



RONGTA

HANDHELD PORTABLE

TH110 LABEL MAKER



Please read this user manual carefully before using
Kindly keep it for future reference

Thanks for choosing Rongta

Customer Support



Please kindly contact us if you have Any questions or concerns when installing and using.



Email: service_support@rongtatech.com

**Scan the below QR code to talk with us
WhatsApp:**



Customer Support

Scan or upload this QR
Code using the WhatsApp
Camera to add us

Extended Warranty

Please contact **service_support@rongtatech.com** to extend the warranty to 1 year with your order No.

PRECAUTIONS

1. Do not use and store printers in places with high temperature, high humidity and serious pollution;
2. Please protect the printer from liquid intrusion or moisture. Do not use it in extremely humid environments (such as being exposed to rain or splashed with water), as this may cause damage to the printer or lead to a fire. In case of liquid intrusion, immediately turn off the printer, unplug the USB data cable and remove the battery. Place the printer in a dry environment to let it air dry naturally. Do not power it on again until the equipment is completely dry inside; otherwise, it may cause damage to the printer or lead to a fire.
3. When used in an environment below 15°C, it is recommended to connect a TYPE-C power source to ensure the battery's printing duration.
4. Dispose of the batteries at an appropriate collection point, not in the general waste stream. In addition, be sure to observe all applicable federal, state, and local regulations.
5. When storing or discarding the batteries, wrap it (for example with cellophane tape), to prevent it from short-circuiting.
6. Pay attention to the condition of the battery. If swelling or reduced performance occurs, replace the battery promptly.
7. If the device will not be used for an extended period, remove the battery from the device before storage to avoid power drain from prolonged standby while installed.
8. During storage and use, the battery or device should be kept in a relatively cool, dry, and well-ventilated environment, away from fire sources and high temperatures, and protected from water exposure or immersion.
9. Remove the battery when not in use for extended periods.

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1. Smartphone App Download

Smartphone:

Download the "**RONGTA**" App.

Method 1: 1) **iOS:** Search and download "**RONGTA**" from App Store.

2) **Android:** Search and download "**RONGTA**" from Google Play.



Method 2: Scan the QR code below.



RONGTA APP

After installing the APP on the mobile phone, connect to the printer:

- 1) Turn on the Bluetooth of the mobile phone and the printer;
- 2) Open the APP and search to select the "**TH110**" printer for pairing;
- 3) Once the pairing is successful, you can start printing.

Support Bluetooth Devices: iOS, Android



Note

For more printing operations video demo of App, please refer to the URL: "www.rongtaglobal.com/TH110"

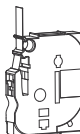
2. Packing List



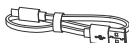
Label Maker*1



User Manual *1



Label Tape(Sample)*1



USB Cable*1

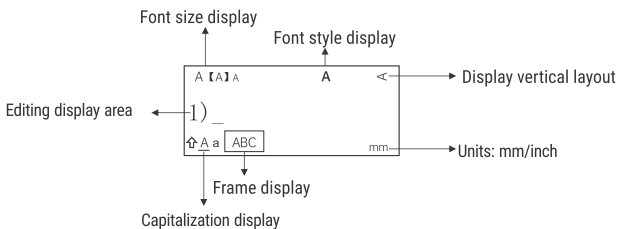


Note

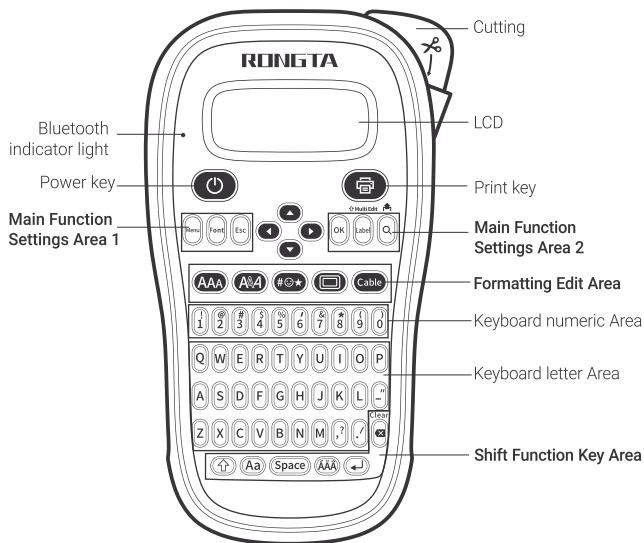
The quantity of included label tape is subject to the actual delivery.

