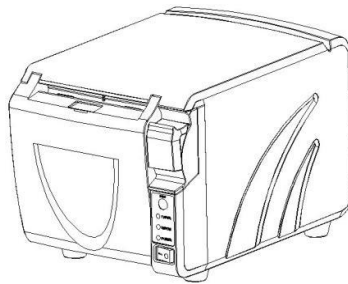


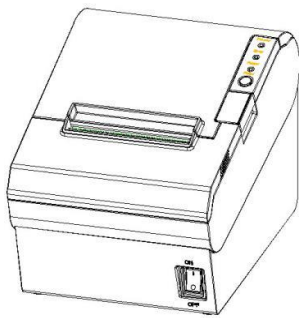


# User Manual

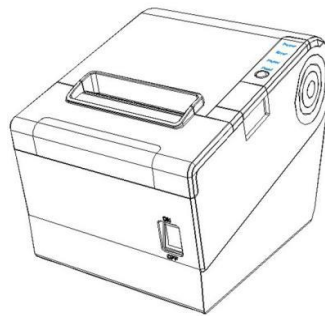
## TP801/TP805/TP806



TP801



TP805



TP806

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# REVISION RECORDS

REV.	DATE	DESCRIPTION
1.0	2013.04.10	1.Add the warnings of using crash drawer
1.1	2013.04.19	1.Add the setting of Ethernet IP
1.2	2013.04.20	1.Add the warnings of using power adaptor
1.3	2013.04.23	1.Modify some error descriptions
1.4	2013.05.11	1.Add the description of Parameters checking and resetting illustration of the Ethernet and Wi-Fi cards
1.5	2013.06.01	1.Modify the packing list
1.6	2013.11.05	1.Modify the printer's driver
1.7	2014.01.13	1.Add the description of Wi-Fi setting 2. Modify the description of print self-test page 3. Modify the layout of user manual
1.8	2014.08.15	1. Modify the printer's driver (P20~P25) 2. Modify the layout of user manual
1.9	2014.11.20	1.TP801 add STATUS indicator. 2.Add Bluetooth function.
2.0	2014.12.19	1.Update driver(P20)
2.1	2015.07.09	1.Delete Driver Orientation (Chapter4.9). 2. Update Driver Program (Delete Win2000).
2.2	2015.09.29	1.Update the layout. 2.Add the description of continuous product update.
2.3	2015.12.16	1.Modify the picture of power connection.
2.4	2016.02.19	1.Modify the sensors of detect function. 2.Change the picture of power connection.
2.5	2016.03.03	1.Support new system WIN10.
2.6	2016.03.21	1.Modify the layout of printer specification.
2.7	2016.07.25	Update the Printer Specification
2.8	2016.08.18	Modify some error descriptions
2.9	2016.11.14	Update the Printer Specification

REV.	DATE	DESCRIPTION
3.0	2018.9.30	Add the description of BT

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## Statement

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Printed in China

3.0 Version

### Warnings :



This must be complied with in order to avoid any damage to the human body and to the equipment.



This is showing the important information and tips for the printer operating.



**Due to continuous improvement of the products, the specifications, accessories and procedures described in the manual are based on actual machines. And it may be changed without prior notice.**

# Important Safety Instructions

## 1. Safety warning



Warnings: The print head will become very hot during printing, please do not touch the printhead and peripheral parts during printing and printing just finished.



Warning: Please do not touch the printhead and connectors, in case that static damages the printer head.

## 2. Instructions

Carefully read the installation and operating instructions provided with the printer before starting your printer.

- 1) Place the printer on a flat and stable surface.
- 2) Leave enough space around printer for operation and maintenance.
- 3) Do not insert anything into the ventilation slots or openings on the printer.
- 4) Do not place the printer on or near a heat source.
- 5) Do not use the printer near water. Never spill liquid into the printer.
- 6) Do not expose the printer to high temperatures, direct sunlight or dust.
- 7) Protect the printer from shock, impact and vibration.
- 8) Be sure the power source is within the voltage rating and frequency listed for the printer.
- 9) Switch off the printer power supply when won't use it for a long time.
- 10) Do not place the power cord where it can be stepped on. If the power cord becomes damaged or frayed, replace it immediately.
- 11) Be ensure the print quality and reliability, you are suggested to use the recommended paper or the same quality paper.
- 12) Pls switch off the power supply when connect/disconnect all the ports or it will cause damage to the printer control circuit.
- 13) Never carry out maintenance or repair work yourself. Always contact a qualified service technician.
- 14) Keep this User Manual in a place which is easily accessible at all times.

