

PP-38T5_sz(Fine Abridged ver.)
Bluetooth Portable 3" thermal printer
User Manual



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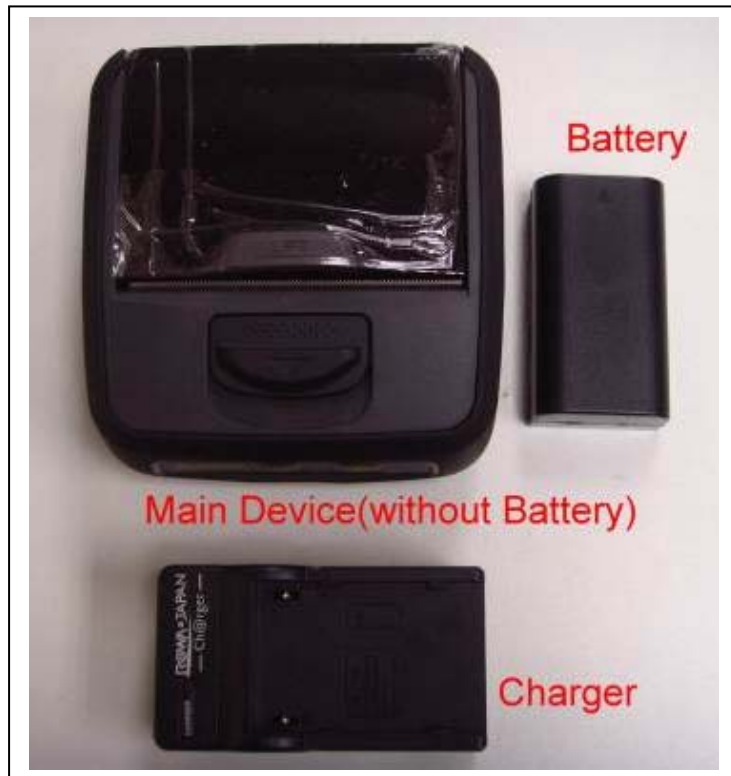
Chapter 1 Introduction

1-1. ALL PARTS

Basic Parts

1. Printer
2. Battery
3. Charger

(Default Pack)



Accessories Parts

3. Charger
4. Belt
5. Holster



1.2 PRINTER OUTLOOK AND FIGURE QUICK VIEW

1. Fig1 Front View and Control Panel
2. Fig2 Left Side View
3. Fig3 Back View
4. Fig4 Inside of Paper Case Cover
5. Fig5 Battery Case

1.3 SPECIFICATION

Dot structure	576 dots/line
Dot pitch	0.125 mm (8 dots/mm) dot density
Effective printing area	72mm
Paper width	80mm
Number of columns	ANK 48 columns/line (maximum 12x24 dot font)
Printing speed	Maximum 80mm/sec
Interface	bluetooth, rs232
Operating temperature	0° C to 50° C
Operating humidity	20 to 85% RH (no condensation)
Storage temperature	-10 to + 70° C
Storage humidity	5 to 95% RH
battery voltage	7.4VDC/2600mAh charge
voltage	9 - 15VDC
Channel number	79 Ch(1MHz
Spacing) Frequency Rang	2402 ~ 2480
MHz	
Max. Output Power	4 dBm
Modulation Type	FHSS
Data Rate	1Mbps (GFSK), 2Mbps (π/ 4DQPSK), 3Mbps (8DPSK)
Antenna Type	Ceramic Chip Antenna
Character:	Alphanumeric characters, extended graphics, international characters,12x24 font
Bar-code	1D Barcode:EAN13,Code 39,CODE128 2D Barcode:PDF417(By WINDOWS-XP DLL)
Certificate	IP53
Drop Test	1.2M Drop Pass
Dimension	116.5mm(L)x112mm(W)x59.5mm(H)

Chapter 2 Quick installation

2.1 PUT INTO THE PAPER ROLL AND BATTERY

1. Pull the pull rod backward ,release the paper cover to open the cover
2. Put paper into printer following the figure ,target on the paper exit of printer
3. After stretching out a little paper on the cutter,close the paper cover
4. Put battery into the correct location with correct direction as figure show
5. Push the battery to the bottom of battery location
6. Close the battery cover and screw tightly

