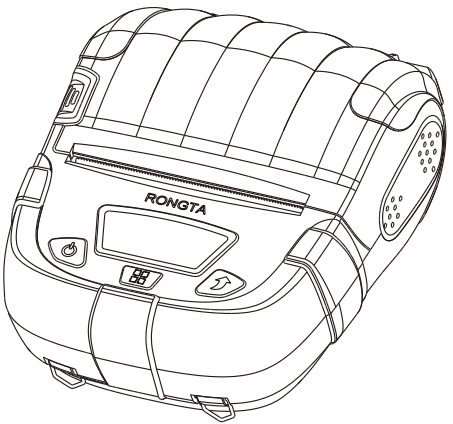
RPP320

Mobile Label Printer

USER'S MANUAL



RONGTA

XIAMEN RONGTA TECHNOLOGY CO.,LTD.

V1.1

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Introduction

About this manual

Thanks for your order about our RPP320 mobile label printer.
This manual can help you learn how to use this product. Please read this manual carefully before using it and keep it for future reference.

International conventions

For your convenience, this manual uses the following symbols (icons) and conventions:

⚠ Warning This symbol indicates a warning that improper use may result in property damage, serious injury or death.

⚠ Attention This symbol indicates that improper use may result in personal injury or damage to the product.

Remarks The symbol identifies the notes that give you better access to the product or extend the life of the product.

Related Manuals

The following manuals provide detailed information on various technical issues
1.Command Set: Provide a detailed description of the product development.

Statement

This product is a Class A product and may cause radio interference in a live environment. In this case, it may be necessary for the user to take practical measures to interfere with it.

The illustrations and text display used in this manual may differ from the actual ones. Product information has been in-kind, subject to change without notice.

Safety instructions

Observe the following precautions when using the printer

⚠ Attention Do not disassemble the printer yourself, please read this manual carefully before using

⚠ Warning Turn off the power immediately after a fault. When you find the printer or charger smoke or smell, please unplug the charger and remove the battery, be careful to avoid being burned.

⚠ Warning Do not use the printer near flammable materials such as gas stations or fuel depots.

⚠ Warning Always place the printer and charger in a ventilated environment at an ambient temperature of -5 ° C to 50 ° C and always use the charger supplied by the dealer. Using an unapproved charger may be dangerous , While also violating the provisions of the warranty terms.

⚠ Attention Do not open the paper cover while the printer is printing, otherwise unpredictable conditions may occur and the printer may be damaged.

⚠ Attention After the printing, the print head is still in a high temperature state, do not touch, so as not to burn.

⚠ Attention Do not use solvents such as benzene or thinner to wipe the printer. Do not touch the printer with corrosive chemicals or cleaning agents. Use only a clean, soft cloth to gently wipe the printer.

⚠ Attention Use only original or approved paper, as this may result in poor print quality or damage to the printer core.

⚠ Attention If you store the printer for an extended period of time, be sure to remove the battery from the printer and store it separately. Failure to do so may cause the battery to fail, or even leak, and damage the printer.

⚠ Attention Before changing batteries, please power off the printer and cut off the power if connnect the printer with power adpater.

⚠ Attention The printer could work stably from 0°C to 40°C, but the higher or lower temperature would debase the print quality.

⚠ Attention The storage time of receipts should be related to quality of the thermal paper. if the user need to print the long-term preservation receipt, please use long-acting thermal paper.

⚠ Attention This printer is suitable for the area below 2000 metres and no tropics.

Battery Safety Attention

⚠ Attention Please read this user manual and battery surface marks carefully before using the printer.

⚠ Warning Charge the battery in a cool, ventilated room. The ambient temperature is too high when charging the battery . It will cause fever, smoky, deformation, combustion and even explosion.

⚠ Warning Battery comes with special protective circuit, please don't take apart the battery, otherwise it may cause a short circuit or electrolyte leakage. If the electrolyte enters the eyes, there is a risk of blindness. If you accidentally enter the eyes , please do water rinse immediately and immediately go to the hospital.

⚠ Warning Please do not squeeze the battery, mechanical vibration or shaking the battery, the use of battery short circuit is strictly prohibited.

⚠ Warning Please do not put the battery into the water, so as not to cause internal short circuit, causing the battery heat, smoky, damage or explosion.

⚠ Warning Do not expose the battery to direct sunlight or high levels of smoke and dust, or in high humidity environments such as bathroom.

⚠ Attention Replace it if the battery does not meet the performance requirements.

⚠ Attention Keep the battery in a safe place out of the reach of children in case of danger.

