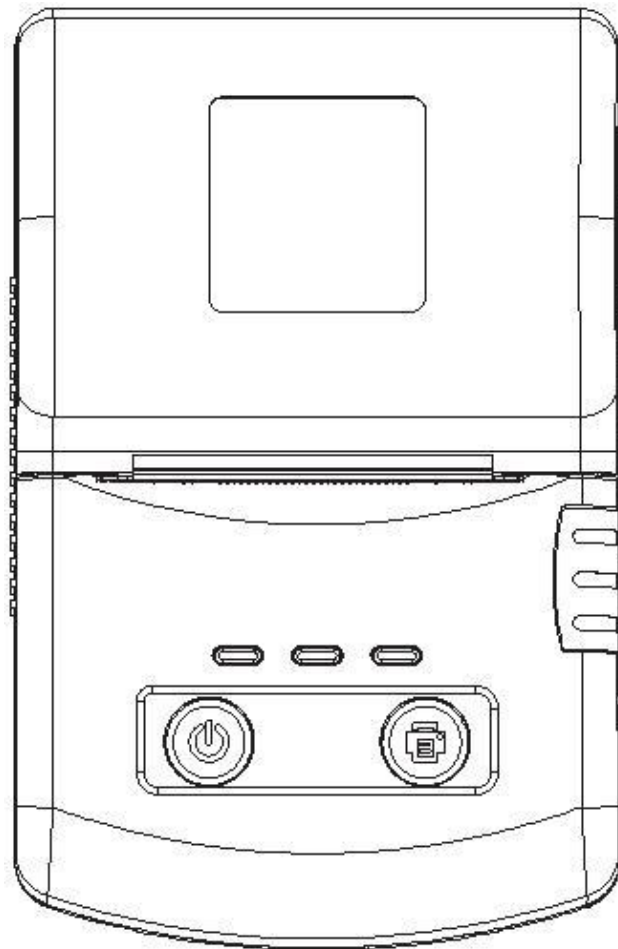


Two-inch Portable Thermal Label Printer

TP-210 Portable Label Printer

User Manual



Radio type approval code:

Bluetooth CMIIT ID

If consumers use a power adapter for power supply, they should purchase a matching accessory

Use a power adapter that is CCC certified and meets standard requirements

<https://www.tpl-label.com/>

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I. Product Introduction

1.1 Product introduction

Our company's two-inch portable thermal label printer is equipped with high-quality thermal print heads and advanced control circuits, complemented by a built-in high-capacity lithium battery, resulting in a compact and lightweight high-tech device. It offers several advantages: dependable performance, attractive appearance, and simple operation. Its application scope is extensive, encompassing the following areas:

- ❖ **Daily office**
- ❖ **Home storage**
- ❖ **Item identification**
- ❖ **Retail price tag**
- ❖ **Power industry**
- ❖ **Library management**
- ❖ **Warehouse management**
- ❖ **Nameplate identification**

1.2 Product features

- ✓ **Elegant, independent, generous and beautiful appearance**
- ✓ **Compact and lightweight design, easy to move freely**
- ✓ **Built-in battery, intelligent USB charging**

- ✓ **Label editing software for Android and iOS**
- ✓ **Simple, convenient, and content-rich label editing function**

