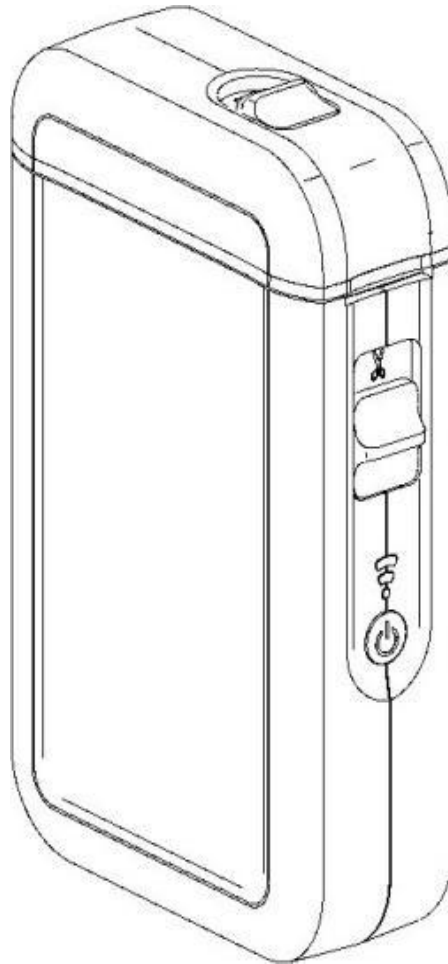


Half-inch Portable Thermal Label Printer

TP-110 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/>

Contents

I. Product Introduction	3
1.1 Product introduction	3
1.2 Product features	3
1.3 Product performance	4
II. Operational Instructions	6
2.1 Install paper roll	6
2.2 Bluetooth connection	6
2.3 Description of indicator lights and buttons	7
2.4 Description of abnormal status	7
III. APP Download Address	8
IV. Common Problems and Solutions	9
V. Precautions	10
VI. Quality Assurance and Maintenance	11
6.1 Scope and duration of warranty	11
6.2 Principles of service during the warranty period	11
6.3 Non-warranty terms	11

I. Product Introduction

1.1 Product introduction

Our company's 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 label**
- ❖ **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	12mm
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)	15mm
Consumable thickness (including liner paper)	0.12~0.26mm
Paper delivery method	Manual cutter for paper cutting
Charging method	TYPE-C interface charging
Lithium battery specifications	3.7V/1200mAh lithium battery
Usage environment	Temperature: 0~45℃, humidity (non-condensing) 20%~95%
Storage environment	Temperature: -10~60℃, 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 (80) * Height (33) mm
Weight	164.5g
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)

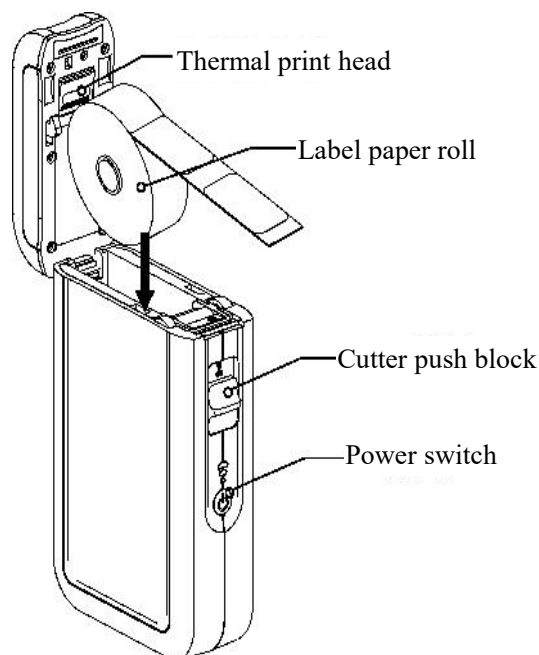
II. Operational Instructions

2.1 Install paper roll

① Push the switch on the printer cover to open the top cover of the machine;

② Install the paper roll in the direction shown by the arrow. Pay attention to the direction of the paper roll;

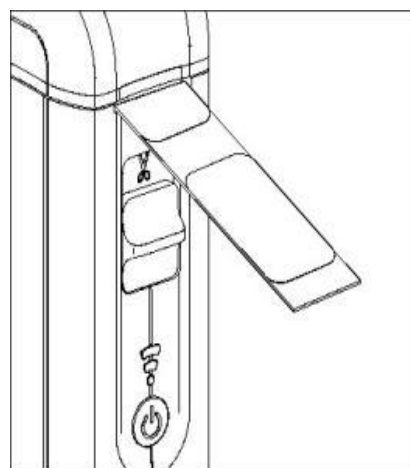
③ Pull out a sheet of paper to the outside of the machine in the direction shown in the figure, and then close the top cover to avoid misalignment of the paper roll;



2.2 Bluetooth connection

① Short press the button twice while the printer is in normal standby state 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;



2.3 Description of indicator lights and buttons

2.3.1 Description of buttons

Power switch	Press and hold the power switch for 3 seconds. The indicator light is on or off
Feed	Press the button to feed the label paper while the printer is in normal standby state
Print Bluetooth information page	Press the button twice while the printer is in normal standby state to print the Bluetooth information page

2.3.2 Description of power lights

Fully charged	All lights are on
Sufficient charge	Two lights are on and one light is off
Low battery	One light is on and two lights are off
Charge now	The indicator light flashes
Auto power-off	No indicator light

2.4 Description of abnormal status

Out of paper	The buzzer beeps twice when the printer is out of paper
Print head overheating	When the temperature of the print head is out of range, the buzzer will beep 3 times, and the printing will stop during this time; Once the temperature drops, the alarm is lifted and printing returns to normal.
Other errors	When other errors are triggered, the buzzer will beep 5 times

III. 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**

IV. Common Problems and Solutions

Continuous cutter	It may be that the adhesive from the label has adhered to the cutting blade. Please ensure it is cleaned thoroughly.
When printing a limited quantity of paper, the report indicates a gap detection error.	It may be that the user uses the APP to set the gap paper, but the printer installs continuous paper. Set the paper type to match the actual paper roll.
Print blank page	Please check whether thermal printing paper rolls are used and whether the paper rolls are reversed.
Paper detection and paper low	If the printer does not detect Out Of Paper; or the printer does not detect Out Of Paper and has reported Out Of Paper error; the user needs to set Out Of Paper threshold in the APP according to the instructions.
Blurred printing	Please check if there is any dirt on the thermal sensitive film. If there is any dirt, wipe it off with a cotton swab moistened with anhydrous alcohol. Please replace the thermal paper with one that has a quality guarantee to avoid inaccurate printing caused by the paper.

V. 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.

VI. Quality Assurance and Maintenance

6.1 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.

6.2 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;

6.3 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;