AEM2BT
Bluetooth Thermal Receipt Printer (2 Inch/58MM)

BLUPRINTS
INNOVATIONS IN BUSINESS MOBILITY
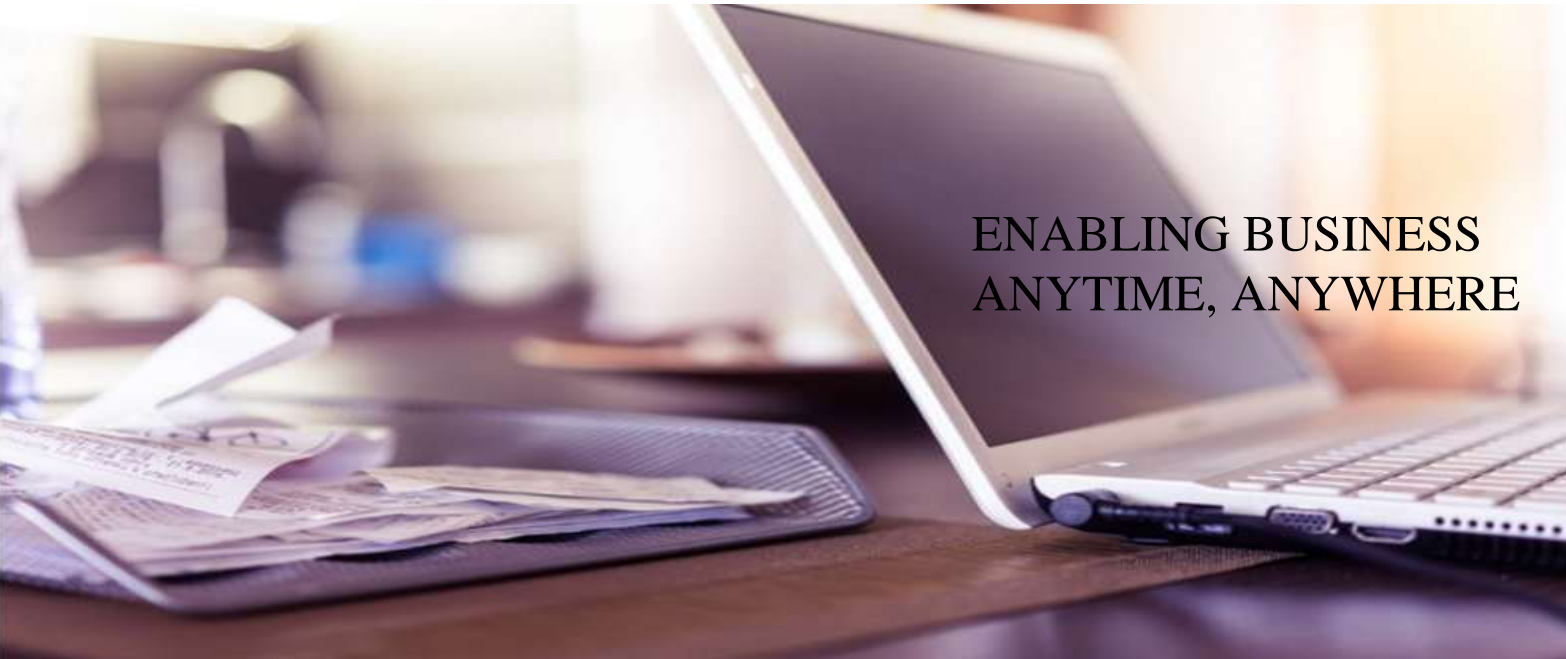
ENABLING BUSINESS
ANYTIME, ANYWHERE

USER MANUAL

BluPrints- Smart Thermal Receipt Printers

BluPrints is a fast-growing technology firm in the electronics space delivering high performance consumer, business-to-business, and industrial products & solutions like Thermal Printer, Barcode Printer, Bluetooth Printer, POS Printer, Receipt Printer, Billing Printer, Bill Printer, Bluetooth thermal printer, Thermal Receipt Printer, handheld printer etc. Reliable and easy to use, these you state-of-the-art Mobile Thermal Printers deliver on-demand receipt/label printing anywhere, anytime.

We set up with the vision of creating an Indian Electronics Product Company, that develops world class cost competitive solutions for the Indian market which is currently in need grassroots level innovation out of India. Our strategic intent is to empower business and society with world-class Indigenous technology platforms and tools used every day for simplifying lives.

