

Portable Thermal Printer Instruction Manual



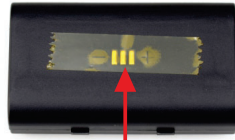
Install Password: 1234
Android BT APP

Version November, 2020

Notice :

Thanks for using our Portable Printer !

To ensure the safety of storage and transportation, we stick an insulating tape on the metal of the Li-Ion battery . Please kindly take off the insulating tape before its firstly turning on.



Insulating tape

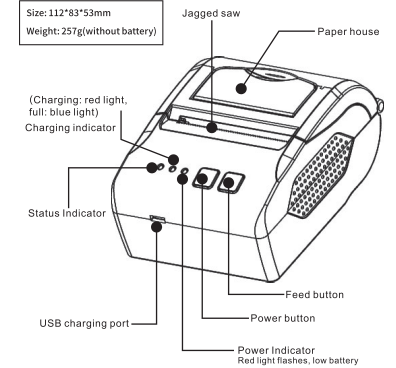
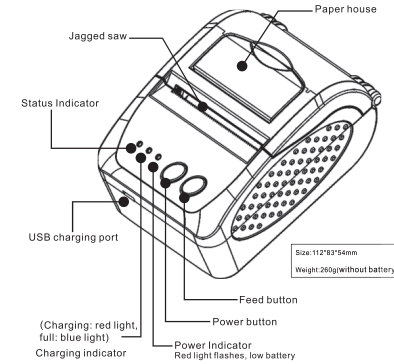
Warm tip: Please seal the battery and pay attention to the garbage classification when discarding it to avoid the environment pollution .

1.Specification

PrintingMethod: Direct Thermal
Speed: ≤90mm/sec
Reliability TPH Life: 100km
Resolution: 203DPI (8dot/mm)
Printing Width: 48mm (384dot)
Paper Width: 58±0.1mm
Roll Diameter: φ ≤43mm / φ ≤50mm
Paper Type: Thermal Paper
Power: rechargeable lithium battery
Battery: 7.4VDC, 2000mAh
Charging mode: USB 5V/2A
Print parameters: support to download the Logo trademark, support bar-code print.
Support bar-code types: UPC-A/UPC-E / JAN 13 (EAN13) / JAN8 (EAN8) / CODE39 / ITF / CODABAR / CODE93 / CODE128 ; Two-dimensional code: QR CODE
Character size: 384 dots/line
FontA: 12*24dots, 1.5(W)*3.0(H)mm
FontB: 9*17dots, 1.1(W)*2.1(H)mm
FontC: 9*24dots, 1.1(W)*3.0(H)mm
Simplified/Traditional: 24*24dots, 3.0(W)*3.0(H)mm
Printing Chinese character: Chinese: simplified Chinese 24x24 point, support GB18030 font library, support Taiwan and HK traditional (complex font)
ANK: ANK characters
Language: support for multiple languages (Support Traditional, Korean, Japanese, etc. must be instructed before purchased) Extended character table:
OEM437/Katakana/OEM850/OEM860/OEM863/OEM865/West Europe/Greek /Hebrew/EastEurope/Iran/WPC1252/OEM866/OEM852/OEM858/Iran I / Latvian/Arabic/PT1511251/OEM747/WPC1257/Vietnam/OEM864/Hebrew/WPC1255/Thai

Emulation: ESC/POS command
Interface: USB, Bluetooth 2.0&4.0(option)/SPP agreement or infrared/IRCOMM agreement (optional)/Android up to 4.0 operation system.
Driver: Win2003/Win2000/Win7/WinXP/VISTA/WIN8/Win10/LINUX
Working Temperature: -10~50℃ ; Humidity: 10~90%

2.Appearance



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4.The installation of the paper roll

The printer use 58MM thermal paper, and adopt to easy paper loading. So the paper is very convenient install.

Paper diameter Max 43mm.

