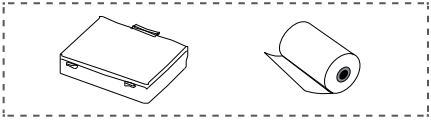


❑ Rear View



Ⅲ. Preparation Before Use

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



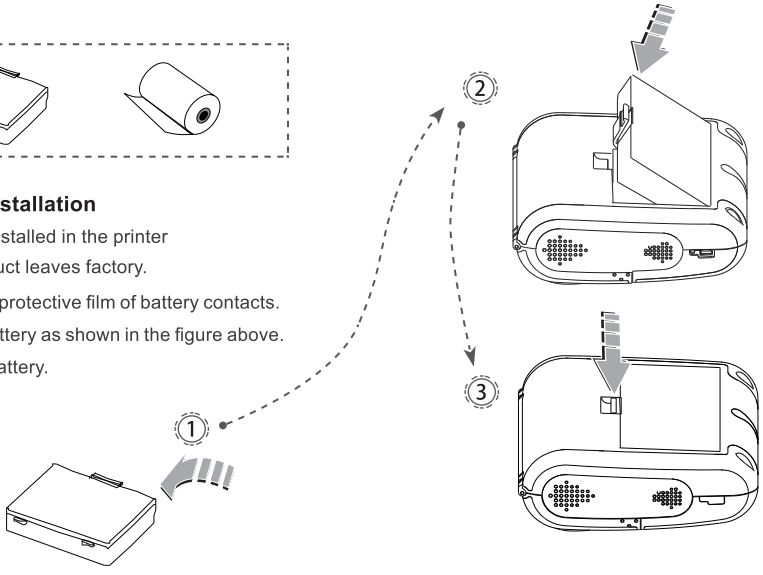
3.1 Battery Installation

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

(1) Remove the protective film of battery contacts.

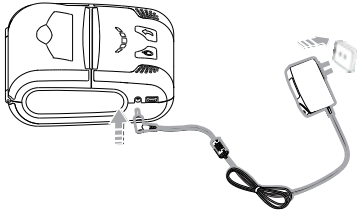
(2) Install the battery as shown in the figure above.

(3) Fasten the battery.



3.2 Battery Charging

After the printer is used for a period of time, the battery will run out. When the printer battery is about to run out, all BATT indicators (Bluetooth) will go out, while the ERROR indicator (red) will be on. At this time, the user should charge the printer. If the printer is automatically turned off during printing, it must be charged before reuse.



⚠ WARNING

If you use a power adapter not provided or approved by us, the printer may be damaged.

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.

⚠ ATTENTION

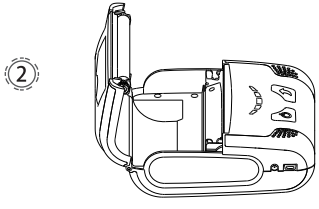
The battery cannot be charged with the adapter and USB cable at the same time.

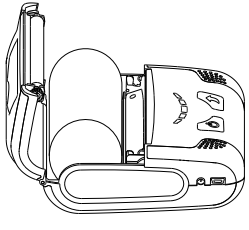
For charging method

Insert the mains plug of the charger into a 220V, 50HZ power outlet, then insert the charging plug into the printer's charging outlet, and the printer will start charging. During the charging process, if the printer is turned on, the BATT indicator (blue) will flash in turn from left to right until the battery is fully charged and the BATT indicator is always on.

3.3 Printing Paper Loading

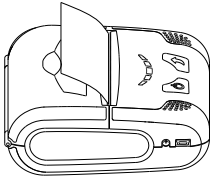
1. Remove the seal of the paper roll.
2. Open the paper bin cover.
3. Put the paper roll into the paper bin as shown in the figure.
4. Put the paper roll in place and close the cover.





Correct direction

Wrong direction



NOTE 1. Paper specification used by the printer: Paper width: 79.5±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.

IV. Basic Functions

4.1 Power On

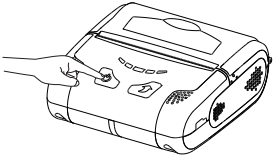
During power-off state, press and hold the power button for 2 seconds to turn on the printer and enter working state. At this time, the STATUS indicator (green) is always on.