3. Parts Description

3.1 LCD



3.2 Keyboard



Main Function Settings Area 1			Main Function Settings Area 2		
					
Menu key	Font key	Esc key	Ok key	Label key	Preview key/Feed key
Formatting Edit Area					
					
Font size key	Font style key	Symbol key	Frame key	Cable key	
Shift Function Key Area					
					
Shift key	Caps	Space key	Accent key	Enter key	Backspace key

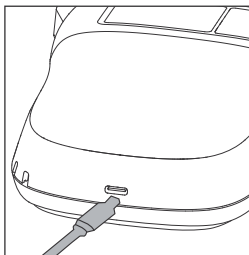
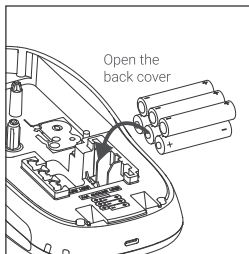
4. Guidance on Switching on the Power

Method 1: Open the rear cover and install 6 batteries.

(To ensure the printing duration, it is recommended to use AAA (LR03) Batteries)

Method 2: Use a 5V/2A adapter to power via the USB Type-C port.

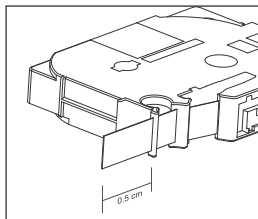
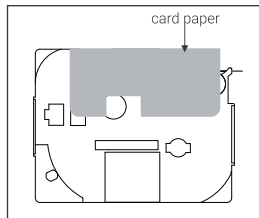
(It only provides power and does not support charging.)



The two power supply methods can be used concurrently.
After connecting the power supply, you can start using it.

5. Installation for Label Tape

- 5.1 Take out the label tape and remove the card paper on the side.
- 5.2 Ensure that the continuous paper passes through the guiding slot, and then pull the continuous paper out from the guiding slot by approximately 0.5cm again.

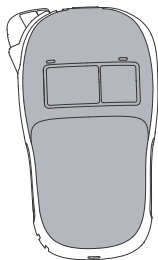
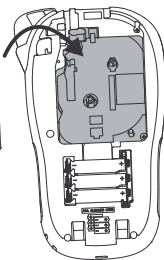
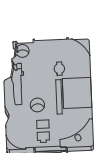
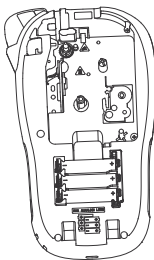


- 5.3 Follow the steps below to correctly install the ribbon box and ensure that the continuous paper is pulled out from the printer's paper exit.

① Open the back cover

② Place the label tape into the label tape slot.

③ Close the back cover.



Note

If using batteries, install them before installing the label tape.

6. Common Functions

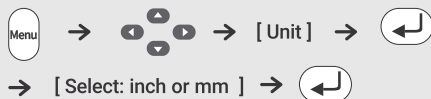
6.1 Language

Language Settings



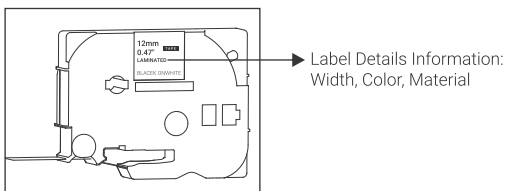
The default display language of the printer is: English

6.2 Unit setting

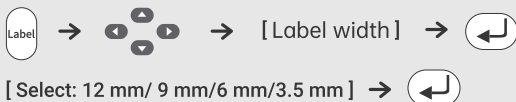


Default display: mm

6.3 Select label width

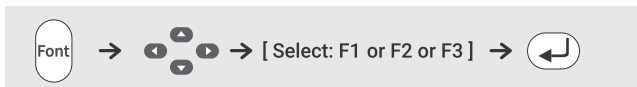


After replacing the ribbon cassette or closing the rear cover, the printer will automatically prompt you to set the label width. Please select the correct width value of label installed on the screen.