# **1 OVERVIEW**

## **1.1 Introductions**

TP801/805/806 is a thermal receipt printer with auto-cutter, featured by high print quality, high print speed, high stability, etc. It can be used in commercial POS system, food industry and occasions which need real-time field print receipts.

TP801/805/806 can connect to other equipment through parallel, serial, USB, Ethernet, Bluetooth, Wi-Fi and cash drawer interfaces. And the printer drivers are available for the WINDOWS XP/WINDOWS 7/WINDOWS 8/WINDOWS 10/Linux operating system.

## **1.2 The Main Features**

- 1) Patent design of unique vertical double auto cutter
- 2) Low noise
- 3) High print speed
- 4) Easy paper loading
- 5) Support page mode printing
- 6) Compatible with various width paper
- 7) Cash drawer interface
- 8) Communication interfaces optional



## 2. GETTING STARTED

### 2.1 Packing List

After receiving your printer, please check for possible shipping damage:

1. Inspect the outside of both the box and the printer for possible damage.
2. Check whether you have received the following accessories together with the printer, if there is any items missing, please contact your local dealer.

#### ■ Standard Accessories:



Printer



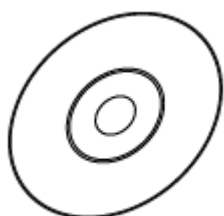
Power Adapter



Power Cord

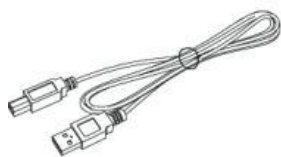


Quick Start Guide

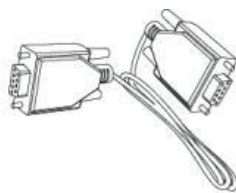


CD

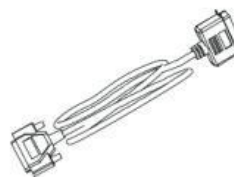
## ■ Optional Accessories:



USB Cable

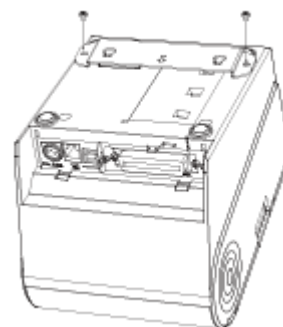
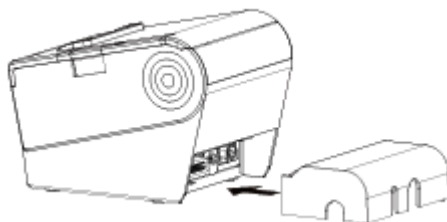
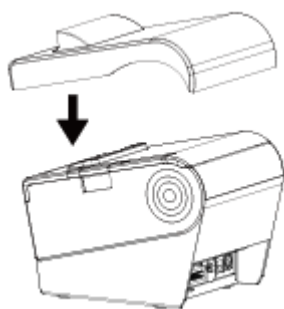


Serial Cable



Parallel Cable

## ■ Optional Accessories (Only for TP805/TP806):



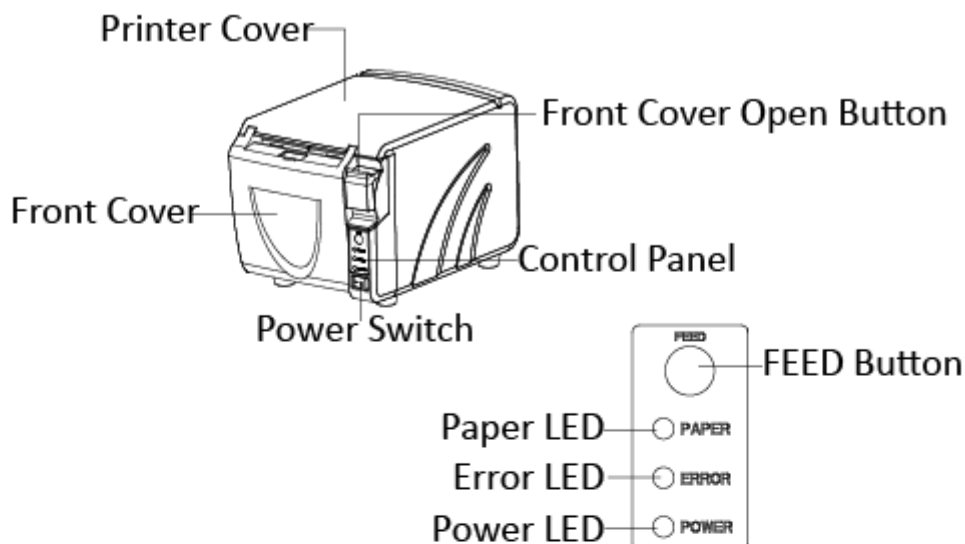
## Note:

- 1.The power cord and power adapter vary by local or region.
- 2.Some customers may require not packing some parts of the standard accessories for special, if users are confused, please contact with your dealer for more detail.

