

# **58MM Thermal Receipt Printer**

## **User manual**



**Please read this manual carefully before using it, and keep it for future reference.**

## About this manual

Thank you for your purchase of our company's 58MM thermal printer.

This manual can help you learn to use this product. Please read this manual before use, and safekeeping, so that all the use of this product can read it.

### Safety tips:

◆ Do not disassemble the printer personally, Please read this manual before use.

◆ The printer should be installed in a solid place to avoid vibration or impact damage to the printer.

◆ Do not store and use the printer in the environment of high temperature, high humidity, and heavy pollution.

◆ When plug connection line, please make sure the printer power is closed.

◆ In order to ensure the quality of printing and the life of the product, please use the normal manufacturers' thermal paper.

◆ After printing, print head is still at high temperature, Please do not touch, to avoid burn.

◆ Please do not use dissolved substances, such as: benzene, thinner or alcohol wipe to clean the printer casing. At the same time, please do not use corrosive chemicals and detergent to contact printer. To avoid damage to the printer.

◆ The printer can't print in a paperless state, otherwise it will seriously damage the printing roller and thermal print head.

### Application Area:

◆ Electronic cash register POS system printing

◆ Electronic transfer system printing

◆ Sports, postal, civil aviation bill printing

◆ Query, service system bill printing

◆ Tax bill printing

**Package:**

- ◆Printer 1PC
- ◆Adaptor Power line 1 PC
- ◆Paper roll 1 ROLL
- ◆USB Data cable 1PC
- ◆Use manual 1PC
- ◆Driver CD 1PC

**Product Features:**

- ☐ Print quality is high, low cost
- ☐ Low noise, high speed printing
- ☐ Support raster bitmap printing
- ☐ Easy paper install structure, simple and convenient to operate
- ☐ Built-in power supply design, to save space and more convenient to configure;
- ☐ Support GB18030 big font, easy to print uncommon characters;
- ☐ Support multi language print, suitable for users all over the world;
- ◆Support download and print Logo and graphics ;
- ◆Support Windows, Linux, Android and IOS system printing
- ◆Built in data buffer, print and receive data at the same time;
- ◆Support character zoom, rotation, adjustable line spacing printing character;
- ◆The power consumption is small, and without ribbon cartridge, low use cost;
- ◆Compatible with ESC/POS instruction set;
- ◆With USB interface, Bluetooth interface optional;

## Parameters:

Items		Parameters
Print parameters	Printing Method	Thermal Line
	Printing Method	48MM
	Resolution	384dots/Line (8dots/mm, 203dpi)
	Printing Speed	70mm/Second
	Interface Type	USB,COM,Bluetooth, WIFI
	Line Spacing	3.75 mm (Can adjust line spacing by command)
	Line No.	Font A:32 character /Line Font B:42 character/Line Simple/traditional Chinese-16 lines
	Character	Standard GB18030 simplified/traditional Chinese Fonts
	Character Size	ANK character, Font A: 1.5×3.0mm (12×24 点) Font B: 1.1×2.1mm (9×17 点) Simplified/Traditional Chinese : 3.0×3.0mm(24×24 Dots)
Bar code & Character	Extended character set	PC437/Katakana/PC850/PC860/PC863/PC865/ WestEurope/Greek/Hebrew/EastEurope/Iran/W PC1252/PC866/PC852/PC858/IranII/Latvian/Ar abic/PT151,1251/PC737/WPC/1257/Thai/Vietna m/PC864/PC1001/(Latvian)/(PC1001)/(PT151,1 251)/(WPC1257)/(PC864)/(Vietnam)/(Thai)
	Bar code	UPC-A/UPC-E/JAN13(EAN13)/JAN8(EAN8)CO DE39/ITF/CODABAR/CODE93/CODE128
Graphics printing	Graphics printing	Supports bitmap download and print
Paper	Type	Thermal Roll
	Width	57.5±0.5mm
	Diameter	≤60mm

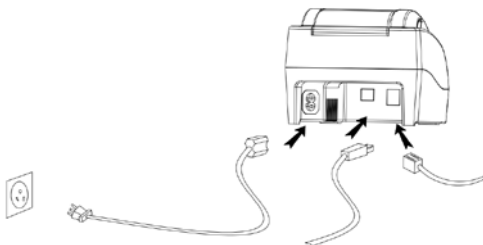
	Feed Method	Easy feed(Clameshell feed)
Commands	Commands	ESC/POS
Power	Power Adaptor	Input: AC 100V-240V,50-60Hz Output: DC 12V/2A
	Casher Drawer output	DC 12V/1A
Buffer	Input Buffer	32K bytes
	NV Flash	120K bytes (5pcs*24K Bytes)
Physical characteristic	Weight	590g
	Dimension	185*130*112(MM)
Environment	Working	Temp: 5 ~ 45℃ ,Humidity: 10 ~ 80%
	Storage	Temp: -10 ~ 50℃ ,Humidity: 10 ~ 90% (No dew)
Reliability parameter	Print Head Life	50KM (print density≤12.5)
Software	Driver	Android,IOS,Linux,Win2000,Win2003,WinXP,Win7,Win8,Win8.1,Win10

### Printer connection:

1 connect the power adapter cable to the printer power supply interface.