2.2.POWER ON

1. Press the Power key until PWR/CHR green indicator light,release the power button
2. Bluetooth indicator flashing,means Bluetooth not yet connect
3. Press the paper feed button ,Printer will feed the paper forward automatically
4. Check the L.BATT and ERROR indicator ,one of both flashing that means error happen.Please trouble shooting as following steps
5. While power off,you have to press the power button until PWR/CHR indicator light off,then release the button

2.3. RECHARGING

*With Battery outside charger

1. Put the AC power adapter into outside charger,the LED indicator will light on the green
2. Put the battery with correct direction into the outside charger,the red light on
3. After power full,indicator will light on the green color

*With Car charger cable

4. Plug the Car charger cable into the socket of car,another end of cable plug into the charger
5. While recharging ,PWR/CHR red light on,while full,the red light off

2.4. OPERATION OF PRINTER

1. Power on the printer
2. active hand-held device Bluetooth to pair with thermal printer and build the connection
3. the Password of Bluetooth of printer, need to key in "0000"
4. After Bluetooth successful connect, the BT indicator will not flash but light on
5. Transmit the data from Hand-Held device to thermal printer
6. BT LED indicator flashing, means Bluetooth already disconnected, please reconnect again then enable to printing
7. Also can with RS232 cable, plugging into the port of printer, but need to adjust the dip-switch setting of printer (refer to Chapter III), This way do not need Bluetooth connection

2.5 WARNING INDICATOR

1. While the shortage of paper or paper cover been opened, the ERROR indicator red light light on
2. Battery the voltage is too low (about 7.2V), L.BATT orange light on, and buzzer buzzing
3. Press the "Power" button to stop the buzzing, but L.BATT indicator still light on
4. BT LED Flashing means Bluetooth disconnect, BT LED keeping light on means the Bluetooth connect

Chapter 3 Set up

3.1 DIP SWITCH

1. Pin definition

No.	ON	OFF
1	reserve	Reserve
2	reserve	Reserve
3	Firmware Upgrade	Normal
4	RS232 connection	Bluetooth connection

2. Dip Switch for service member,end user do not touch

3.2 RS232 PIN DEFINITION

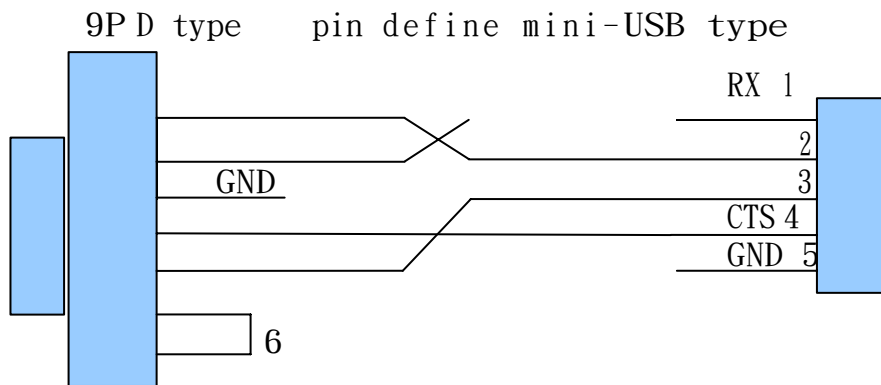


Fig 5 RS232 cable pin define

3.3 REMARK:

1. forbid shower or sink into water
2. forbid throwing or kick printer
3. If any issue ,please waiting for after service not fix by yourself
4. Notice the lifecycle of battery is 1 years
5. While fist time use of the battery,please fully charge the battery
6. Low Power RF not affect the use of electrical safety and interference to flight communications; been found to have interference, should be immediately disabled, were improved to the time of non-interference may continue to use.

