

USER MANUAL




Thermal transfer label printer 600C

About

Thank you for choosing our portable thermal transfer printer. The manual helps you easily use the product. Read it through before use and keep it well for users to read.

Icons and Conventions








For easy info reference, this manual uses the following symbols (icons) and conventions.

-  **Warning** This symbol indicates a warning. Improper use may lead to property damage or casualties.
-  **Caution** This sign means "Caution". Improper use may harm people or damage items.
-  **Remarks** This sign means "Remarks". The listed info can help you use the product better or extend its lifespan.

Precautions

- Due to our continuous efforts in improving and upgrading product functions and performance, our company reserves the right to change the software and hardware. specifications in the user manual without prior notice.
- If you spot any errors or omissions in this manual, please inform our company or distributors. Thanks a lot
- Without our prior written permission, the content of the attached manuals of this product must not be reproduced, distributed, transcribed, stored in retrieval systems or translated into other languages in any way or form.

Precautions for Using the Printer

-  **Caution** Do not disassemble the printer by yourself. Please read this manual carefully before use.
-  **Warning** Turn off the power immediately when a malfunction occurs. When you find the printer or charger smoking or giving off a strange smell, unplug the charger at once and be careful to avoid burns.
-  **Warning** Don't use the printer near flammables like gas stations or fuel depots.
-  **Caution** After printing, the print head is still hot. Don't touch it to avoid burns.
-  **Caution** Use our company's original label printing paper. Otherwise, it may lead to poor printing quality or even damage to the printer core.
-  **Caution** If the printer is stored for a long time, be sure to take out the battery in the printer and store it separately. Otherwise, it may cause the battery to fail or even leak, thus damaging the printer.
-  **Caution** Before replacing the battery, make sure the printer is turned off. If using a charger, make sure the power is cut off when replacing the battery.

Precautions for Using Batteries



Caution

Please read this manual carefully before use.



Warning

Turn off the power immediately when a malfunction occurs. When you find the printer or charger smoking or giving off a strange smell, unplug the charger at once and be careful to avoid burns.



Warning

The battery has internal protection circuits and devices. Don't disassemble it yourself. Otherwise, it may cause short circuit or electrolyte leakage. If it gets into eyes, rinse with water and seek medical help at once.



Warning

Don't squeeze, vibrate or shake the battery. Short-circuiting it is strictly prohibited.



Warning

Don't put the battery in water to prevent internal short circuits that may cause heating, smoking, deformation, damage or even explosion.



Warning

Don't expose the battery to sunlight or places with much smoke and dust. Don't use it in high-humidity environments like bathrooms.



Caution

Please replace the battery when it fails to meet the performance requirements.



Caution

Please place the batteries in a safe place out of the reach of children to prevent danger.



Caution

Once the battery shows signs such as discoloration or deformation, please stop using it immediately.

Precautions for using the charger:



Caution

Please read this manual and the markings on the surface of the charger carefully before use.



Warning

Please don't disassemble or modify the charger. It is strictly prohibited to use the charger when the power cord is damaged, otherwise it may lead to electric shock, fire and damage to the charger.



Warning

Please don't touch the charger with wet hands. If the charger comes into contact with water or other liquids, cut off the power immediately.



Warning

Please don't short-circuit the charger, subject it to mechanical vibration or shake it.



Warning

Please don't use the charger in places with high humidity such as bathrooms. This device is not waterproof. It is strictly prohibited to expose it to rain or moisture.



Warning

When unplugging, hold the charger. Pulling the power cord will damage the wire.



Caution

Please put the charger in a safe place out of children's reach to prevent danger.

Accessories

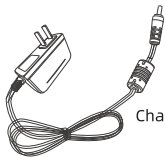
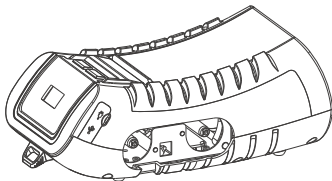
Caution

If any items are damaged or missing, please contact your supplier.

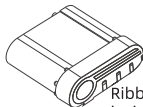
Caution

If you need detailed information on optional accessories, please contact your supplier.