2 connect the USB data cable to the printer's interface.

3 the cashier drawer cable connected with printer interface .



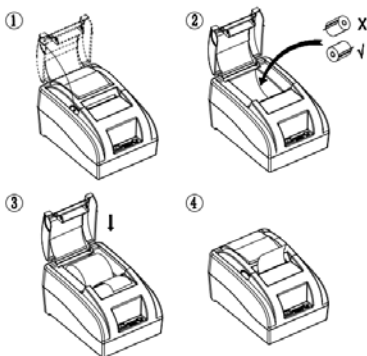
## Install the print paper

58MM series thermal printer using 58MM thermal paper, using easy paper structure, convenient to install paper.

1.thumb and forefinger pinch the flip cover front place , pull up to open the printer's flip cover.

2.Put thermal print paper in the paper holder according to the pic below.

3.Press down the flip cover



Note: take care of the roll direction, if reverse direction, the content won't be print out.

## Switch, key name, indicator and function:

### 1 POWER switch

The switch can turned on and off the printer power supply.

### 2 (FEED) key

Press the button can feed,

### 3 (STATUS) light

STATUS light long off indicates the printer is in the normal working state, STATUS light flashing indicates that the printer is short of paper, print head overheating or error and other abnormal conditions.

### 4 (POWER) lamp

The indicator light on indicates that the printer is connected to the power supply, this light off indicates that the printer power is off.

### **Self test:**

Printer self-test method are as follows: when the printer connected to the power adapter, press (feed) key and open the printer power at the same time, released the button after approximately 2 seconds, printers will print out current printer status and settings.

### **Switching between English and Chinese**

Connect the power adapter to the printer, then press the button (FEED) for about 4 seconds. During these 4 seconds, you will see the indicator light on and off. After that, release the button. Then the printer finished the Switching from current mode to another mode (For example: Chinese mode switch to English mode or English mode switch to Chinese mode). At the same time, the printer will print "You selected ASCII/Chinese Mode" on the paper.

### **Print density switch**

Connect the power adapter to the printer, press the button (FEED) for about 7 seconds. During these 7 seconds, you will see the indicator light on for 2 times(indicator light on ,and off, and on). After that, release the button. Then the printer finish the incresement on Print density. It will add a print density based on the former density.

### **Hex number system:**

When the printer connected to the power adapter, press (feed) key and open the printer power at the same time, released the button after approximately 6 seconds. The printer print out the words "Dump Hexadecimal".

### **Printer connection :**

#### **1.Windows driver installation**

Our driver is very convenient to install and use, click on the driver file, the next step directly... then can be used when installation

success, no need to configure the USB port.

## **2 Android system Bluetooth printer connect description (Bluetooth interface version applicable)**

- ☐ Turn on the printer power switch;
- ☐ Open the Android mobile phone (or PDA) Bluetooth, commonly used path: system settings - conventional - Bluetooth;
- ☐ Click "search Bluetooth" or "Refresh", in the "available equipment" will automatically search to the name of Bluetooth printer "Thermal printer";
- ☐ Click "thermal printer" and input pair code (factory default: 1234), click" finish "to achieve Bluetooth pairing;
- ☐ Go to the corresponding APP software to do printer settings or add Bluetooth printer then can be used;

## **3.IOS (Apple) system Bluetooth printer connect description (Bluetooth interface version applicable)**

- ☐ Turn on the printer power switch;
- ☐ Open IOS (Apple) system mobile phone (or tablet) Bluetooth, commonly used path: settings - Bluetooth (open Bluetooth can be, no need to be paired);
- ☐ Go to the corresponding APP software to do printer settings or add Bluetooth printer then can be used;

## **Printer Repair and maintenance:**

1. Printer external and warehouse cleaning: please use a wet cloth gently wipe the printer surface and internal paper warehouse.

2. Printer core clean: printer core must be clean on time, especially the quality of printing is decline, cleaning methods are as follows: put cotton dipped in anhydrous alcohol and gently wipe the printer core ceramic parts as shown in the picture below until clean enough.

3.If find water inside printer, please immediately disconnect the printer power, and dry the printer naturally.



## Failure Analysis:

Failure phenomenon	Failure cause	Solution
Printer status indicator flashing	1.Printer lack of paper 2.The printer head is too hot 3.The flip not closed well	1.Install paper correctly 2.Open the cover and dissipate heat fully then go on printing. 3. Cover the flip well
When the printer prints only paper run but not print	Print paper install reverse	Please install the print paper for a opposite direction
The printer print fuzzy	The print head not clean for a long time	Put cotton dipped in anhydrous alcohol and gently wipe the printer core ceramic parts until clean enough
There is no response of printer	The power adaptor not connected	Please check power adaptor is connected well or not,power switch is turn on or not
Printer can self test, but can not print online	Driver port selection error	Please select the correct print driver port based on the actual connection port