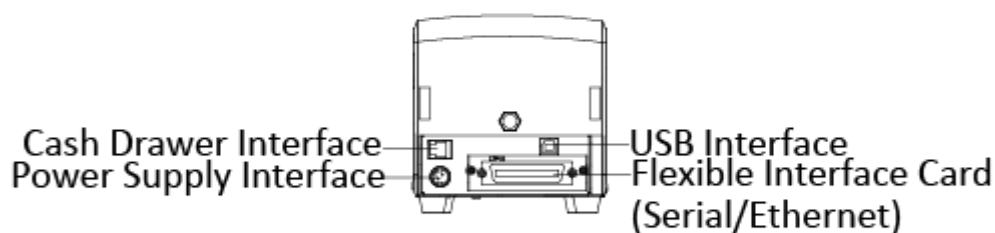
## 2.2 Appearance and Components

### 2.2.1 TP801

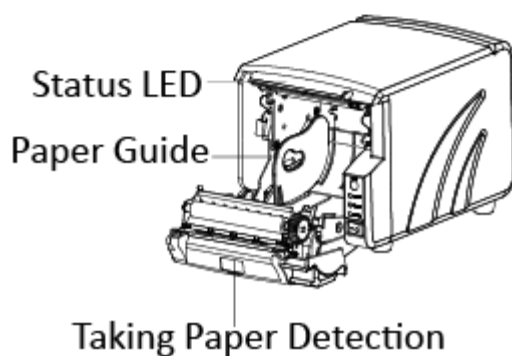
#### ■ Front



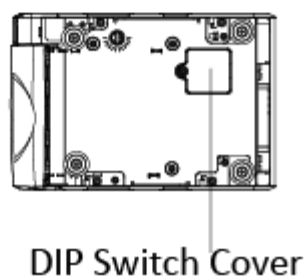
#### ■ Back



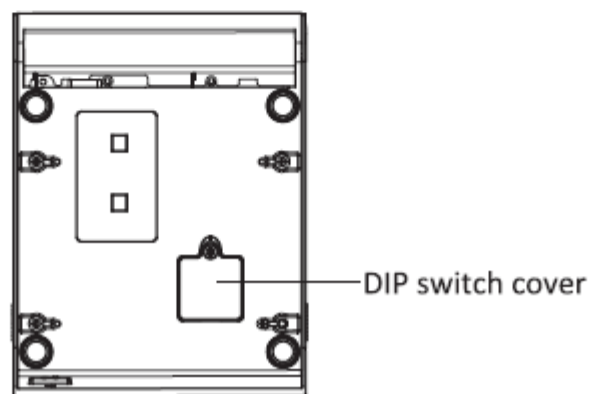
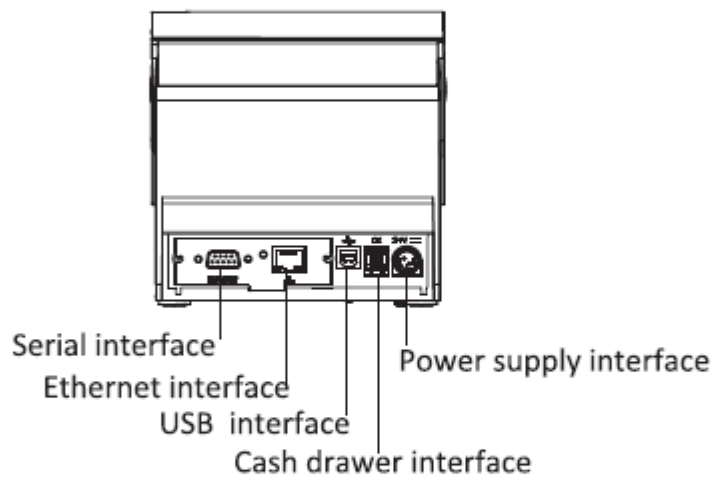
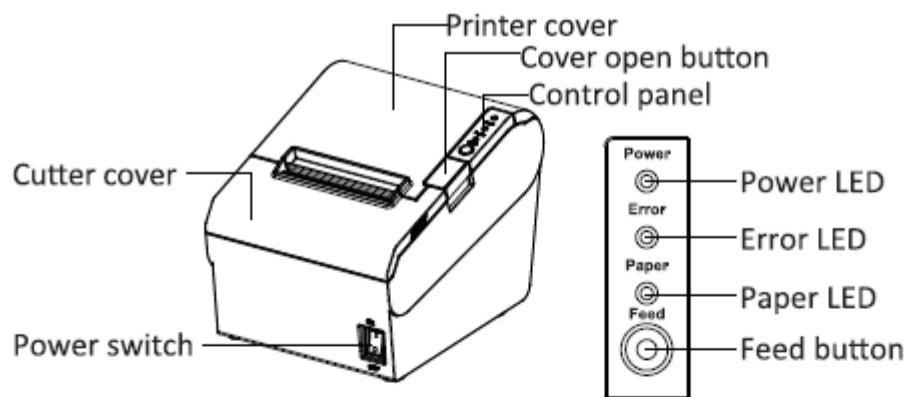
#### ■ Opening Front Cover