Thermal paper installation method is as follows:

- Open the printer top cover
- Thermal Paper as follow Graph to put into paper storehouse



- Put out a little of the paper outside printer, then close the top cover.
- Use paper sawtooth tear off redundant paper

Button Operating Instructions

POWER (Blue Light)	ERROR (Red Light)	Printer Status
OFF	OFF	Printer Close
ON (Always)	OFF	Printer open and have paper
ON(Always)	Flash	Printer Open, without paper
Under the normal working status, the paper feeding begins when press FEED button, and stop when loosen FEED button.		The printer paper feed
Power off the printer, then hold down the [FEED] button and press the power button at the same time. Wait 2 seconds, then loosen the [FEED] button, the current setting will be printed out.		The printer Self test
Power off the printer, then hold down the [FEED] button and press the power button at the same time. Wait until the power indicator & [ERROR] led are both on, and then [ERROR] led goes off, then loosen the [FEED] button, the language setting status will be printed out.		Transformation in both English and Chinese

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5.Operating Manual for Android OS

Note: If you donot find the instruction of interface, please kindly reference the electronic manual in CD.

Part 1 :

This manual applies to all of our android OS compatible printers (both 58mm & 80mm width printer)Currently, the common communication ports we used for android OS are Bluetooth

If you want to use Android Device connected with our printer, first of all make sure that printers can be supported Android Operate System, proceed as follows (Bluetooth as example).

Step 1 :

- Insert the CD driver disc into the CD-ROM, connect your Android device with your computer;


Step 2 :

- Find the File Named " SDK" from the CD driver. Then follow the path : " Android SDK---BLUETOOTHDEMO ---bin---BT-POSPrinter.APK " , and install it into your Android device.

Step 3 :

- Connect your Android device with your printer once the installation done .

Step 4 :

- Find this icon  on the Android device, and click "Connect Printer" to search the Bluetooth printer, (Default pairing password for Bluetooth connection is " 1234") . After the connection successfully, click on the "Print Test Page", the printer will work

Part 2 : Operation instructions

1. Open the installed demo

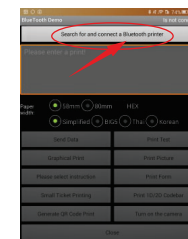
If you installed a Bluetooth demo, click "POSPrinter-BT"



2. After opening the DEMO, you need to connect the printer.

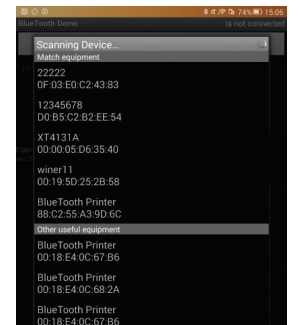
When the port what you connected is Bluetooth

Click "Search and connect Bluetooth printer"



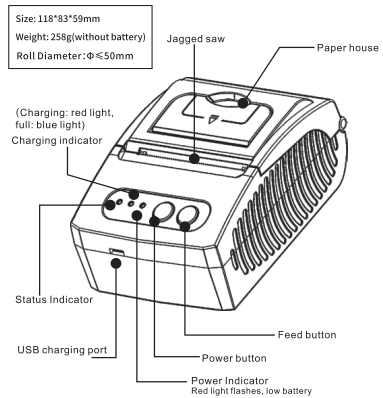
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If you need to search for new printers again, click "Scanning Device" and select the printers you want to add.



Enter the pairing code, the default is 1234 or 0000, click "OK".

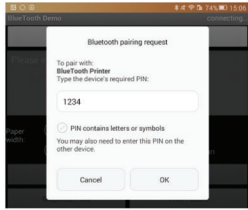
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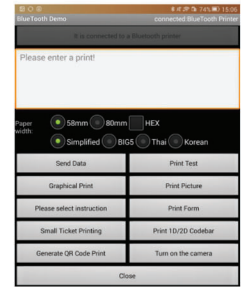
3.Communication Interface

- Bluetooth 2.0/4.0 : standard Bluetooth 2.0/4.0 Communications Protocol
- USB : standard USB Communications Protocol