⚠ Attention Once the battery discoloration or deformation etc., please stop using immediately.

Attention When Using Battery Charger

⚠ Attention Before use, please read this manual and charger surface marks.

⚠ Warning Please do not disasemble or refit the charger, it is strictly prohibited in the case of the power cord damage using charger, otherwise it will cause electric shock,on fire and damage of the charger.

⚠ Warning Please don't use wet hand contact with the charger, if the charger comes into contact with the water or liquid, should immediately cut off power supply.

⚠ Warning Please do not short circuit battery chargers, mechanical vibration or shaking the charger.

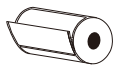
⚠ Warning Please do not use the charger in the bathroom where has high humidity.The device is not waterproof, it is forbidden to make it in the rain or moisture.

⚠ Warning Seize charger when Unplug, pull the power cord will damage the wires.

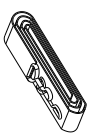
⚠ Attention Please put the charger in the safe place where children are not exposed to, in case of any danger.

1. Stardard Accessories

Stardard accessories

RPP320 printer(1pcs)	battery(1pcs)	charger(1pcs)	Belt buckle (1pcs)	USB cable(1pcs)	 Label paper (1pcs)
User manual(1pcs)	CD(1pcs)				

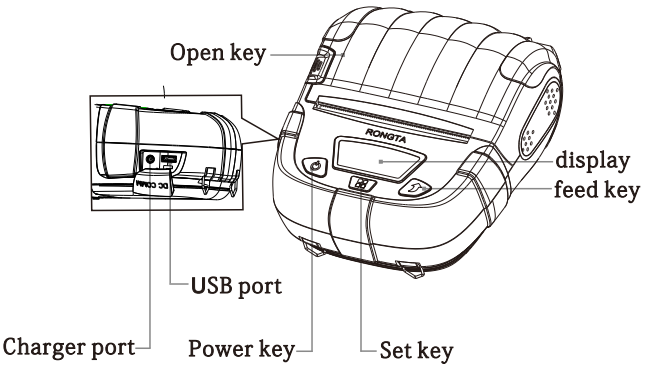
Optional accessories

 straps(1set)

Note: if you need more information of optional parts, please contact your supplier.

2. Apperance&Component

Front

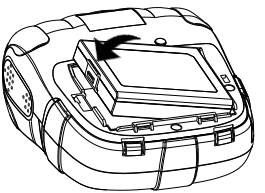


Back

3. Preparation before use

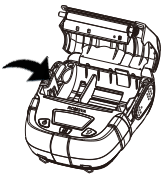
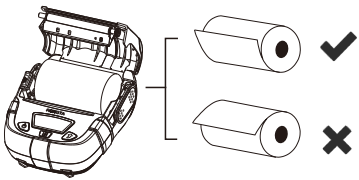
3.1 Install battery

Battery is not installed inside printer when products out factory.

	
Install battery	When tight, install battery cover

Note: if first time use battery, please charge full. if store battery long time, when use again, please charge full to have best quality.

3.2 Install print paper

 Press open key to open cover	 Install paper as correct method
Pull out little paper, close the cover	Tear off useless paper as correct direction

Note:1. RPP320 printer paper width：80mm （adjustable）、roll diameter：50mm。
2. Note the paper roll direction, if wrong, will print blank, empty feed, and so on.
3. Must pull out little paper outside.

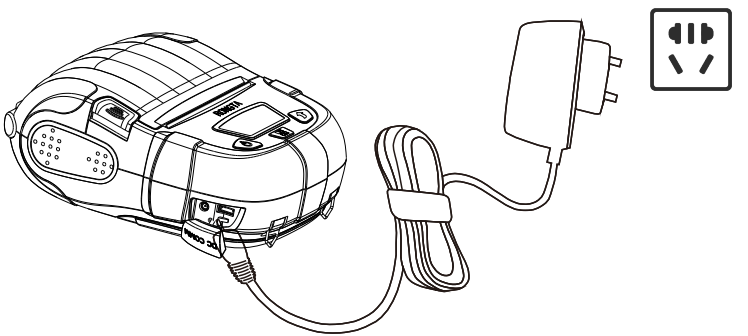
3.3 Battery charge

Plug the power adapter plug into outlet, and put the DC plug into printer charging port.
(AC:100V~240V(50/60Hz))

⚠ Warning: If use the power adapter which is not offer/reconise from our company,that may be damage printer.

⚠ Attention: Please do not take out of the battery.

Remarks: Printer can print while charging.