About Printer

We are an R&D driven company with the vision to provide innovative, agile and customized product solutions to our customers.

BluPrints specializes in Smart Printing Solutions. Reliable and easy to use, these state-of-the-art Mobile Thermal Printers deliver on-demand receipt/label printing anywhere, anytime.

BluPrints Thermal receipt printers are compact, durable, and easy to setup-use-maintain. This high speed, high resolution print & image printing devices are designed to keep up with your high business demand. Designed for wireless compatibility with platforms across all operating systems and compatible with virtually every connectivity mode.

Ideally for application that require 'on the go' printing such as Banks & NBFC, Financial Inclusion, Sales & Distribution, Healthcare (Diagnostics & Medical Prescription), Retail, Smart Parking, Toll, Transportation, Logistics, Hospitality, Utility Billing (Electricity, Water, Cable etc)

Know Your Device

MODE
FEED
ON/OFF
Printer Series

USB/UART Port
DC Jack

Paper Cover
LED's
Thermal Paper Roll

	Function	**Description**
Power Switch	ON/OFF	Press button for a second, printer turns ON/OFF.
Mode	Printer Configuration	On button press, you will get details of printer (e.g. Printer Name, Battery Status, Communication Mode, Font,Version etc.)
Feed	Paper Feed	When pressed, the motor that connects the paper roller starts rotating.
LED	LED Indications	Communication, MSR/SMR, Error, Charging, Low Battery
USB	USB Interface	You can connect printer with Tab/ Phone or windows PC via USB
DC Jack	Power Adapter for battery charging	9V/2amp adapter provided for charging the battery.
UART	Serial Communication Port	Device can communicate using serial Cable

ACCESSORIES

Software Development Kit   USB Cable   Battery Charger   Carrying Pouch   Support Apps   Thermal Paper   Battery

Functionality And Indications

a. **ON/OFF**: To Switch On or Off the printer press the button for 1 second only.

b. **Mode Button**: Press Mode button for 1 second, a configuration receipt will print contains:
   i. Firmware Version
   ii. **Font Type**: Printer supports 4 type of fonts – Calibri, Tahoma, Verdana and Normal.
   iii. BT Name is the Bluetooth name which will display on your phone/ tab e.g. BTprinter1234.
   iv. **Communication**: This indicates the communication options available in your printer like:
   Bluetooth/USB/WIFI/UART
   v. **Battery Status**: You can check the battery status. When battery goes down to 25-30%, please charge the printer (for 3-4hrs).

c. **Feed Button**: On pressing this button you will get one line space in receipt print.

d. **Printer Series**: Every printer has unique id e.g. PPB1704123. This series is important for warranty of the device as this series indicates the year and month of the device release/dispatch.


Month

PPB 17 04123

Year   **BT/Printer Name**
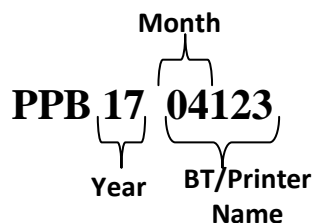
e. **LED Indications**:
   i. **COMM**: This LED indicates the communication between printer and your device. When printer turns ON, the "Comm LED" starts blinking which indicates that Bluetooth is ON and once the connection gets established between printer and application the LED stops blinking and become static.
   ii. **MSR/SMR**: This LED glows whenever you swipe the MSR card (only for MSR model).
   iii. **ERR**: This LED glows when:
       1. The printer has Low battery
       2. You are sending print command and paper roll is not there.
       3. You are sending print command and paper roll is not placed properly. In this case paper roll should be placed in such a way that printer head can detect the paper as shown in figure given below.
   iv. **CHG LED**: This LED glows when you plug in the charger.
   v. **Low Bat LED**: This LED glows when the printer has low battery.

Installations

Battery Installation

Place the battery at the bottom side of printer as shown below and press the lock twice: Firstly press inside and then push in upward direction.

