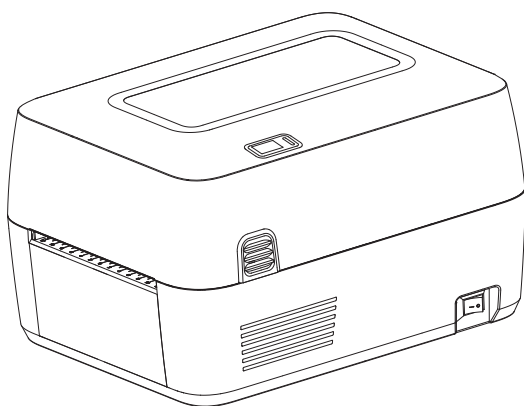


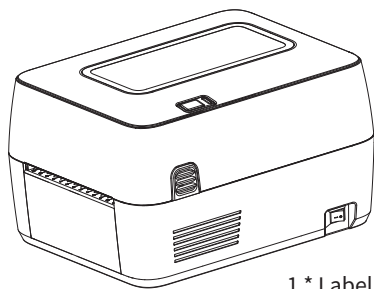


X1 User Manual

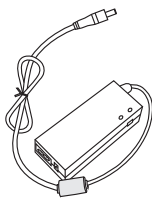


Before operating this product, please read this user manual guide carefully.

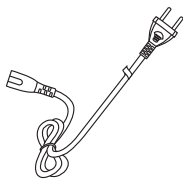
Package Contents



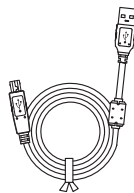
1 * Label Printer



1*Adapter



1*Power Cord



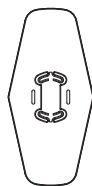
1* Data Cable



2 * Ribbon Shaft



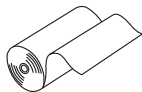
1 * Label Shaft



2 * Label Baffle



1*Trial ribbon

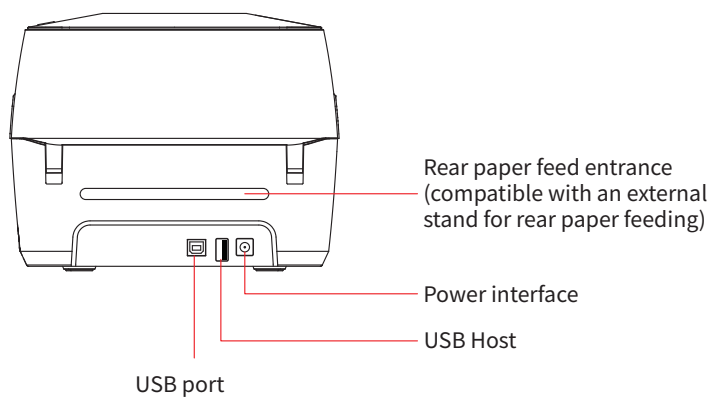
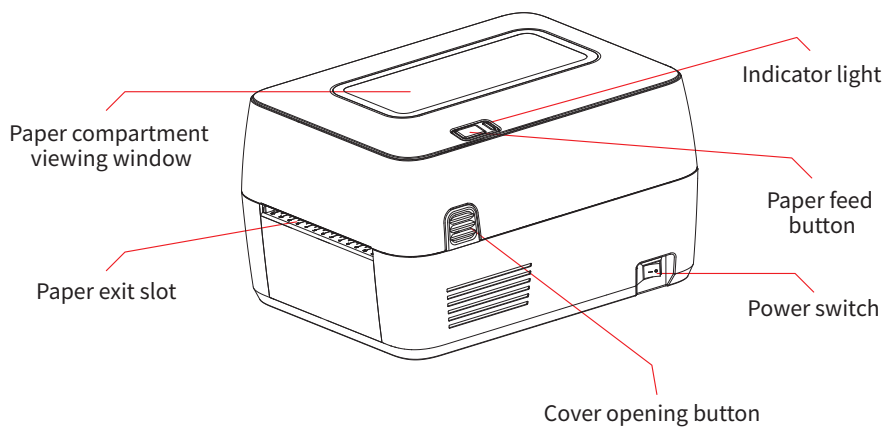