3.4 TROUBLE SHOOTING

1.Can not power	Battery wrong direction putting
	Battery low power
2.Can not power	Printer btoon fail,reload the battery
3.Can not printing	Bluetooth yet connection/connection failure
	PDA did not send data to printer

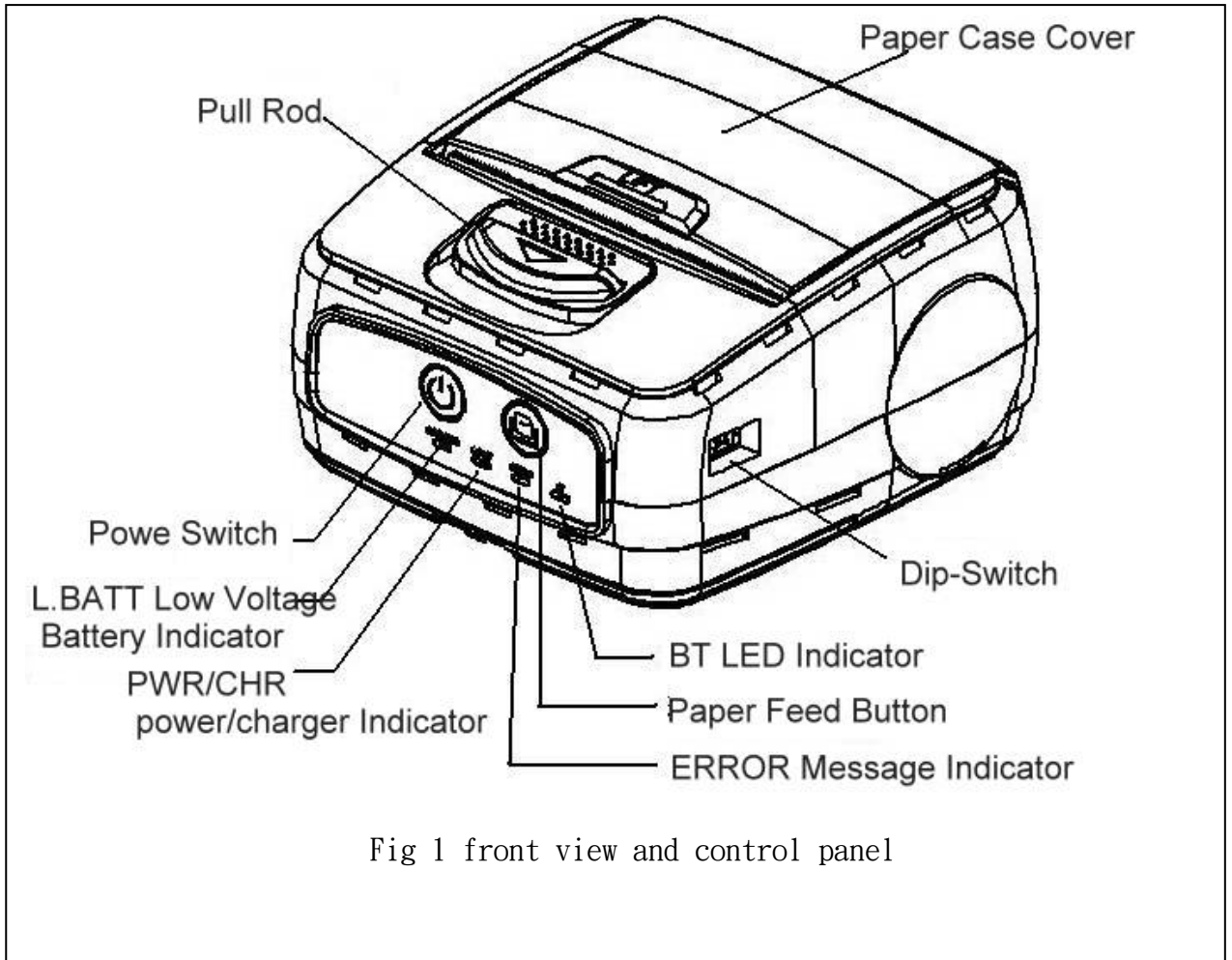
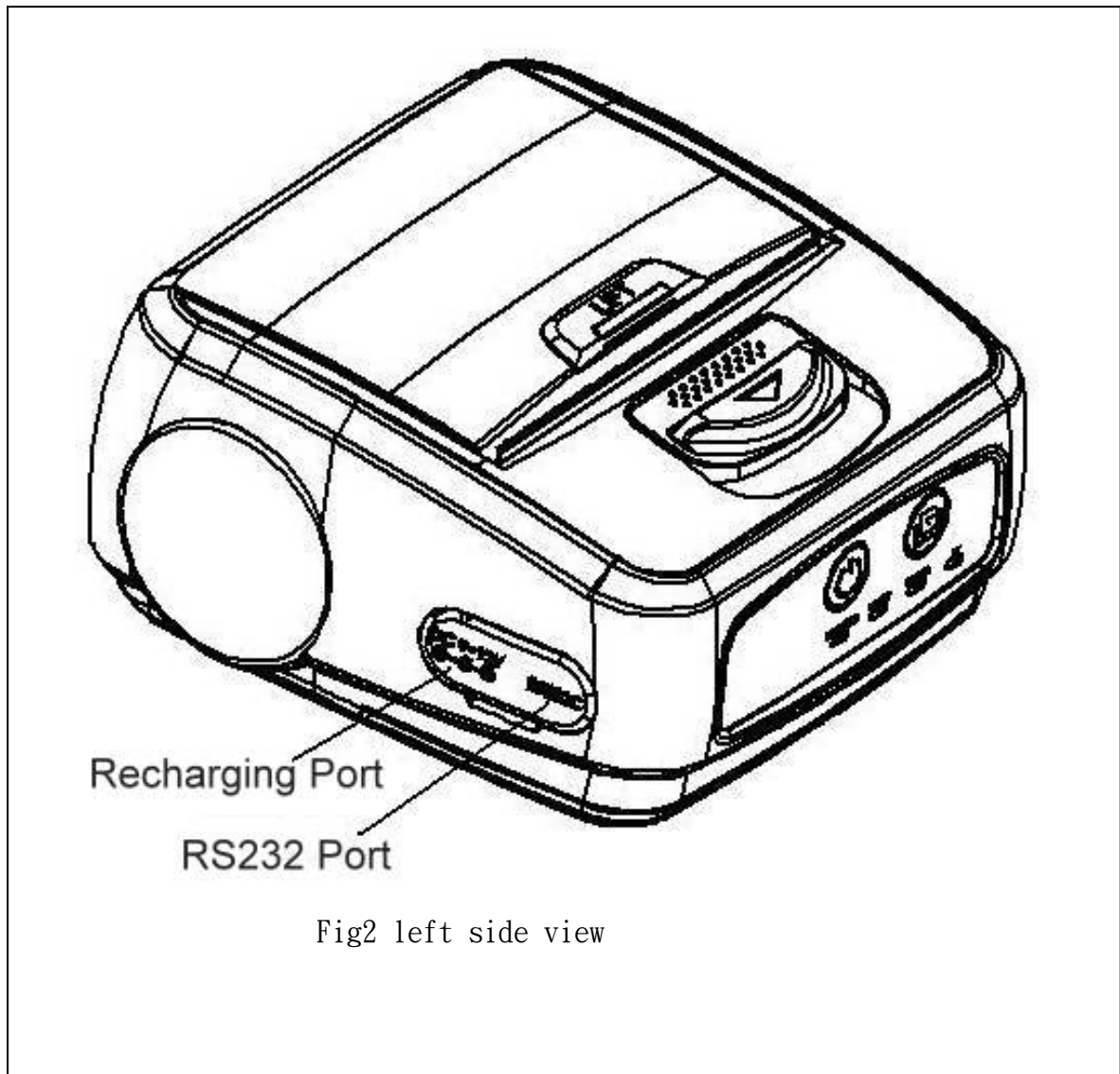