Battery Installation

Battery Removing
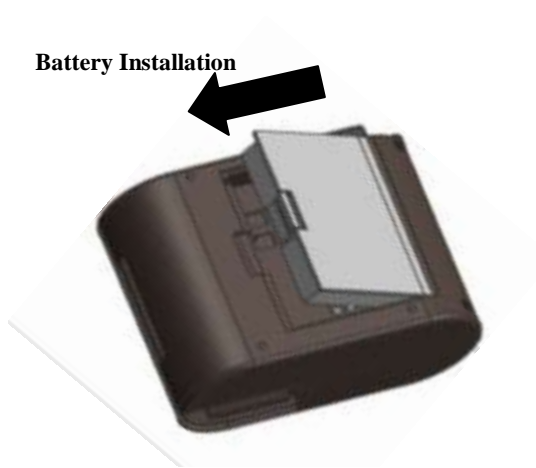
Thermal Paper Roll Installation

Thermal Paper roll can print only on one side. To identify the right side scratch the paper roll on both sides, the side which turns black is the right (thermal) side. Keep the paper in such a way that thermal side of the roll should be in contact of rinter head.

<u>Care Instructions</u>

- Use original BluPrints charger to ensure better charging & longer battery life.
- Use good quality thermal paper roll (75 GSM) & recommended paper size rolls for better print quality. Other paper types can cause jams and potentially cause damage.
- Ensure the paper is loaded properly to print on the thermal side. Thermal paper only prints on one side.
- Avoid contact with water or any conductive material (such as metal). In case such a thing happens just switch off the device immediately and get in touch with customer support.
- Ensure that print command is given only when the paper roll is present in the printer otherwise it might lead to damage to the printer head.
- Keep the printer cover closed always to protect it from exposure to dust & sunlight exposure. Do not try to dismantle the device on your own.
- Keep the printer head dust free. You can use cotton pads to clean the printer head.
- Keep the printer away from devices like microwaves that can obstruct Wi-Fi or Bluetooth signals.
- Turn Off the printer when not use it for long time periods.

<u>Precautions:</u>

- Be sure not to print continuously over 1 meter, otherwise may cause damage to the printer head.
- Water or other liquid should not spill into the printer, also the printer should not be appeared in the rail, or else may cause printer damage.
- Please do not open the paper case cover or touch the paper roll while printing or feeding; otherwise the printer may work improperly.
- If print with serial interface, should not unplug the interface cable in the course of printing, or else some printing data may be lost.
- When print with Bluetooth interface, the communication distance should be within 10 meters, otherwise the printer doesn't print or prints rubbish codes.
- Too high (50℃) r too low (10℃) temperature and too high (80%) or too low (20%) relative humidity both effect the quality.
- The Print paper in poor quality or stored for too long time also may reduce the print quality even damage the printer.
- Be sure to use up the power of the battery before charge it, as it can ensure the using life of the battery.
- If the printer will be stored for a long time, please be sure to take out the battery, otherwise may damage the battery and printer.
- Normal thermal paper can't be kept too long time, if you need to keep the receipt for a long period, please choose long term effective thermal paper.

- When charging, use a specified charger (Bluprints Charger). Other conditions (high temperature, high pressure/high current, using the modified battery charger, etc.) excludes here may result in over-charging the battery and abnormal current and/or voltage, cause abnormal chemical reaction, and may cause the battery overheat, light and/or explosion.
- Do not overcharge the printer

General Maintenance

1. **Clean the printer head**
   When one of following cases occurs in the printer, should clean the print head;

       a. Printing is not clear or faded.

       b. Some columns on the printed page are not clear.

       c. Feed paper creates noise.

   Printer head cleaning procedure

   1. Turn off the printer, open the cover ad remove the paper roll.
   2. If you have just finished printing, wait for the print head to cool completely.
   3. Now dip the soft cotton in petrol/spirit and clean the thermal printer head to remove the dust.
   4. Wipe again with dry cotton cloth and re-test printer.

2. If the printer will be stored for a long time, please be sure to take out the battery.
3. Keep the printer in safety case pouch to protect from dust.

Warranty: 1 Year Factory level warranty against manufacturing defects only

The warranty period starts at the time of Product's original purchased, and the date of invoice issued to the customer. The Product may consist of several different parts and accessories may covered under 12 months warranty period.

How to get Warranty Service.

If you wish to make a claim under the Limited Warranty, you may call the help Line (where this is available and please note national rates apply to calls) and/or where necessary, return your Product or the affected part (if it is not the entire Product) to our designated service location. Information about, our designated service locations can be found at our website (www.bluprints.in). You must return your Product or the affected part (if it is not the entire Product) to our designated service location before the expiry of the Warranty Period.

Note: If the warranty period is over, service charges and replaced parts charges shall be applicable.