Printer



Charger



Ribbon (pre-installed inside the printer)



USB cable

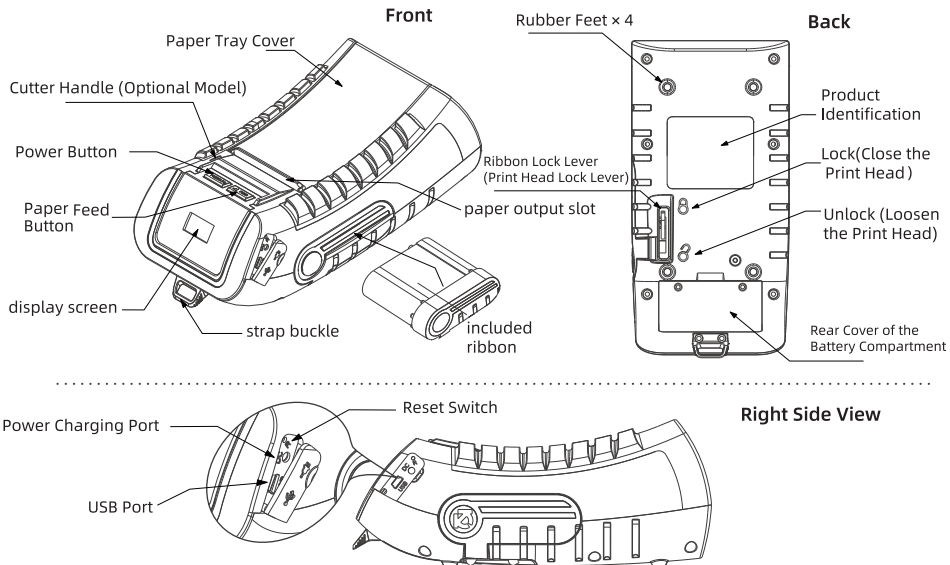


Battery (pre-installed inside the printer)

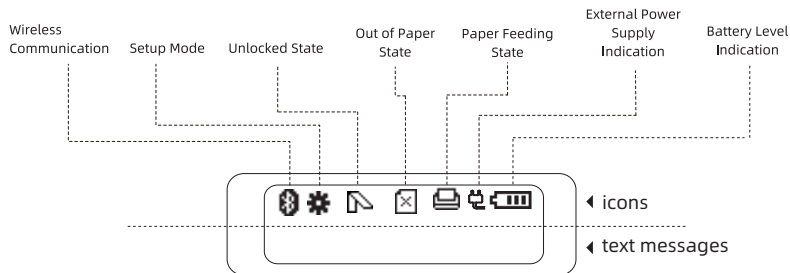


User Manual

Components of the printer



Instructions on the Display Screen



Wireless Bluetooth Mode/Setup Status Mode

Icon
Explanation:



The icon blinks when there is data transmission.



Regarding the setup procedures, please refer to Section Six.

Icon Explanation



Printing / Paper Feeding Status

This icon indicates the printing status. It appears when the printer is printing or feeding paper.



Out of Paper State

This icon indicates the paper shortage. It shows up when the printer is out of paper or the paper roll isn't loaded properly, with "Paper not detected" displayed in the text area.



Unlocked State

This icon indicates the unlocked state. It shows when the printer's ribbon/print head lock isn't locked, with "Print head not locked" shown in the text area.



External Power Supply Indication

This icon indicates if the external power supply is plugged in. It shows when there's correct external power input.



Battery Level Indication

This icon is used to indicate the power level. When charging, the icon blinks to show the charging status.



Text Messages

This area displays relevant text information.

Preparations Before Use



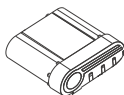
Note: Charge the printer fully before first use. Long charging is needed for long-stored batteries to get them in optimal condition.



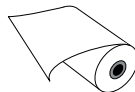
Battery

The battery is installed in the printer when the product is shipped from the factory.

This chapter presents the steps for printer preparation, such as ribbon installation, battery charging and paper loading.

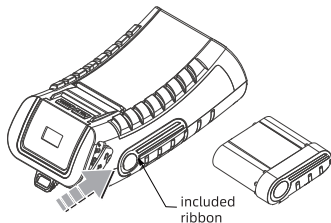


included ribbon



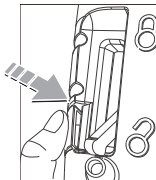
label

Ribbon Installation and Precautions




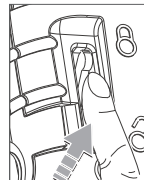
1

Avoid touching the ribbon with fingers or wrinkling it.




2

Push the ribbon/print head lock lever to the unlocked position  and insert the ribbon cartridge into the printer's right side.