Fig 1 front view and control panel



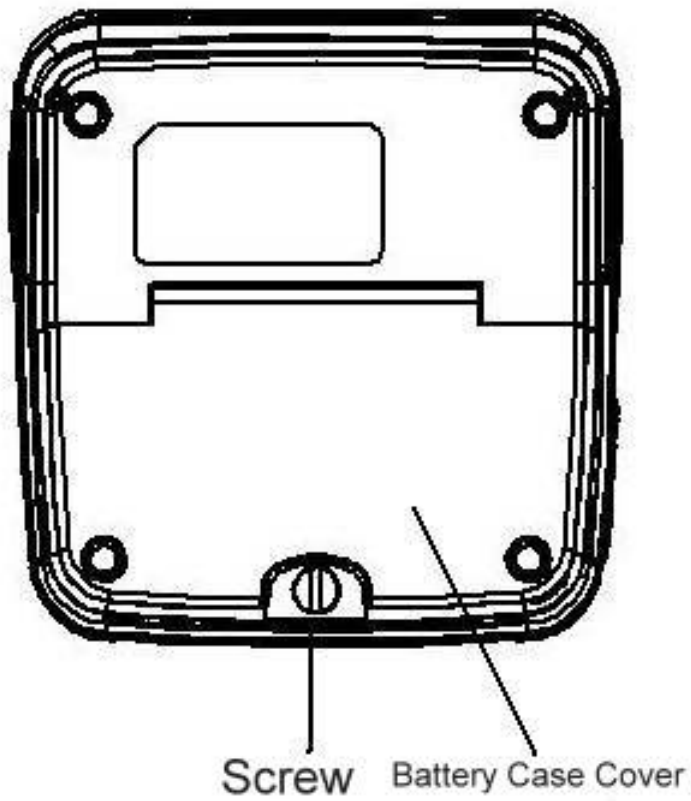


Fig 3 Back view

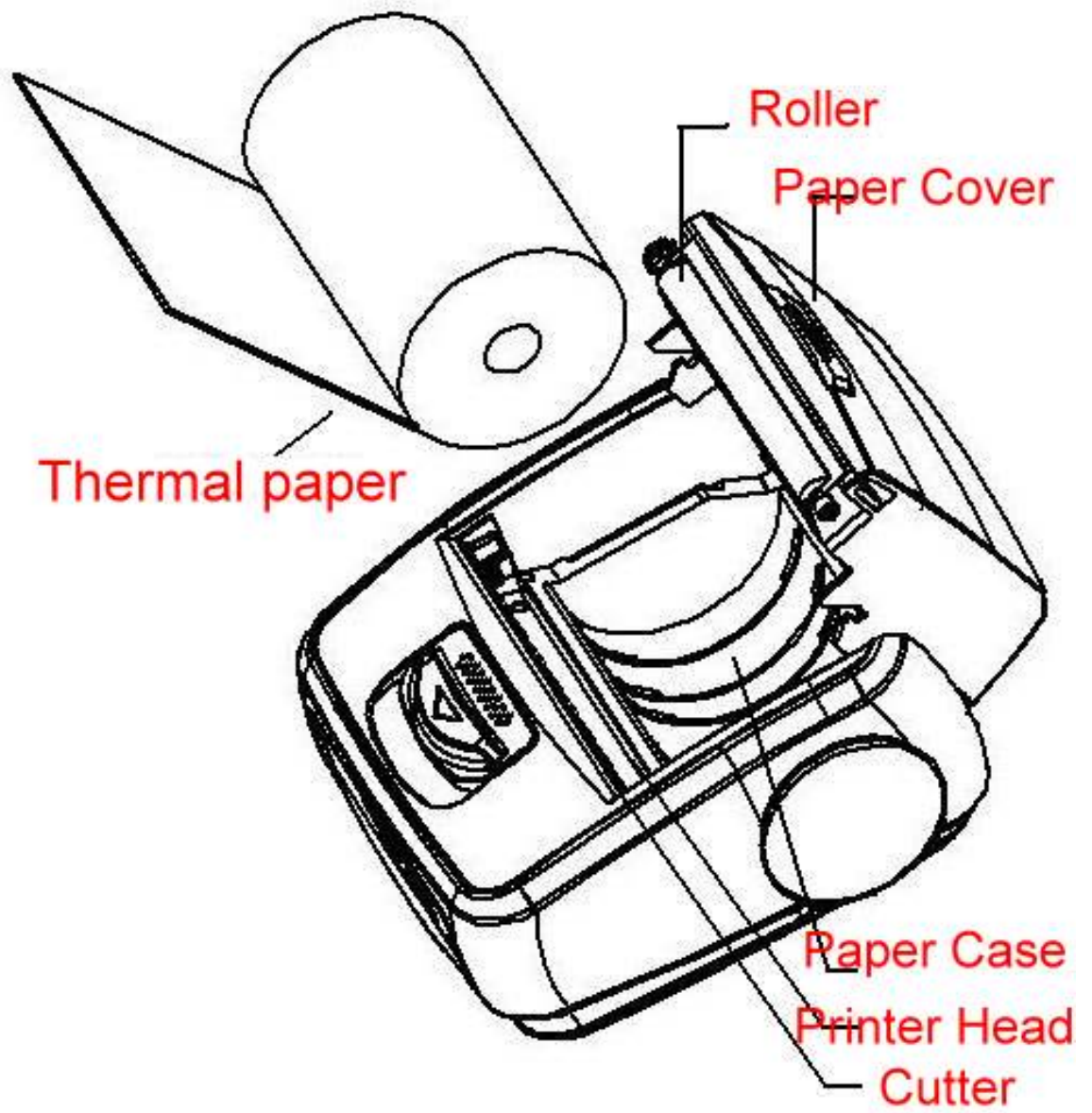