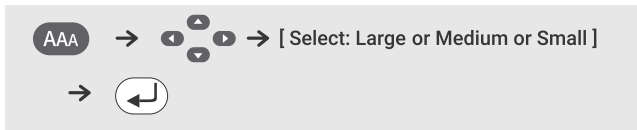


6.4 Text format

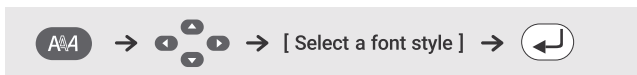
(1) Font



(2) Font Size



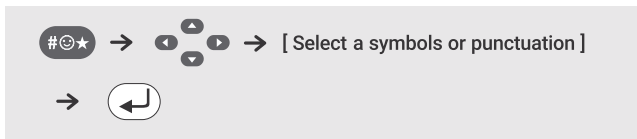
(3) Font style



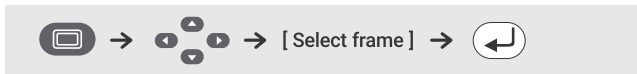
Note

Normal, Bold, Outline, Shadow, Solid, Italic, I+Bold, I+Outline, I+Shadow, I+Solid ,Wide x 2, Wide x0.5 ,Vertical (Shift+V) .Vertical can be used in conjunction with other styles. set according to requirements.

(4) Symbols & Punctuation



(5) Frame



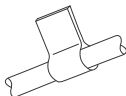
(6) Cable

With this function, a label can be wrapped around a cable or wire with its ends stuck together to form a flag. The input text lines are printed at the both ends of a label.

(d: Reserved cable circumferential distance)

AAA		AAA
AAA		BBB

← d →



Cable → [Select: AAA | AAA or AAA | BBB] →

[Input Text] → OK → [Select: Print or Preview or Exit]

→ OK or → [1-9] → OK or →

Press the ESC key on the keyboard to cancel the current "Cable" function settings.

(7) Caps

Press **Aa** Caps key to switch to upper case or lower case.

(8) Entering multiple lines of text

1) **12mm wide label tape:** Support print 4 lines of After entering the 4th line of text, do not press [Enter key], otherwise the error message "Line Limit!" will be displayed.

1) TEXT1 → 2) TEXT2 → 3) TEXT3 → 4) TEXT4

TEXT1
TEXT2
TEXT3
TEXT4

2) **9mm wide label tape:** 3 lines of text can be printed After entering the 3rd line of text, do not press the [Enter key] otherwise the error message "Line Limit!" will be displayed.

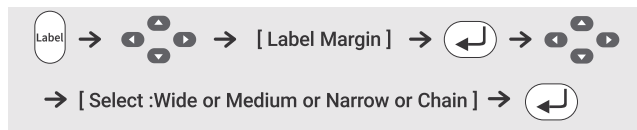


Note

6mm can support up to 2 lines of text, while 3.5mm can support only 1 line of text and does not support the Frame function.

To switch the number of lines for multi-line text, use the up and down navigation keys for quick switching.

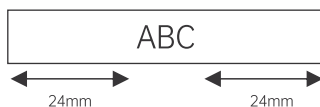
6.5 Setting Margins



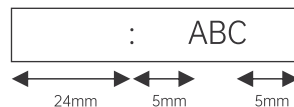
[Label Margin] The default setting is Medium

Margin function sets equal margins on both sides of the text

[Wide]



[Medium]



[Narrow]



[Chain]

Use this setting when printing several labels with minimum margins.