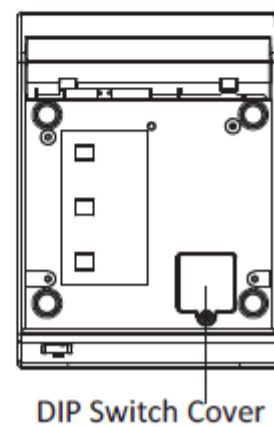
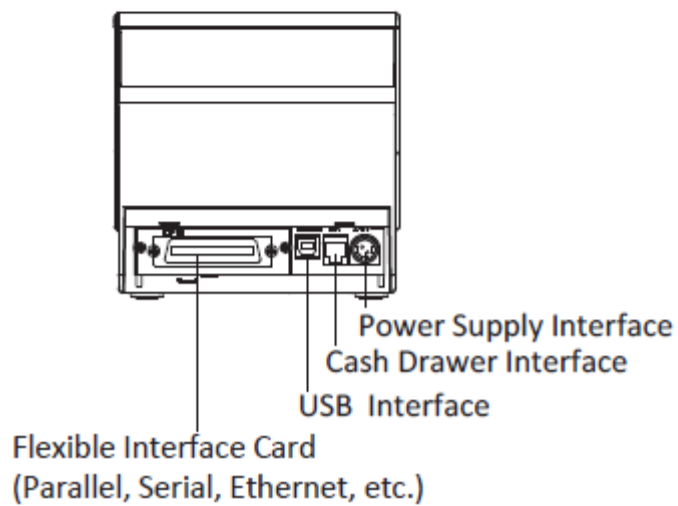
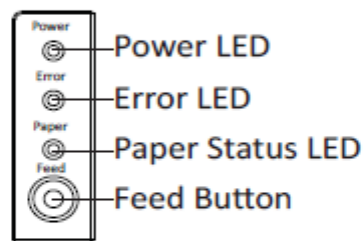
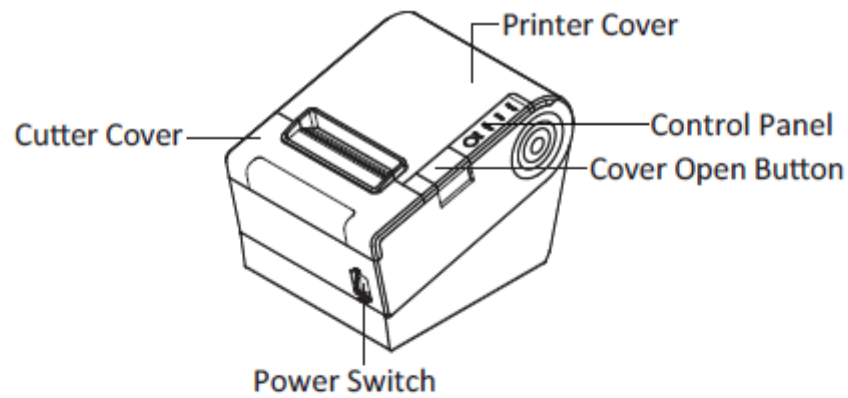
#### ■ Bottom



## 2.2.2 TP805



## 2.2.3 TP806



## Specification of some part elements

### 1) Power switch

Press “O” to turn off power and press “I” to turn on power supply.