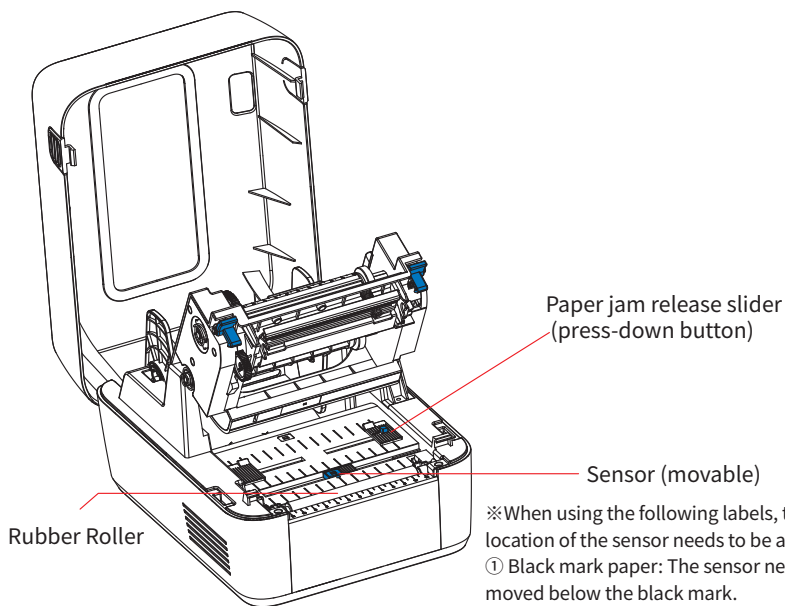
1*Trial label



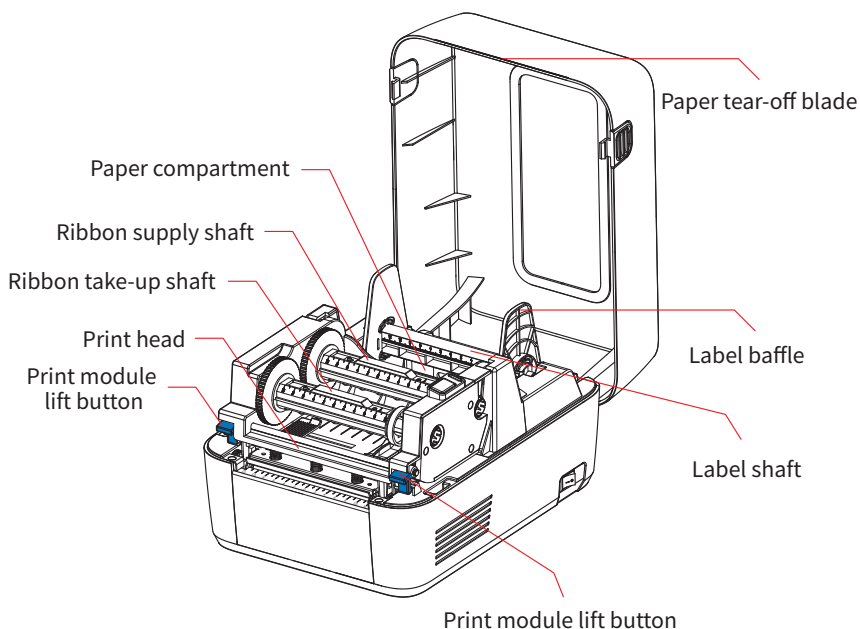
1*User Manual

Exterior Components





※When using the following labels, the location of the sensor needs to be adjusted:
 ① Black mark paper: The sensor needs to be moved below the black mark.
 ② Perforated paper: The sensor needs to be moved below the perforation.