4. Performance

4.1 basic function

Open: hold the power button 3 sec.
Off: hold the power button while printer open.
Feed: click “feed” key(continuous paper:click FEED key, can feed 5mm paper.label/black label:click “feed” key,can feed paper until seam or black mark.)
Awake while sleep: when printer on open status,if there is not any operation or data transmission, printer will go to sleep automatically.and when you click the power key then can awake the printer(but if the printer receive data transmission then can awake automatically.)

4.2 setting

Go to the setting page: openning status(not sleeping),hold set key can go into option page.
Click set key: go to the next option.
Click feed key: change the option.
Click power key: confirm setting.

	Print Info	Press power key to print slef testing page
	0-4	Set wide range resolution (Coarse adjustment)
	0-4	Setting small range resolution (fine adjustment)
	0-4	Print Speed Setting
	Chinese/EngLish	Language Setting
	Open/Close	Beeping On/Off
	Gap/Mark/None	Paer Types Setting
	OLED	Lighting on screen to testing dead pixel

4.3 Self Testing

On self testing page including print item No., interface and DPI etc.

Porduct Parameters

Selftest
Firmware Version:GD20x_V1.00 2016-10-10
Model:.....RPP320
Interface:.....USB
& wifi
& BlueTooth
Print Method:.....Direct Thermal
Print Density:.....9
Print Speed:.....4
Font:.....24x24GB 18030汉字字库
Media Type:.....Label
Instruction Set:.....TSC
Dpi:.....203

Print Size Parameter

Size:.....0 mm, 0mm
Reference:.....0mm, 0mm
Shift:.....0mm
Offset:.....0mm

Voltage/Temperature

[POWER & DEGREE]
VOLTAGE:8.3 DEGREE:30

Bluetooth Parameters

[BlueTooth Configure]
EDR NAME:....RPP320-E
BLE NAME:... .RPP320-B
EDR PIN:..... .0000
BLE PIN:.....000000
EDR ADD:.....00-00-15-01-B0-4C
BLE ADD:.....00-01-15-01-B0-4C

WIFI Parameters

[WIFI Configure]
WIFI SSID:.....12345678
Ethernet ID:.....41-38-30-31-35-37
DHCP:.....Disable
Ip address:.....192.168.1.87
Port:.....9100
NetMask:.....255.255.255.0

Bluetooth/WIFI information can setup by setting tool, the detais pls check <Setting tool manual>.

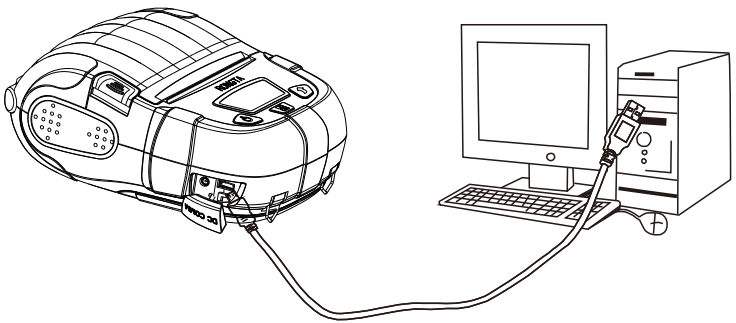
5.Icons Introduction

Print Status		The icon display at screen when printing.
Paper End	Insert Paper	The icon display at screen when paper ending or wrong paper install.
Cover Openning	Close Cover	The icon display at screen when cover open or closed in wrong operation.
Battery Indicator		The grids will running on charging.
Bluetooth		The icon will display if the printer has bluetooth funciton
WIFI		The icon will display if the printer has bluetooth funciton （√:wifi connect）

6. Communication

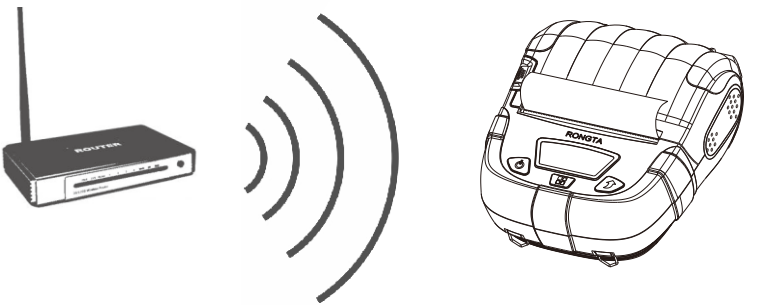
6.1 USB Communication

RPP320 applies Micro USB interface, if connect to PC as blew, can charging, setting and transmit data etc.