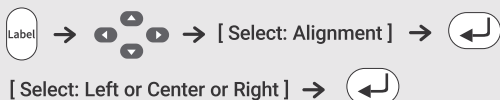
- 1) Enter text.
- 2) Press , then **[Copies:]** appears.
- 3) Pressor  /  /  /  enter number with number keys to select the number of copies.
- 4) Press  Printing will start, and then the message "Feed OK?" appears.
- 5) Press  to enter more text.
- 6) Clear the text, enter the text for the next label, and then press .
- 7) When the message "Feed OK?" appears after the last label is printed, press .
- 8) After the tape is fed, press the Cutter Lever to cut off the chain of labels.



Note

After setting **[Medium]** and **[Narrow]**, the display shows the label length from the printed dots (:) to the end of the label

6.6 Alignment Settings



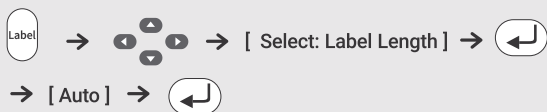
Alignment settings: Left alignment, Right alignment, Center alignment

When the label length is set to auto length, multi-line text can be set to left and right alignment. The left and right alignment is reflected in the shorter text of the text.

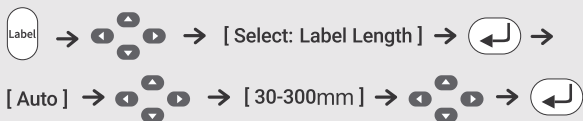
When the label length is set to a custom length, the margin settings are invalid, but the alignment settings are valid. When left-aligned, the distance from the cutting line is 3mm; when right-aligned, the distance from the label edge is 3mm.

6.7 Label Length Setting

1) Auto



2) Custom Length



Note

1. Auto

There is no limit on the length of the label, but there is a limit on the characters of the label. If the number of characters exceeds 100, the 101st character cannot be input. The screen will display "Text Full".

2. Custom length

30 - 300mm. The screen defaults to displaying 30mm. Each left-right switch adds or subtracts 1mm.

6.8 Cutting



[Cutting]



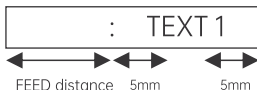
[Select: OFF or ON]



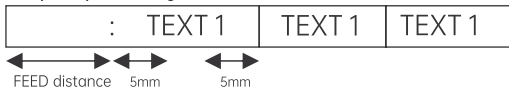
- 1) Default: **OFF**. In the OFF state, if the label margin (Medium or Narrow) is set or the label fixation degree is defined, the cutting points will be printed on the adhesive label paper.
- 2) When the **"ON"** function is enabled and the margin is set to medium or narrow, when the paper travels a certain distance (24mm), the screen will prompt the user to cut. After the cutting is completed, click the Enter key, then the subsequent content will be printed. If the number of printed copies is multiple, after printing each copy of the label, the screen will prompt the user to cut once.
- 3) The Cutting function and the chain function of margin setting cannot be supported simultaneously: When the Cutting function is enabled, and then the **Chain** is set, the screen will prompt **"Invalid"**; First enable the chain function, and then enable the Cutting function, the screen will prompt **"Invalid"**.
- 4) When using the APP for printing, the cutting function status of the APP and the printer can be synchronized.

[e.g.] Medium margins

Single Copy Printing



Multiple Copies Printing

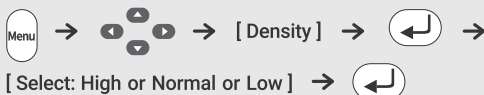


Note

How to save tape consumables?

1. When printing multiple copies, you can enable the Cutting function and set the margin to medium or narrow. Only the first sheet of paper needs to be cut, and from the second label onwards, the left and right margins are 5mm (Medium) or 3mm (Narrow) and the FEED fixed distance is shorter than when "Cutting" is not turned on.
2. For different text labels, you can use the chain margin function and manually cut the labels.