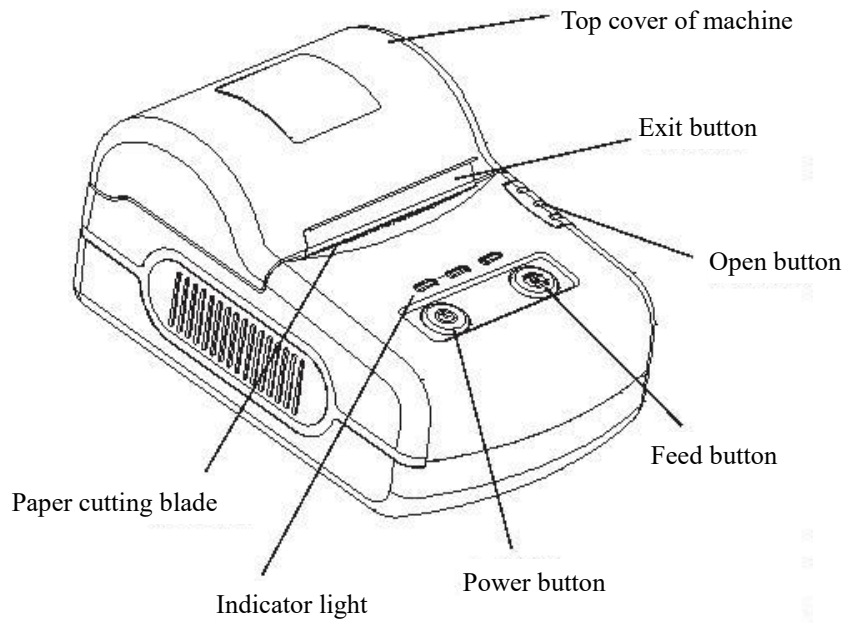
1.3 Product performance

Resolution	203DPI
Print method	Line thermal
Communication interface	USB + Bluetooth
Instruction set	TSPL, ZPL
Sensor	Gap sensor
Print speed	50mm/s (max)
Print width	48mm (max)
Memory	RAM 256KB
Flash memory	FLASH 8MB (extensible)
Barcode format	CODE-128, CODE-39, CODE-93, EAN-13, EAN-8, ITF, UPC-A, UPC-E, CODABAR
QR code format	QR-CODE, DATA-MATRIX, PDF-417
Character magnification/rotation	1-10x magnification/0°, 90°, 180°, 270° rotation/mirror printing
Character set	GB18030, BIG5, ASCII
Extended character table	PC437, Katakana, PC850, PC860, PC863, PC865, West Europe, Greek, Hebrew, East Europe, Iran, WPC1252, PC866, PC852, PC858, Iran II, Latvian, Arabic, PT151, PC747, WPC1257
Character size	English 9x17dot, English 12x24dot, Chinese 24x24dot

Consumable type	Gap paper, continuous paper
Consumable width (including liner paper)	20~50mm
Consumable thickness (including liner paper)	0.06~0.17mm
Outer diameter of consumables	50mm (OD)
Paper delivery method	Top paper delivery
Charging method	TYPE-C interface charging
Lithium battery specifications	3.7V/1500mAh lithium battery
Usage environment	Temperature: 0~45°C, humidity (non-condensing) 20%~95%
Storage environment	Temperature: -10~60°C, humidity (non-condensing): 10~95%
Forms of application	Print Label APP can be searched and downloaded on Xiaomi on-line shop, Google Play and App Store
Print head lifespan	50km (18.5% printing rate)
Product size	Length (130) * Width (85) * Height (65) mm
Weight	265g
Accessories (standard)	1. USB cable 2. Quick Installation Guide 3.Label roll *1
Product certification	CCC, CE, ROHS, REACH, SRRC, lithium battery certification (air-sea transportation, MSDS)

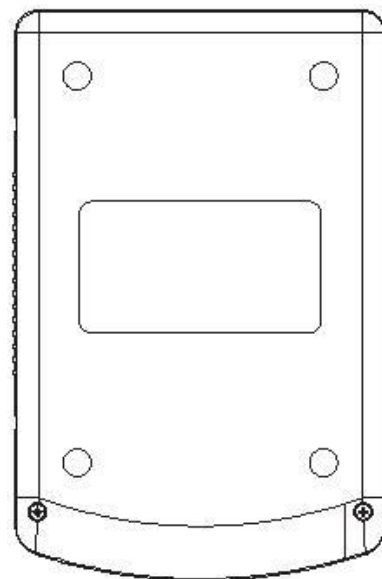
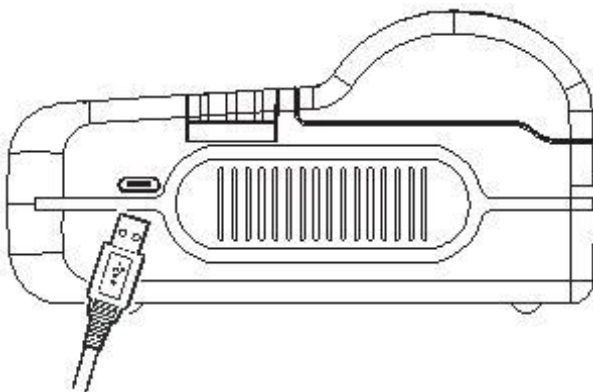
II. Description of Printer Parts