⚠ ATTENTION

If all BATT indicators (blue) are off and the ERROR indicator (red) is always on, it means the printer battery is about to run out. If you want to continue using it, please replace the battery or charge it as soon as possible. For charging method, refer to 3.2 Charging

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.



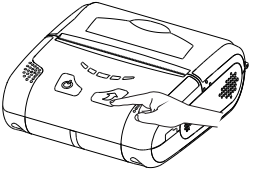
4.3 Self-test

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 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.

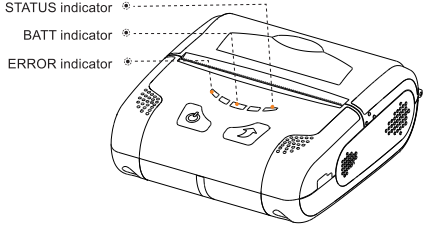


4.5 Indicator Description

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.

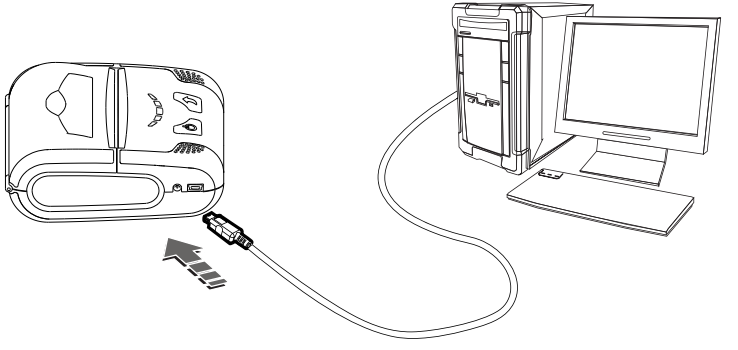
STATUS Indicator (Green)	BATT Indicator Three Indicators (Blue)	ERROR Indicator (Red)	Printer Status
On	Three indicators flash in turn from left to right	Off	Charging
On	Off	On	Low battery
On	On (three indicators)	Off	End of charging
On	On (depending on battery level)	Off	Normal power-on state
On	On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



V. Communication

5.1 USB Communication

RPP300 provides Micro USB 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.



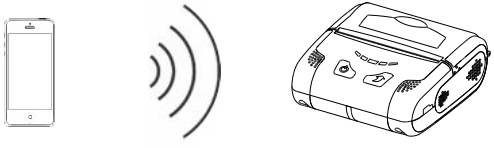
5.2 WiFi Communication (Alternative)

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.

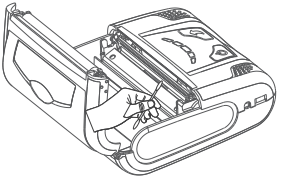


The default pairing password of Bluetooth is 1234 and the parameters can be set through the setting tool. For details, please refer to the "Instruction Manual for Setting Tool".

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)

VIII. Appendix

8.1 Printer Parameters

Printing Parameters	
Printing method	Thermal line printing
Print width	72mm
Paper roll diameter	≤40mm
Print speed	80mm/s(Max)
Resolution	8 dots/mm (203dpi)
Built-in font	GB18030 Simplified Chinese (standard)
Service life of printer mechanism	50km (Thermal paper)
Command set	Compatible with ESC/POS commands (see programming manual for details)
Print length	>200m
Print content	PC437, Katakana,PC850,PC860, PC863,PC865, WPC1252,PC866, PC852, PC858 Barcode: CODE39, EAN-13, EAN-8, CODABAR, CODE93, ITF, QR code: QR, PDF417

Printing Parameters	
Printing density	576 dots/row
Paper thickness	0.06~0.08mm
Battery specification	2000mAh rechargeable lithium ion battery
Charging time	5 hours
Working environment	Temperature: −10°C~50°C, humidity: 20%~85%
Storage environment	Temperature: -20°C~70°C, humidity: 5%~95%
Interface	Bluetooth+WIFI+USB (customized or optional)
Dimensions	113x103x45mm

8.2 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.

Rongta Technology (Xiamen) Group Co., Ltd.

ADD: No. 889 Xinmin Avenue, Tongan District, Xiamen, China

WEB: www.rongtatech.com

TEL: 0086-592-5666129 FAX: 0086-592-5659169