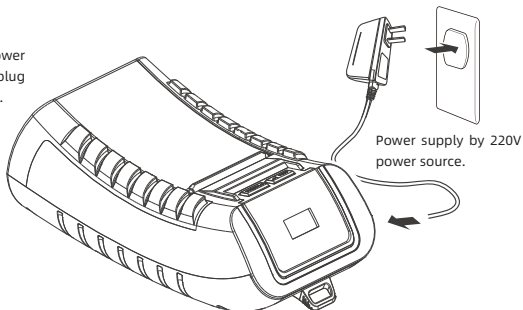
3

After installing the ribbon, push the cartridge in fully and then push the lock lever forward to the locked position  to lock the cartridge and print head.

Battery charging

Insert the charger plug into the power socket, and then insert the charger's DC plug into the charging interface of the printer.

DC:12V ~ 1A(50-60Hz)



Warning

If a charger not provided or approved by our company is used, it may damage the printer.



Caution

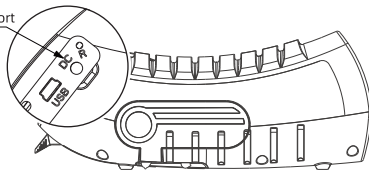
Do not remove the battery while it is being charged.




Remarks

Printing while charging will affect the battery's service life.

Power Charging Port



Charging: Power indicator icon blinks.

Charged: Power indicator icon shows full  and stops blinking.

Installation of printing paper

The printer uses roll paper ($\leq 65\text{mm}$ in diameter, 20-54mm in width) as consumables.



Remarks

Firstly, ensure that the labels you use are the special label rolls dedicated to this model of printer provided by our company.

After inserting the labels, adjust the width of the paper compartment to match that of the labels.

Once the labels are installed properly, push the ribbon lock lever (print head lock lever) to the locked position.



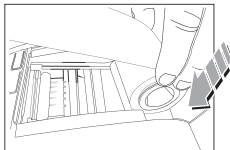
Remarks

Insert the front end of the label roll into the "label inlet slot" (with the label's front side down).

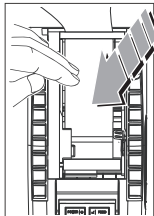
Press the "FEED" key (while slightly pushing the label roll into the slot by hand) until the label is loaded.



Insert the roll of printing paper as shown in the figure.



Insert the labels into the fixing slots as illustrated in the following figure.



The surface of the label to be printed should be facing downward.

Power On

Press and hold the power button of the printer for 2 seconds continuously to turn on the printer.

Power Off

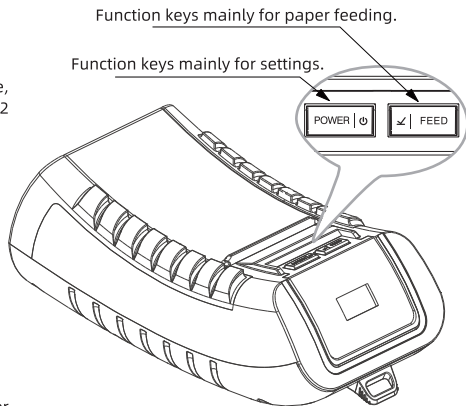
While the printer is in the powered-on state, press and hold the power button for 2 seconds continuously to turn off the printer.

Paper Feeding

Press the FEED key:  One label will be fed through.

Auto Power-off

The printer will turn off automatically after remaining in the standby state for a specific period of time.



Access the design interface: After powering on.

Power button: Switch options.

Feed button: Language.



Language:
ENGLISH/中文

Press the FEED key at this point to set the language variety for the operation interface.

Power button: Switch options.

Feed button: Density options.



Print density

(Lightest) 1-3
(Lighter) 4-5
(Normal) 6-9
(Darker) 10-14
(Darkest) 15

Press the FEED key here to set the clarity of printing.

Power button: Switch options.

Feed button: Speed options



Print speed

(Lightest) 1
(Lighter) 2
(Normal) 3
(Darker) 4
(Darkest) 5

Press the FEED key here to set the corresponding printing speed.

Power button: Switch options.

Feed button: Auto power-off



power-off mode

Press the FEED key to set the corresponding parameters for shutdown time, with options including "Never"/"10 minutes"/"20 minutes"/"30 minutes".

Power button: Switch options.

Feed button: Interval options



label type

(Lightest) Press the FEED key according to the label
(Lighter) type and select the corresponding label
(Normal) type.

Power button: Switch options.

Feed button: Interval options



AGC:

(Calibrating...)
(Calibration completed)

Press the FEED key according to the label type and adjust the printing interval.

*AGC: Automatic Gap Calibration

Power button: Switch options.
Feed button: MAC address



MAC address

Press the Power button and the MAC address of this printer will be displayed.