Front



Back

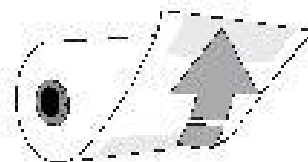
Side



III. Operational Instructions

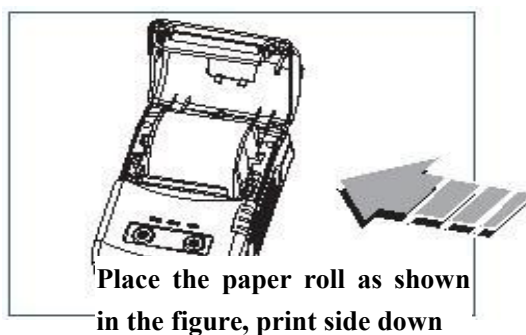
3.1 Install paper roll

① This machine is suitable for consumables with specifications not exceeding 57mm * 50mm and paper roll diameter not exceeding 50mm;



② Please load printing consumables into the paper bin of the machine as shown in the figure;

③ After adjusting the paper roll baffle to the proper width, close the top cover to print;



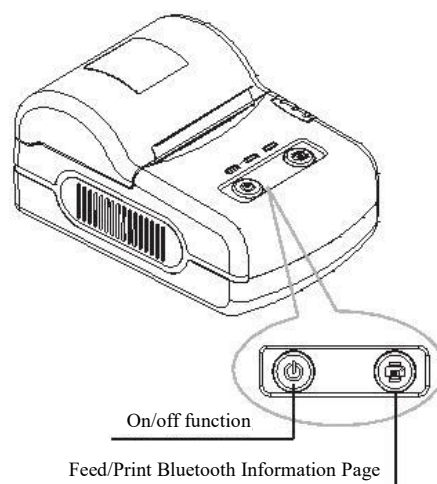
3.2 Bluetooth connection

① In the normal standby state of the printer, press and hold the "Feed/Print Bluetooth Information Page" button to print the Bluetooth information page;

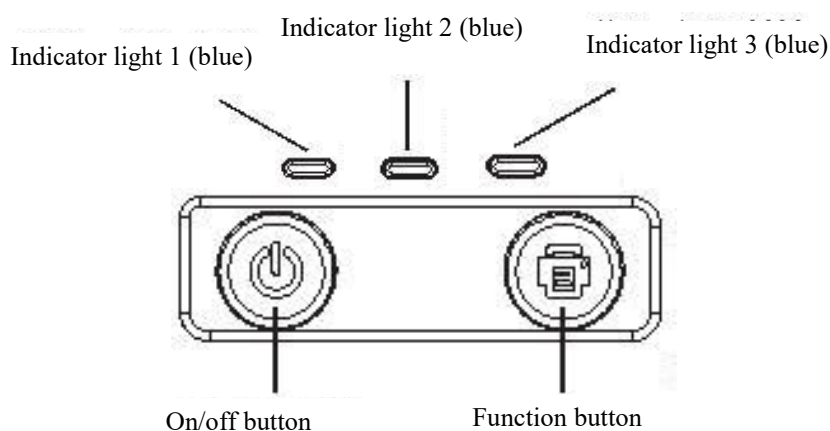
② The user uses our APP, searches for the Bluetooth name on the device search page, and clicks

Connect. The APP prompts that the connection is successful and the user can use it normally;

③ When Bluetooth is successfully connected to the printer, the buzzer beeps once as a prompt.