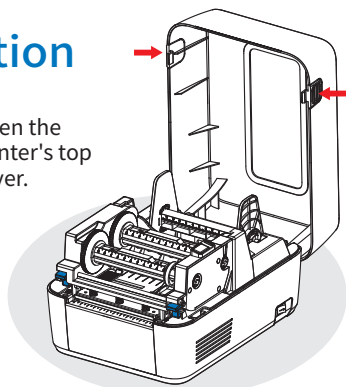


3 Paper Roll Installation

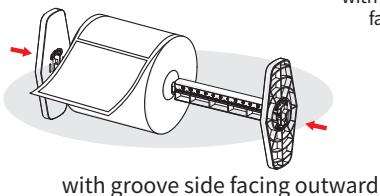


Scan to watch paper roll installation video tutorial.

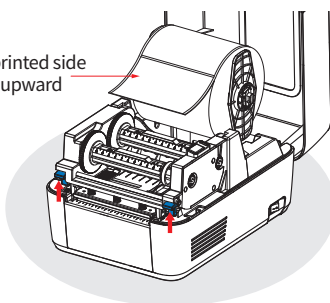
- 1 Open the printer's top cover.



- 2 Place the paper roll centered on the label shaft and secure both ends with label baffles (with groove side facing outward).
※ If the roll core is smaller than 25mm, the label shaft and baffles are not required.

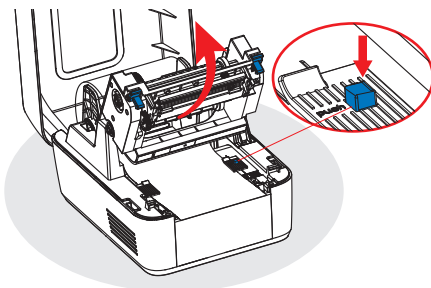


- 3 Load the paper roll into the paper compartment with the printed side facing upward, as shown in the figure.
- 4 Press the blue buttons at both ends of the print module to lift it up.



- 5 Pull the front end of the label through the print module and the rubber roller.

- 6 Press and hold the paper jam release slider and move it to lock the label in place.



4 Ribbon Installation

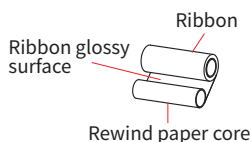
- 1 Follow the steps to install the ribbon, and snap the ribbon into the ribbon supply and take-up shafts as shown in the figure.

※If the ribbon roll core is a small core (13mm), no ribbon shaft is required. You simply need to snap it into the supply and take-up side.

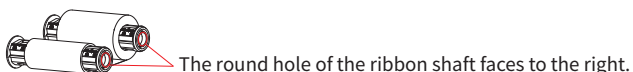
※Ribbons sold by merchants generally do not come with paper cores. Therefore, it's recommended to keep the empty paper cores for reuse.

※For thermal printing paper, no ribbon installation is necessary, and this step can be skipped.

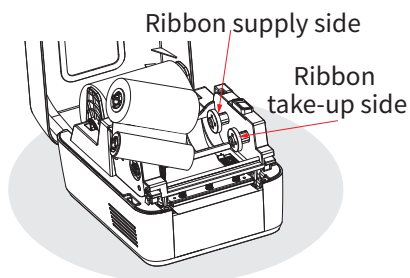
- 01 The ribbon is placed as shown



- 02 Insert the ribbon shaft from the left into the ribbon paper core and center the ribbon on the ribbon shaft.

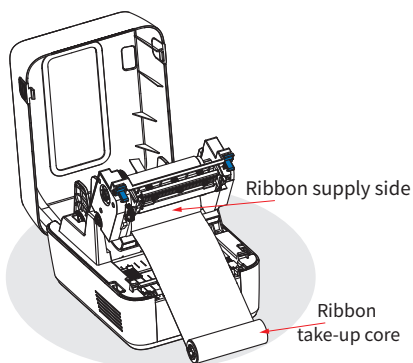


- 03 Snap the ribbon into the supply side.