### 2) Feed Button

Feed paper: When it’s not in the alarm status, push the button to feed paper. Push the button continuously to feed the long distance.

### 3) Power LED

It indicates the power status.

### 4) Paper LED

It detects the status of paper, such as paper near end and paper end. See more details in “3.2 Specification of Indicated light and beeper”.

### 5) Error LED

If there is an abnormal phenomenon and error LED flashing, it means the printer is in the wrong status. Please turn off the power immediately.

### 6) Paper guide

In paper storehouse, paper guide can change the position to adapt to different paper width.

①TP801 storehouse has 3 paper guide slots. paper guide slot 1/3 adapt to  $80^{+0}_{-1}$  mm/ $58^{+0}_{-1}$  mm print paper respectively.

②TP805 storehouse has 4 paper guide slots. paper guide slot 1/4 adapt to  $80^{+0}_{-1}$  mm/ $58^{+0}_{-1}$  mm print paper respectively.

③TP803 storehouse has 2 paper guide slots. paper guide slot 1/2 adapt to  $80^{+0}_{-1}$  mm/ $58^{+0}_{-1}$  mm print paper respectively.



## Warnings:

**Paper guide is essential to adjusting the paper width. Please keep it properly. And the paper guide is un-taken during printing in case of print offset.**

## 3 Specification

### 3.1 Printer Specification

**Table 2-1 General Specification**

(1/2)

Model		TP801	TP805	TP806
Printing	Print Method	Direct thermal line printing		
	Resolution	203dpi (8dots/mm)		
	Printing Width	48mm/72mm		
	Print Speed	200 ~ 300mm/s	200 ~ 250mm/s	250 ~ 300mm/s
	Interface	Serial, Parallel, Ethernet, USB, Cash drawer, Bluetooth, Wi-Fi		
	Print Density	Adjustable from level 1 to level 4		
Page Mode		support		
Memory	RAM	2MB		
	Flash	4MB		
Resident Fonts	Chinese	GBK 16×16, 24×24dots		
	Alphanumeric	ASCII 9×17, 12×24dots		
	User-defined	Support		
	Code Page	Optional international character sets : PC437(std.Europe), Katakana, PC850(Multilingual), PC860(Portuguese), PC863(Canadian), PC865(Nordic), PC857(Turkish), PC737(Greek), ISO08859-7(Greek), WPC1252, PC866(Cyrillic #2), PC852(Latin 2), PC858(Euro), KU42(Thai), TIS11(Thai), TIS18(Thai), PC720(Arabic), WPC775(Baltic Rim), PC855(Cyrillic), PC862(Hebrew), PC864(Arabic), ISO8859-2(Latin2), ISO8859-15(Latin9), WPC1250(Latin 2), WPC1251(Cyrillic), WPC1253(Greek), PC1254(Turkish), WPC1255(Hebrew), WPC1256(Arabic), WPC1257(Baltic Rim), WPC1258(Vietnamese), MIK(Cyrillic), PC755(Latin 2), Iran, Iran II, Latvian, ISO-8859-1(WestEur), ISO-8859-3(Latin 3), ISO-8859-4(Baltic), ISO-8859-5(Cyrillic), ISO-8859-6(Arabic), ISO-8859-8(Hebrew), ISO-8859-9(Turkish), PC856, PC3848(ABICOMP), MONGOLIAN, VISCII		





Model		TP801	TP805	TP806
Graphics		Support bitmap printing with different density and user defined bitmap printing. (Max size of each bitmap is 40K, the total size of bitmap is 256k)		
Barcode	1D	UPC-A、UPC-E、EAN8、EAN13、CODE39、ITF、CODEBAR、CODE128、CODE93		
	2D	PDF417、QR code		
Detection	Sensors	Take paper, paper out, paper end, paper near end, cutter jam and cover open sensors(optional)	Cover open, paper near end sensors paper near end, black mark and cover open sensors(optional)	
Software	Emulation	ESC/POS		
	Driver	Windows XP/Vista/7/8/10/POSReady/Linux CUPS/OPOS/JavePOS		
	SDK	WinCE, Win Mobile, Android, iOS		

(2/2)

13

## 3.2 Media Specification

### 3.2.1 Continuous Thermal Paper Specification

Paper Type :Specified Thermal Paper

Paper Width : $58^{+0}_{-1}$  mm/ $80^{+0}_{-1}$  mm

Paper Outer Diameter :Max. 83 mm.

Roll Paper Core :13mm(Internal Diameter)

:18mm(Outer Diameter)

Paper Thickness :0.065 ~ 0.090mm

Paper Type	Manufacturer
FD210,PD150R,PD160R	OJI Paper CO.,LTD.