Power button: Switch options.
Feed button: Print self-test



Print self-test information

Display the information of the machine manufacturer.


Power button: Switch options.
Feed button: default settings

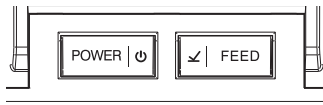


Default settings

Press the FEED key to reset factory settings.

Remarks

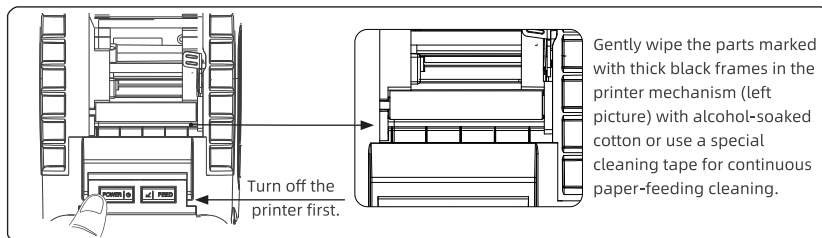
When the icon  appears in the upper left corner of the display screen, it means that the printer has entered the setting state.



- 1 POWER Button: Briefly press it after power-on to enter the setting interface. Then press the FEED button to choose options. Long press it after setting to confirm.
- 2 FEED Button: Press it to test if paper feeding is normal.

Routine Printer Maintenance

- 1、Clean the printer exterior and paper tray: Gently wipe the printer surface and paper tray interior with a wrung damp cloth. Ensure it's fully wrung.
- 2、Clean the printer mechanism: Clean it regularly, especially when print quality drops. The cleaning method is as follows:



- 3、If water gets inside the printer, turn it off at once, remove the battery and let it dry naturally.
- 4、If not using the printer for a long time, take out the battery and store it separately.

Use and storage of print consumables

- A. Keep the product at normal room temperature before it is opened.
- B. When pasting consumables, please clean the surface to be pasted.

Fault Diagnosis

Fault Phenomenon	Cause of the Fault	Resolutions
The printer prints blurrily.	The printer's movement has been contaminated by dirt due to long - term lack of cleaning.	It is necessary to clean the printer's movement. ①
	The printing consumables are defective.	1、 Please set the print density and print quality. 2、 Please use the standard consumables with a printing coating from the original manufacturer.
The printer beeps three times with short "ding...ding...ding" sounds.	The print head is not locked during printing.	Lock the print head.
The printed labels have become blurry within a few months or even weeks.	The quality of consumables is poor.	Please choose our company's high-quality labels and ribbons.
The printer shuts down automatically.	The printer shuts down automatically.	Please charge it immediately.

Note: Inferior printing paper can make the printer print blurrily in a short time.

Relevant parameters

Print parameters

Printing mode	Thermal transfer printing
Output mode	Monochrome
Print resolution	203dpi / 300dpi
Dots Per Line	384dot/line
Print speed	40mm/s
Standby time	500h
Communication Mode	USB/ Bluetooth
Positioning Method	Reflective Mode
Barcode printing	Support 1D/2D barcode
Connection Mode	Standard USB, Bluetooth, NFC

physical parameters

weight	850g (battery included)
size	200mm × 105mm × 70mm

Battery parameters

Category	Lithium - polymer Battery
Voltage	7.2V
Battery capacity	2200mAh

Charger Parameters

input	AC 100-240V 50/60Hz 0.35A
Output	DC 12V/1A
Charging Mode	Device - connected charging

Printer Paper Parameters

Types	Continuous/Segmented
Form	Roll form
Specification	54mm × 65mm (width × diameter)
Gauge	0.05mm~0.25mm

Battery Recycling

This product uses rechargeable lithium batteries.
For environmental protection, don't discard used
batteries randomly.



Attention - Printer Installation and Handling

- This product uses rechargeable lithium batteries. For environmental protection, don't discard used batteries randomly.
- Install the label paper roll in the correct way and pass it through the paper guide slot.
- Please make sure that the print head is in the locked state before paper feeding and printing.
- The print head is a precision and fragile component. Please avoid touching it directly with hands or hard objects.
- Please use the dedicated power adapter.



Precautions for the Print Head

Always turn off the printer's power supply before cleaning.

Since the temperature of the print head can become very high during printing, if you want to clean the print head, please turn off the printer's power supply for 2 to 3 minutes first, and then start the cleaning operation.

When cleaning the print head, be careful not to touch the heating part of the print head - the print head is extremely vulnerable to damage from factors such as static electricity.

Note that the print head must not be scratched or damaged in any way.

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