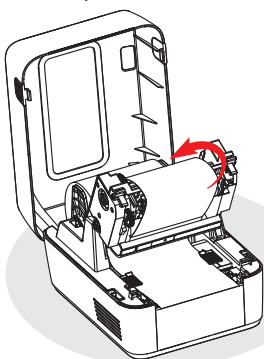


Scan to watch ribbon installation video tutorial.

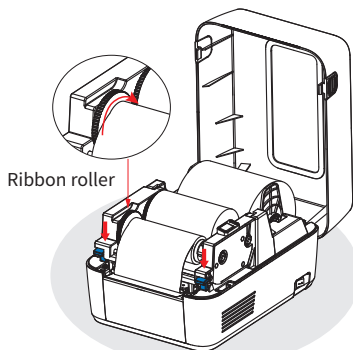
- 2** Gently press the lift buttons at both ends of the print module to raise the print head, then pass the ribbon take-up core through the print module.



- 3** Snap the ribbon take-up core into the ribbon take-up side.



- 4** Rotate the ribbon roller clockwise to tighten the ribbon, press the print module down with both hands until you hear a click.



Function Buttons

Button	Function	Operation Method
Power button	Power on	Toggle to "I"
	Power off	Toggle to "O"
Paper feed button	Feed one label	Click
	Paper detection (calibration)	Long press for 2s
	Pause printing	Click during printing
	Resume printing	Click while paused
	Cancel print job	Press and hold for 2 seconds while paused
	Print self-test page	Double-Click
	Feed 10mm	Click when paper type is continuous
	Continuous feed (release to stop)	Press and hold when paper type is continuous
	Change the printing mode	Press rapidly 3 times
Power button+ Paper feed button	Change the paper type	Hold feed button while off, then toggle power switch to "I"

Indicator Light Description

Indicator Light	Status	Light Status Description
Power indicator (blue)	Off	Not powered
	Slow blink	Bluetooth not connected
	Steady on	Bluetooth connected
Error indicator (red)	Off	Printer ready
	Slow blink	Pause printing
	Steady on	Print head not locked in place /lack of paper/lack of ribbon
	Fast blink	Print head temperature too high

7 Mobile Phone Connection

Preconditions for printing


The printer is powered on


The mobile phone's Bluetooth is switched on


The phone is within 2m of the printer

- ※ If a PIN is required for Bluetooth connection, you can enter 0000 or 1234.
- ※ Mobile printing is only supported via Bluetooth connection.

Installation of "Clabel trade" editing software

- 🔍 Search for "Clabel trade" in the APP Store(iOS) or Google Play(Android) and install it.



- 📱 Scan the QR code to install.



- ◀ Scan the QR code to view the printer connection video tutorial(Phone & Computer).

8 Computer Connection

Preconditions for printing


The printer is powered on


The printer is connected to the computer

- ⚠ Computer printing is only supported via USB connection and does not support Bluetooth.

Windows

Visit <https://ga.ctaiot.com/> to download software and drivers.

- ⚠ Download the driver from the above url and read the instructions on driver installation/software installation on the website.

Troubleshooting

The table below lists typical issues that general users might encounter and their suggested solutions.

If the printer still does not function properly after you have followed the recommended troubleshooting steps, please contact our after-sales team at Clabel.service@outlook.com for further assistance.