6.2 WIFI communication

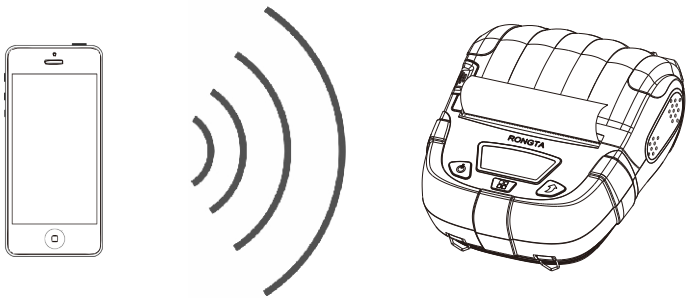
RPP320 printer can provide WIFI communication, Support STA mode, Support TPIK/AES encryption, Effective communication distance Less than or equal 20m.



WIFI information can be changed by setting tool, More information pls check (Tool setting manul).

6.3 Bluetooth communication

RPP320 printer has both models Bluetooth 4.0 (SPP+BLE) , it can communicate with iPhone、iPad、Android . The effective communication distance is less than or equal to 10 meters. It support for AirSync protocol and can use Bluetooth function on the wechat platform.



Bluetooth default pairing password: 0000, it can be setting up with parameter settings. For more details《Tool setting manul》.

7.Maintenance and repair

7.1 Printer maintenance

1、The printer paper storehouse and external cleaning: Please screw the wet cloth gently wipe the internal printer table and paper warehouse, pay attention to completely screwed wet cloth.
2、Cleaning of printer Mechanism: Printer core must be Periodic cleaning, Especially when the print quality drops down, The cleaning methods are as follows: Use the absorbent cotton which dipped with ethyl alcohol to gently wipe the grey box part as shown in below Pic1. Pls wipe it till all clean.

Pic1

3、If found inside the printer into water, please turn off the power and remove the battery, and make the printer Natural drying.
4、If not use printer for long time, please remove the battery stored separately.

7.2 The use and preservation of printing paper

1、The purchase of new printing paper please avoid storing in direct sunlight or high temperature, please do not open the package paper when you store it.
2、After printing the documents, please keep it at room temperature (20 degrees C) to avoid the light, which can effectively prolong the storage time of documents.
3、If the user documents need to save for a long time, please select a long-term thermal printing paper.

8.Fault Diagnosis

Situation	Causes	Solution	pagination
Only feeding paper without data printed when printing	Wrong direction when installing paper roll	Reverse the direction of paper roll	8
Obscure printing	Dirty mechanism because of long term uncleanliness	Clear the printer mechanism	17
	Paper with bad color performance	Setting a higher blackness standard, or using paper with better color performance	—
Printed receipts become obscure in few months or even in few weeks	Paper with bad performance	Choose thermal paper with long serving time	17
	Stock environment for receipts with over high	Deposit in place with normal temperature (around 20℃)	17

9. Appendix

9.1 Printer Parameters

Printing Parameters	
Printing method	Line thermal printing
Paper width	72mm
Paper roll diameter	⩽50mm
Printing speed	⩽90mm/s
Resolution	203dpi
Built-in font	GB 18030（24x24）
Machinery lifespan	50km（within 25% printing density）
Printing command	ESC/POS、CPCL、TSPL
Printing length	More than 300m (under situation of full charge and 12.5% printing density)

Printing content	Multiple language or graph like Chinese, English and Russian 1D barcode: UPC-A、UPC-E、CODE39、EAN-13、EAN-8、 CODABAR、CODE128、CODE98、ITF 2D barcode: QR CODE
Battery type	7.4V 2700mAh Li-ion Battery
Charging time	3 Hours
Wire communication	StandardUSB2.0
Wireless communication	Dual mode Bluetooth 4.0 (SPP+BLE)
Printer dimension	L140mm*W117mm*H60mm
Weight	0.45kg
Using environment	Temperature: 0℃~40℃ Humidity: 20%~85%
Stock environment	Temperature: -20℃~70℃ Humidity: 5%~95%

9.2 Battery Recycle

Rechargeable Li-ion battery is used. To protect environment, please do not dispose waste battery ad libitum. Supplier will provide battery recycle service for you.

Website: http://www.rongtatech.com
Service hotline：400-800-0596
Address：3rd floor, building No. E, Gaoqi industrial Zone, Huli, Xiamen
TEL：0592-5666129　FAX：0592-5659169