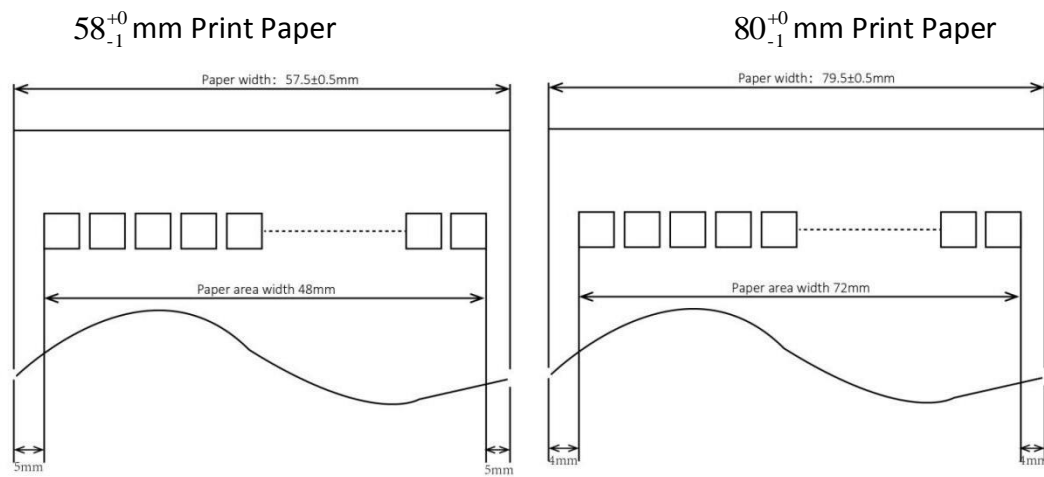


#### Notes :

- Pls. use the recommended thermal paper or same quality paper, otherwise it will influence the print quality and decrease the thermal printer head life.
- Don't stick the paper on the spindle of the roll paper.
- If the thermal paper is polluted by chemical or oil, the thermal paper heat sensibility decreases, which will influence the print quality.
- Don't use finger nail or hard articles to touch the surface of thermal paper, otherwise it will cause color fading.
- When the environment temperature is higher than 70°C, the thermal paper color will fade, so pay attention to the influence of temperature, humidity and sunlight.