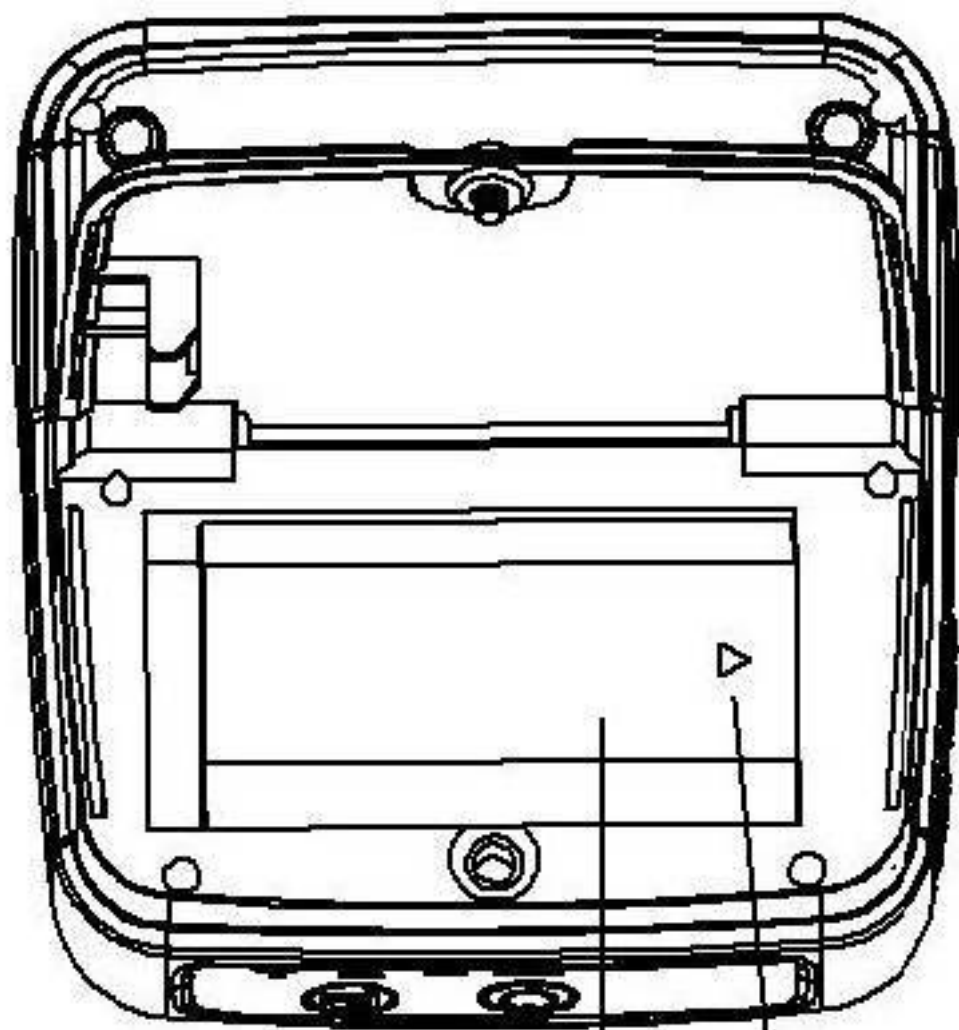


Fig 4 Inside of Paper case



notice the direction of battery
Push battery to right bottom

Fig 5 Battery Case Inside