6.9 Density setting



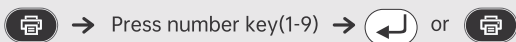
Set the printing concentration according to the printing requirements.

6.10 Label Printing function

Use the navigation keys to select the number of copies

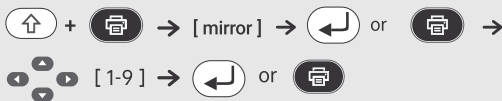


The number of copies can also be specified by pressing a number key



- 1) To prevent damage to the tape, do not touch the cutter lever while the screen displays **"Printing"** or **"Feeding"**
- 2) To cut off the label, push the tape cutter lever on the upper-right corner of the printer
- 3) Peel the printed label from the backing and apply the label
- 4) Cutting **"ON"**: When printing multiple copies, cut each sheet before printing the next one.

6.11 Mirror Printing



When printing **[Ribbon Tape]** or **[3.5mm Membrane-free label]**, the **[mirror]** switch needs to be turned on, and different intensity levels should be selected until the optimal printing result is achieved.

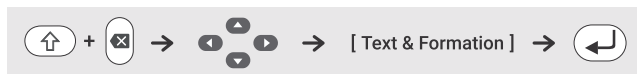


Note

Up to 9 copies of each label can be printed at a time

6.12 Clearing

To delete all text and formation



To delete all text only:



Backspace key

Press  [Backspace key] to delete the letters one by one



6.13 Saving label Files

Save up to 15 label files and recall them later for printing, allowing editing and overwriting of stored label files.

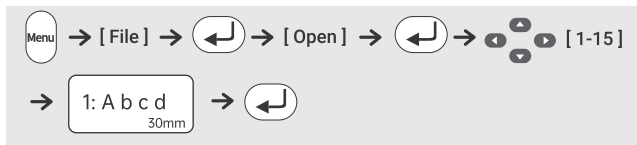
(1) Save

Save Method One





(2) Open



(3) Delete



6.14 Entering accented characters

- 1) Press an alphabetic character, then press [**Accent key**] the accent options of that alphabetic character are displayed.



Note

To cancel the current operation, press



or

6.15 Connecting Bluetooth

When using the APP for printing, Bluetooth needs to be turned on. After successful connection, the printer's indicator light will remain constantly on, indicating that it is ready.

Shift+Menu: Turn on or off the Bluetooth function +



Note

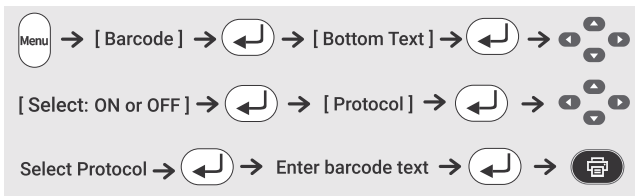
The Bluetooth indicator light being on indicates that Bluetooth is enabled. When the Bluetooth indicator light is off, it means that Bluetooth has been turned off. When not using the app, please turn off the Bluetooth to extend the battery life.

6.16 Preview\Feed

- (1) Click the preview key to **view the current tag**. Click the back key to exit the preview interface;
- (2) In the preview interface, click the Enter key. The screen will prompt **"Save File?"**. Click the Enter key again to save the tag. Click the back key to return to the preview interface;
- (3) Long press the preview key for 3 seconds to activate the **"Feed"** function. This initiates one page of text;
- (4) If there is no text, click the preview. The screen will display **"No Text!"**.

6.17 Barcode

Barcode printing



Note

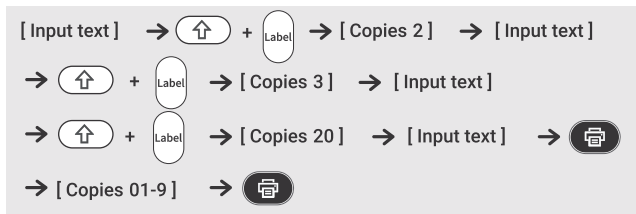
- 1) Barcode types: EAN 8 \ EAN 13 \ UPCA \ UPCE \ I25 \ CODE 39 \ CODE 128 \ EAN 128.
- 2) When inserting the barcode, multi-line printing is not supported; only single-line printing is available.
- 3) Each label can only contain one barcode. During editing, the newly set barcode content will directly overwrite the existing barcode.