3.3 Description of indicator lights and buttons



3.3.1 Description of buttons

On/off	Press and hold the power button. After the buzzer beeps once, the printer turns on/off
Feed	Short press the function button, and the printer will feed the paper to print a label
Label positioning	After initialization is complete, short press the function button twice in a row to position the label and feed the paper to the label gap
Print Bluetooth information page	After initialization is complete, press and hold the function button to print the Bluetooth information page

3.3.2 Description of indicator lights

Fully charged	All lights are on
Sufficient charge	Light 1 and Light 2 are on, Light 3 is flashing
Low battery	Light 1 is on, Light 2 and Light 3 are off
Charge now	Light 1 is flashing, Light 2 and Light 3 are off
Auto power-off	All lights are off

3.4 Description of abnormal status

Out of paper/print error/other errors	Three indicator lights continue to flash until the error is recovered, and the buzzer beeps three times
Print head overheating	When the temperature of the print head is out of range, three indicator lights continue to flash, and the printing will stop during this time; Once the temperature drops, the alarm is lifted and printing returns to normal

IV. APP Download Address



Android



iOS

- ❖ **Please scan the QR code to download the printer APP;**
- ❖ **Please download "Print Label" APP from Xiaomi on-line shop or App Store**

V. Care and Maintenance

5.1 Routine maintenance of printer

- ◆ Cleaning of printer exterior and paper bin: Please gently wipe the surface of the printer and the interior of the paper bin with a wrung-out damp cloth. Note that the wet cloth must be completely wrung out;
- ◆ Cleaning of print head: Please make sure to clean the print head regularly, especially when the print quality declines. The cleaning steps are as follows:
 - ① Before cleaning, turn printer power off;
 - ② Gently wipe the print head with a degreasing cotton moistened with anhydrous alcohol.

5.2 Use and storage of printing consumables

- ◆ Store the product at room temperature before opening;
- ◆ Before pasting consumables, please clean the surface to be pasted;

Fault phenomenon	Fault cause	Solutions
When printing, only paper is fed and no data is printed	The label roll is upside down	Please install the label roll in a new direction
Print is blurry	The thermal sensitive film is contaminated	Clean the thermal sensitive film
	Poor quality of printing consumables	Please set the appropriate print density to improve print quality
Printed labels become blurred within a few months or even weeks	Poor quality of printing consumables	Please select and use original and high-quality labels
Printer shuts down automatically	Battery runs out	Please charge now
Printer beeps intermittently	Printer power is low	Please charge in time

VI. Precautions

- ✧ The printer should be protected from falling, strong shaking or impact;
- ✧ Do not use or store the printer in hot, humid and polluted places;
- ✧ The printer should be charged using a power source with an appropriate voltage, avoiding the use of large motors or other devices that can cause voltage fluctuations when charging from the same socket.
- ✧ The printer should be kept away from water or conductive materials (such as metal). In the event of any occurrence, turn off the power immediately.
- ✧ The printer must not print in no paper state, as this will seriously damage the print head and the thermal print head.
- ✧ If you do not use the printer for a long time, disconnect the printer.
- ✧ The user may not disassemble the printer for maintenance or modification.
- ✧ To ensure print quality and product life, it is recommended to use high-quality printing paper.
- ✧ When unplugging the connector, make sure there is no dust in the connector plug.

Please keep this manual in a safe place for reference.

▲Note: This printer does not include a power adapter. The input parameters of the printer are: DC 5V, 1A; please use a power adapter that has relevant certificates and meets relevant standards.

VII. Quality Assurance and Maintenance

7.1 Scope and duration of warranty

① The warranty is limited to product failure due to poor materials or workmanship.

② The warranty period shall be calculated from the date of purchase (based on the purchase invoice). If the customer is unable to provide an invoice, it should be calculated from the date of production of the product.

③ Warranty period:

A. Printer: one year.

B. The warranty covers the initial three-month period or a print length of 30,000 meters.

7.2 Principles of service during the warranty period

- Free repair of products under warranty and covered by warranty;
- Warranty card is required for warranty;
- Out-of-warranty repair services will be charged at the standard rate;
- The warranty is voided if the product is disassembled or repaired without our certification;
- The machine sent for repair must be packaged in its original packaging or in packaging with sufficient protection. Damaged shipping packaging is not covered under warranty;

7.3 Non-warranty terms

- ◆ No warranty card or warranty card altered;
- ◆ Failure to maintain the printer in accordance with the manual resulted in damage to the printer;

- ◆ The printer is damaged by water or foreign objects;
- ◆ The print head is damaged due to the use of excessively thick printing media;
- ◆ Print head damage caused by the use of inferior consumables;
- ◆ Damage caused by improper use environment or force majeure;
- ◆ Use the printer for purposes other than those for which it was intended;
- ◆ Damage caused by repairs not made by engineers;