## 3.3 Printing and Cutting Position

### 3.3.1 Printing Position



### 3.3.2 Cutting Position

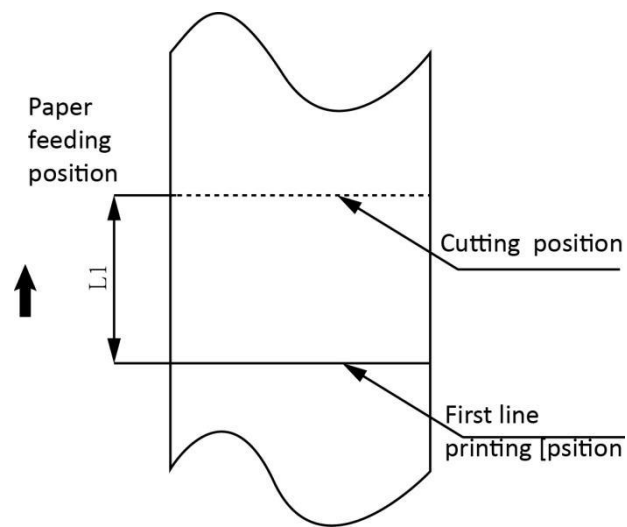


Figure 3.3.2

Type	Paper Cutting Position(L1)
TP801	14.5mm
TP805	11.8mm
TP806	15.4mm

## 4 Installation and Usage

### 4.1 Unpacking

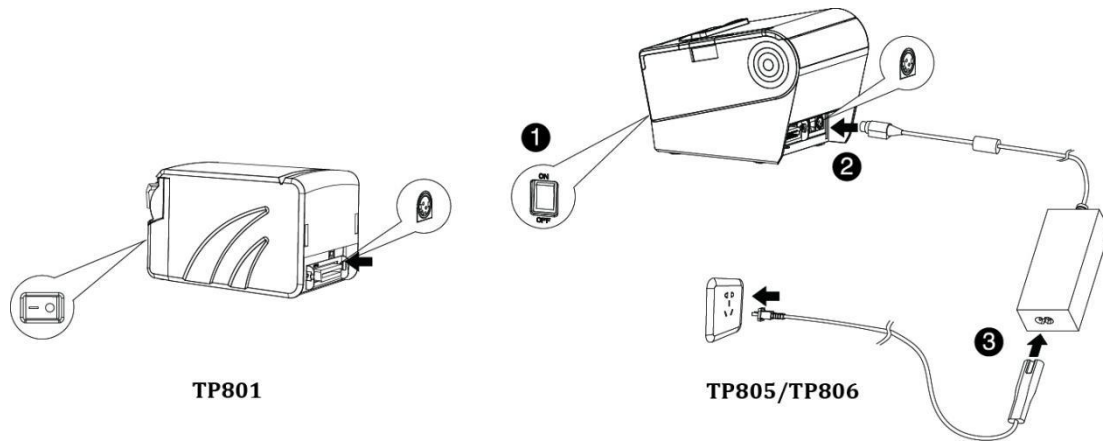
When open the package, check if any items are missing or damaged according to the packing list, if so, contact the local dealer or manufacturer.

### 4.2 Installation Site and Direction of Printer

- 1) TP805/TP806 have two ways to install: wall-hanging (optional: wall-hanging carrier) and horizontal installation. It's recommend that install the printer at horizontal line.
- 2) The printer should install at a flat and steady place. It's recommend that install the printer at horizontal line. The angle of inclination should not exceed  $\pm 10^\circ$  (paper feed direction) if tilt install printer, it does not allow to tilt by other direction.
- 3) Keep printer far away from source of water.
- 4) Avoid the printer on place where it is vibration and shock
- 5) Ensure printer ground connect is safe.
- 6) When the printer is at operation and maintenance, it is recommended to retain the enough space to ensure the printer can work in reliability and ease of operation.

## 4.3 Power Adapter Connection

- 1) Make sure the printer's power switch is turned off.
- 2) Connect the AC adapter to power receptacle.
- 3) Connect the power cord to AC adapter.
- 4) Connect the other end of power cord to the outlet.



The plug of power adapter is designed with a switch button type. When it connects power adapter and uttered the voice "click", which means the adapter is locked by the interface switch, otherwise please connect it again.

When pull out the adapter, please pinch the head of power adapter and pull the switch up simultaneously, when the switch is fully opened then pull out the power adapter.

Don't put forth your strength to pull the plug by squeeze at any of place of power adapter. Because, it is more difficult to pull it out and easy to damage the cable.



## Notes :

- ▶ Please only use the power adapter recommended by supplied or use other equivalent products.
- ▶ Do not pulling on the cable in force when disconnecting the AC adapter plug, handheld plug connector housing.
- ▶ Do not drag the power adapter cable, otherwise it will damage the cables and cause fire and shock.
- ▶ Do not put power adapter around the overheating device, otherwise the cable may be melt.
- ▶ If you do not use the printer for a long time, please disconnect the power supply of printer power adapter.



## 4.4 Cable Interface Connection

- 1) Make sure the printer's power switch is turned off.
- 2) Put the interface cable into the matched interface and fixed with screws (or spring) on the plug.
- 3) Connect the other end of the interface cable to the host.

## 4.5 Cash Drawer Connection

- 1) Make sure the printer's power switch is turned off.
- 2) Connect the cash drawer cable into the cash drawer interface on the rear side of the printer.



**Warning:** Cash drawer interface can only be connected to a voltage of 24V cash drawer device (can't connect to the phone line, etc.)

## 4.6 Media Loading

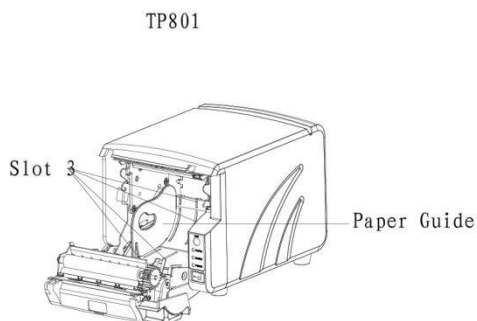
Confirm the type of paper used by the printer before printing. The default paper type is specified thermal paper.

Choose the paper guide according to the printing paper.

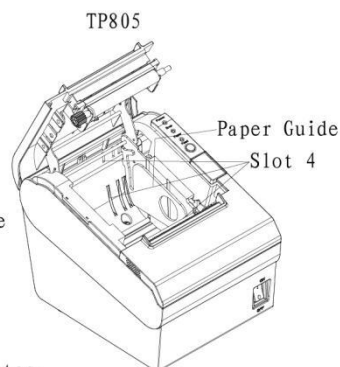
### 4.6.1 Paper Confirmation

Method:

- 1) Put the finger into the hole in the paper guide, then lift the paper guide.
- 2) According to the paper width, insert the paper guide in the proper position.