6.18 Offset

Offset Settings: If the label is misaligned, configure it here.



6.19 Multi-copy editing function



- 1) If the current label text has no content, no new label will be created.
The LCD screen will display **"No Data"**.
- 2) Multi-copy editing: Use this function to continuously edit up to 20 different labels.
- 3) + or : To jump to the previous or next tab, you can modify the text.
- 4) When printing, it will be printed in the order of Copies 1 to 20. If multiple copies are printed, they will also be printed in the order of the tabs.

6.20 Short Cut

+	Shift+Menu	Turn on/off Bluetooth
+ V	Shift+V	Enable vertical text editing
+	Shift+Print	Start mirror printing
+ (0~9, " ,? ,/)	Shift+Number	Input symbol
+	Shift+Label	Multi-page printing
+	Shift+BS	Clear



Note

Esc key:

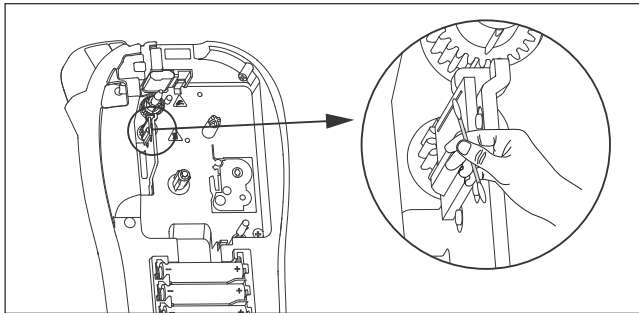
Cancel the current selection and return to the previous menu until you reach the main editing interface.

7. Indicator light instructions

- 1) Flashing blue light indicates Bluetooth is on but not connected to the APP;
- 2) Steady blue light indicates connected to the APP;
- 3) No blue light indicates Bluetooth is turned off.

8. Cleaning Guide for Label Maker

Use a cotton swab dipped in a small amount of alcohol and gently wipe the print head repeatedly several times.



- 1) The print head needs to be cleaned when printing is not clear;
- 2) Make sure the power is turned off and the power cord is unplugged before cleaning the print head;
- 3) Wait until the alcohol evaporates and the print head is dry, then turn on the label maker to print and check the resulting print;
- 4) Do not scratch the print head with a hard object, otherwise the print head will be damaged and the printing effect may be compromised.



Note

To maintain the blade's sharpness, regular cleaning of adhesive residue is recommended. If excessive residue causes poor cutting performance, use a cotton swab for cleaning or consider replacing the blade. For purchasing inquiries, please contact customer service.

9. Troubleshooting

Message	Cause	Solution
Accepted	Setup completed	
No Text !	No input text	Input text - Click to preview
Error	Opening the back cover during the printing process	During the printing process, please close the rear cover and do not open it
Line Limit!	Unsupported for multi-line text situations	1) 12m: An attempt was made to enter a 4th line by pressing [Enter key] 2) 9mm: An attempt was made to enter a 3th line by pressing [Enter key] 3) 6m: An attempt was made to enter a 2th line by pressing [Enter key] 4) 3mm: An attempt was made to enter a 1th line by pressing [Enter key]
Stop and power off ?	Turn off the power during the printing process	Do not turn off the power during the printing process
lows battery!	Battery low power warning	If using AAA alkaline batteries: replace them with new ones
Feeding	Manual paper feeding	Press the Enter key
Feed OK?	Confirm whether feed distance is required	Press [Enter key] \ [Ok key] : The current label will be sent to the cutting position and then cut. Press [Esc] : Ignore the paper movement and you can start printing the new content directly
Change Length!	The text exceeds the set print length.	Reduce the text
Cannot print	Back cover opened	Close the back cover
Full Text!	The maximum number of characters(100 characters for regular text) was already entered. Reduce numbers of characters to a maximum of 100	Reduce entry(reduce bytes please!)