Problem	Possible Causes	Solution
Power indicator is off	① The AC outlet plug and the power supply plug are not properly connected to the printer. ② The printer power switch is not turned on.	① Check power connections and ensure that the AC outlet plug and the power supply plug are properly connected to the printer. ② Turn on the power switch.
Wrinkles appear on printed labels.	① The print head pressure is uneven. ② The label paper is not installed correctly. ③ The print density is improper. ④ The label paper is not fed correctly.	① Check if the print module is correctly installed. Press firmly on the print module until an audible "click" is heard to ensure it is locked in place. ② Reinstall the consumables (label paper/ribbon) properly. ③ Set an appropriate print density. A recommended density value is 8. ④ Adjust the label width adjuster to match the width of the labels.
Poor print quality	① The label is not installed correctly. ② There is dust or adhesive buildup on the print head. ③ The print density is not set correctly. ④ The print head is damaged.	① Follow the instructions to install label roll correctly. ② Clean the print head. ③ Clean the rubber covered roller. ④ Adjust the print density and print speed. ⑤ Print a self-test report to determine if the print head is damaged. If damaged, please contact our customer service with details for help. ⑥ Use suitable high-quality label paper. ⑦ Ensure the printing module is fully closed.
Paper skip during printing	① The label size setting is incorrect. ② The label sensor is obstructed by foreign matters, causing incorrect detection. ③ The printer's paper type selection is incorrect.	① Reset the label size to ensure it is correct. ② Remove any foreign matters between the sensors. ③ Verify that the selected paper type matches the actual label in use. If not, switch to the correct paper type.
Missing print content on both sides	① The label size setting is incorrect. ② The printer's max. effective print width is exceeded. ③ Ribbon width is smaller than the label width.	① Set the correct label size. ② Use consumables within the max. effective print width. ③ Use a ribbon that fully covers the label width.

Technical Parameters

Print Specifications	
Print method	Thermal, Thermal transfer printing
Max. print speed	152mm/s
Resolution	203dots/inch
Effective print width	108mm
Communication mode	USB, Bluetooth, USB Host
Max. print height	1000mm

Paper Specifications	
Max. label diameter	127mm
Paper type	Paper with gaps, continuous paper, folded paper, black mark paper, perforated paper.
Paper width (including backing paper)	20~120mm
Paper thickness(including backing paper)	With a max. compatibility of 250g hang tags
Paper core size	25.4mm~76mm
Paper winding form	External winding

Ribbon Specifications	
Max. ribbon outer diameter	70mm
Max. ribbon length	300m
Max. ribbon width	110mm
Ribbon core size	12.5mm/25.4mm
Ribbon winding style	External winding

Other Specifications	
Operating environment	5°C to 40°C, 20% to 90% RH (non-condensing)
Storage environment	-25°C to 55°C, 20% to 93% RH (non-condensing)
Thermal paper wear resistance	150km
Power supply	Input:AC 100V/240V Output:DC 24V/2.5A, 60W

Important Precautions

Printer Safety and Operational Guidelines

- (1) Do not disassemble the printer yourself. Please read this manual carefully before use.
- (2) During printing, do not open the ribbon module, as this may lead to unpredictable issues or even damage the printer.
- (3) The print head remains hot after printing, so do not touch it to avoid burns.
- (4) The durability of thermal paper prints depends on the quality of the thermal paper. To ensure the long-term preservation of printed documents and to guarantee the product's lifespan, please use high-quality consumables.
- (5) Avoid water or conductive substances (such as metal) from entering the printer. If this happens, immediately turn off the power.
- (6) Be sure to turn off power when performing routine maintenance on the printer.
- (7) Do not use tools such as tweezers to scratch the print head, rubber covered roller, or sensor surfaces.

Printer Cleaning

When the printer experiences any of the following situations, the print head should be cleaned promptly:

- (1) Unclear printing.
- (2) Vertical columns on the printed page are unclear.
- (3) Excessive noise during paper feeding.

The steps for cleaning the print head are as follows:

- (1) Turn off the printer power, open the top cover, and remove any paper and ribbon if present.
- (2) If printing has just finished, wait for the print head to cool completely.
- (3) Use a cotton swab dipped in alcohol with a concentration of 75% or higher to wipe off dust and dirt from the surface of the print head thermal film.
- (4) Wait for the alcohol to completely evaporate, close the top cover, and try printing again.

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Shenzhen, China
E-mail: Clabel.service@outlook.com



Made in China

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 1: 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 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance 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.