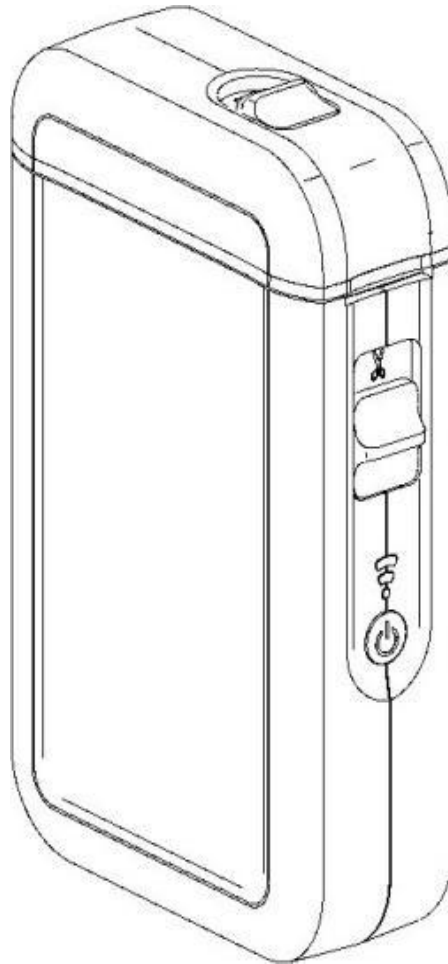


# Half-inch Portable Thermal Label Printer

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

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

<b>Consumable width (including liner paper)</b>	15mm
<b>Consumable thickness (including liner paper)</b>	0.12~0.26mm
<b>Paper delivery method</b>	Manual cutter for paper cutting
<b>Charging method</b>	TYPE-C interface charging
<b>Lithium battery specifications</b>	3.7V/1200mAh lithium battery
<b>Usage environment</b>	Temperature: 0~45°C, humidity (non-condensing) 20%~95%
<b>Storage environment</b>	Temperature: -10~60°C, humidity (non-condensing): 10~95%
<b>Forms of application</b>	Print Label APP can be searched and downloaded on Xiaomi on-line shop, Google Play and App Store
<b>Print head lifespan</b>	50km (18.5% printing rate)
<b>Product size</b>	Length (130) * Width (80) * Height (33) mm
<b>Weight</b>	164.5g
<b>Accessories (standard)</b>	1. USB cable 2. Quick Installation Guide 3.Label roll *1
<b>Product certification</b>	CCC, CE, ROHS, REACH, SRRC, lithium battery certification (air-sea transportation, MSDS)

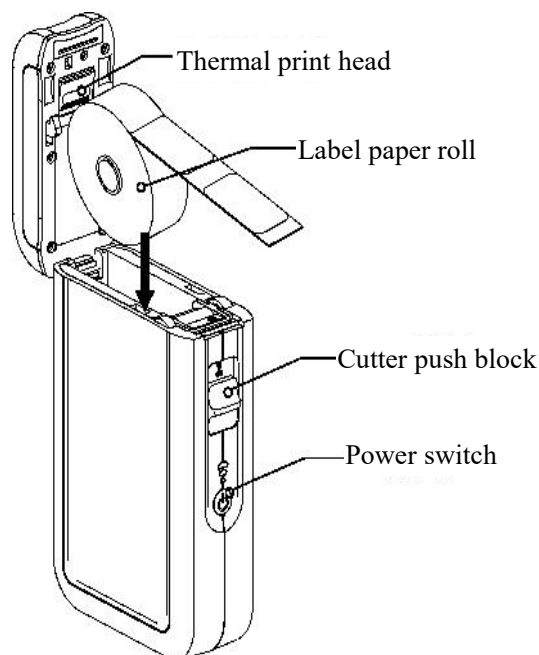
## II. Operational Instructions

### 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;

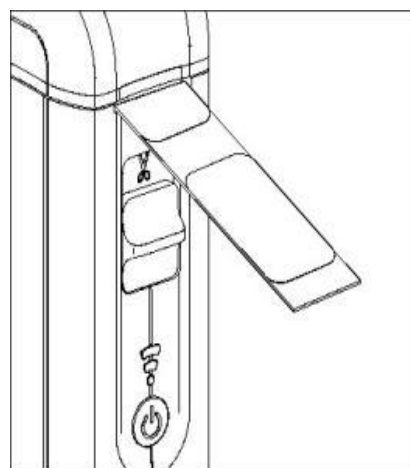
③ Pull out a sheet of paper to the outside of the machine in the direction shown in the figure, and then close the top cover to avoid misalignment of the paper roll;



### 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

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

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

## 2.4 Description of abnormal status

<b>Out of paper</b>	The buzzer beeps twice when the printer is out of paper
<b>Print head overheating</b>	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.
<b>Other errors</b>	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;