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The connection is successful, as is shown:



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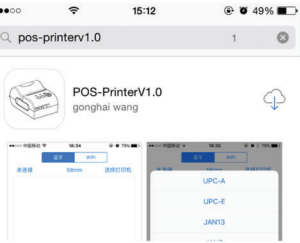
8. General Troubleshooting

1. Self printing test is ok, but printer does not work after driver installation.
A: Recheck the installation according to above installation wizard and see if we selected the right port or ask service center for advice if needed.
2. Malfunction of paper feeding?
A: Use soft brush to clean the paper sensor and try again or send it to the service center for repair.
3. Malfunction of the indicator light
A: Check the cable connecting way / adapter / power cord / switch on or off? Or contact the service center for repair.
4. Messy code printing except Arabic numeral printing.
A: language switching incorrectly, please use our tool "Printer" (you can find it on the enclosed CD) to change the language what you want print.
5. Red indicator keep flashing during the printing.
A: Usually it is due to the high temperature of the print head. If printing stopped, please contact the service center for repair.
6. Printing speed is very slow for serial printer
A: follow this path and change the set accordingly : Driver -- Properties -- Device Settings -- Print Mode -- Print as soft font.
7. Water or other liquid spills into the printer
A: Cut off the power, we can dry the main board or printer head with a hair dryer, careful of the temperature (average 50 degree is ok)
9. The printer can't work
A : The battery maybe without electricity, please use power adapter to charge. Then you try to star the printer, if the printer has same problem, please send to service center for repair.
10. Can not search the Bluetooth printer
A : Please check the equipment "Bluetooth" function whether opened, the communication whether normal, then replug the printer "Bluetooth Module" try to connect and search "Bluetooth" again, if the problem are still existed, please send the specified location repair.

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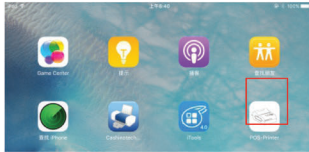
6. Operating Manual for IOS APP

1. Download the Test Tools "POS-PrinterV1.0" from App Store, as below:



(Image 1)

2. Turn on the Bluetooth setting of IOS device, then click "POS-Printer":



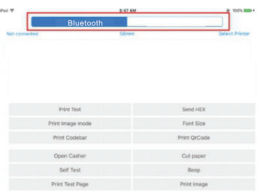
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3. Into the App of "POS-Printer", select the paper width as below:



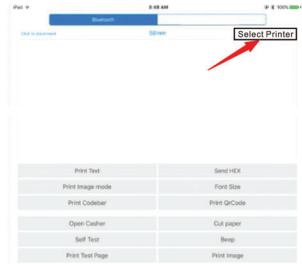
(Image 3)

4. Select the way of communication of printers, "Bluetooth"



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5. If connect with Bluetooth, then you can click "Select Printer" first, you will search the "Bluetooth Printer" (the default name of printer is Bluetooth Printer), click it to be connected.



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7. Cleaning of printer head

Cleaning of printer

- When the printer has the following conditions, you should clean the printer head:
- ① The printer does not print clearly and the thermal paper is Ok.
 - ② The printer Print pages lengthways is not clear
 - ③ It's getting too noisy while feeding paper or printing.

Printer head cleaning steps are as follows:

1. Power off the printer and open the paper room cover. Remove the thermal paper roll.
2. If the printer just finished printing, please wait for the print head to cool down.
3. With a soft cotton cloth dipped in ethanol (please make sure there is no dripping), wipe the thermal printer head gently and remove any dust or stains.
4. Wait for the complete evaporation of any ethanol, then place the thermal paper roll back in the printer and close the paper room cover, then print a test page.

Notes :

- When the printer maintenance must ensure that the power is shut down
- Hands or other metal tools away from the surface of the printer head, do not use tweezers to scratch the surface of the printer head and other sensitive parts.
- Do not use gasoline, acetone and other organic solvents for printer head cleaning.

FCC Caution:

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.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: 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.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.