10. Additional Troubleshooting

Problems	Solutions
The display stays blank after turning on the device	1) Check that the batteries are correctly inserted; 2) If the batteries are weak, replace them; 3) If using the power adapter, make sure the cord is connected correctly and power is turned on.
When the label is printed out the margin(space)is too large on both sides of the text	See " Setting Margin " in this user manual and select [Medium] or [Narrow] to have smaller margins for labels.
The printer does not print, or the printed characters are not formed correctly	1) Check that the tape cassette has been inserted correctly; 2) If the tape cassette is empty, replace it; 3) Check that the cassette cover is fully closed.
A blank horizontal line appears through the printed label	There may be some dust on the printer head. Remove the tape cassette and use a dry cotton swab to gently wipe the printer head with an up-and-down motion. Or insert a print head cleaning cassette to clean the printer head more easily.
The printer has "frozen up"(i.e.nothing happens when akey is pressed, even though the printer is on)	1) Replace batteries in case the batteries are weak; 2) Restart the printer by pressing the Power key; 3) If the two solutions above do not work, return to your seller.
The power turns off when trying to print	1) The batteries may be weak, Replace them; 2) Check that the batteries are correctly inserted.
The tape does not feed correctly or the tape gets stuck inside the machine	1) Check that the end of the tape feeds under the tape guides; 2) The cutter lever has been used while printing. DO NOT TOUCH the cutter lever during printing.
The printer is making a "da da da" sound.	1) Check for consumable depletion; 2) Check for consumable alignment.

11. Specifications

Item		Specification
Printing	Printing Method	Thermal transfer printing
	Resolution	203dpi
	Max.Print Width	0.39"(10mm)
	Max.Print Speed	0.79ips(20mm/s))
	Print Length	300mm
Media	Types	Continuous paper
	Tape Width	0.14"(3.5mm) \ 0.24"(6mm)\0.35"(9mm) \ 0.5"(12mm)
Paper Cutting Method		Manual cutting blade
Function	Key	QWERTY keyboard keys
	Indicator light	Blue
	Display screen	LCD backlit screen, 15 characters displayed per line
	Symbol style	500+
	Border style	100
	Font size	Large、Medium、Small
	Font style	13 types
	Font	3 types
	Alignment	Left、Center、Right
	Max. Number of Copies	20 copies
	Max. Lines Per Page	3.5mm: Maximum of 1 lines 9mm: Maximum of 3 lines 6mm: Maximum of 2 lines 12mm: Maximum of 4 lines
	Cable Label	Two display formats: AAA AAA; AAA BBB
	Barcode editing	EAN 8 \ EAN 13 \ UPCA \ UPCE \ I25 \ CODE 39 \ CODE 128 \ EAN 128
	Built-in Languages	23 Languages
	Save Label	15 Labels
Label Design QWERTY Keyboard\RONGTA APP(ios\Android)		
Communication interface		Bluetooth
Power Interface		USB (Type-C), Power Only
Power Input		DC 5V/2A or LR03 x6
Overall machine dimensions (length, width, height)		200*114.5*55.4mm
Weight		405g
Environment	Operation	Temp: 32-113°F (0~45°C) ; Humidity: 20–85%, Non-Condensing
	Storage	Temp: -4~140°F (-20~ 60°C) ; Humidity: 10~95%, Non-Condensing
	 Battery operating temperature range: 15°C - 30°C. Beyond this range, the battery performance will be insufficient and it may prompt the "low battery" message, which may affect the use of the printer.	

12. 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. The device can be used in portable exposure condition without restriction.

Can we help?

For further assistance please contact
Scan the below QR code to talk with us



WhatsApp

Customer Support

Scan or upload this QR Code
using the WhatsApp Camera to add us
Email: service_support@rongtatech.com