Notes:  
 Paper guide in slot 1 :  $80 \pm 0.5\text{mm}$   
 Paper guide in slot 3 :  $57.5 \pm 0.5\text{mm}$



Notes:  
 Paper guide in slot 1 :  $80 \pm 0.5\text{mm}$   
 Paper guide in slot 4 :  $57.5 \pm 0.5\text{mm}$



Notes:  
 Paper guide in slot 1 :  $80 \pm 0.5\text{mm}$   
 Paper guide in slot 2 :  $57.5 \pm 0.5\text{mm}$

## 4.6.2 Procedure of Loading

- 1) Turn off printer.
- 2) Pressing the open button, open the top cover of TP805\TP806 or front cover of TP801. (Like figure 4.5.1)

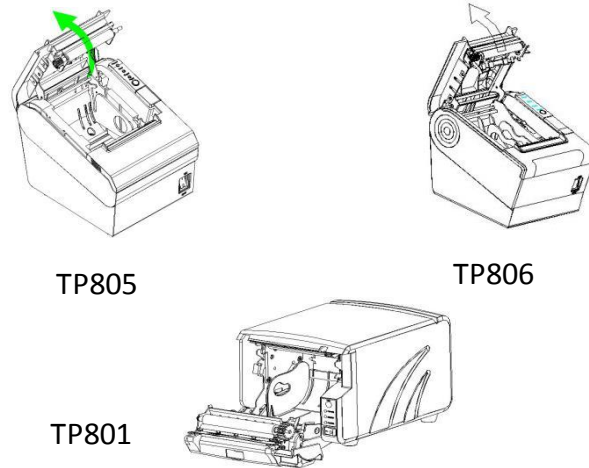


Figure 4.6.1

- 3) Put the paper into printer. Pay attention to the direction of the paper. (Like figure 4.6.2)

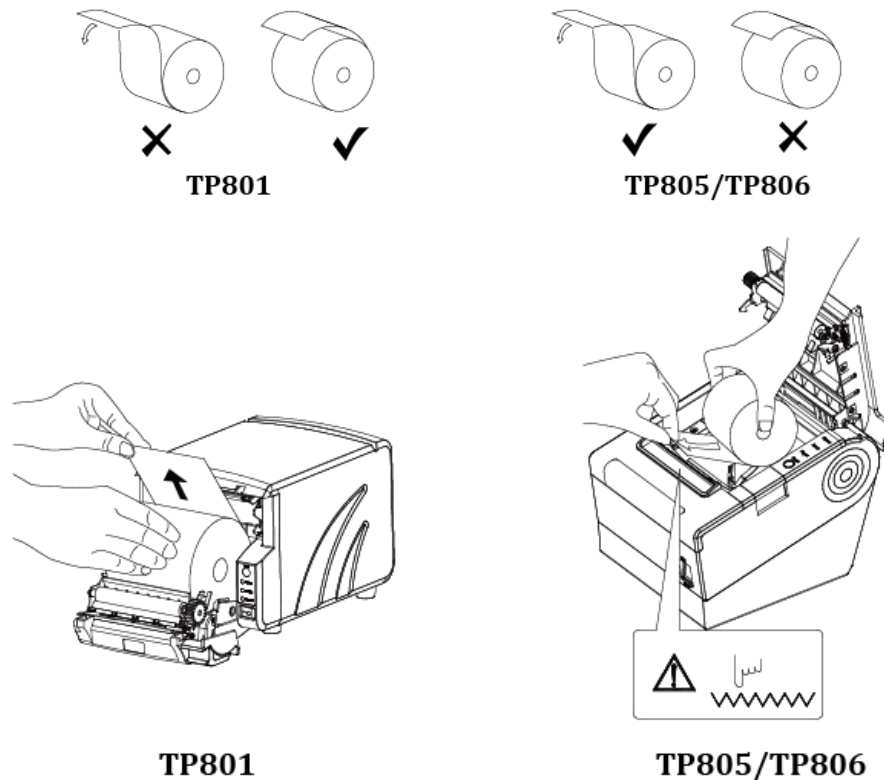


Figure 4.6.2

- 4) Close the top cover of TP805\TP806 or front cover of TP801. (Like figure 4.6.3)

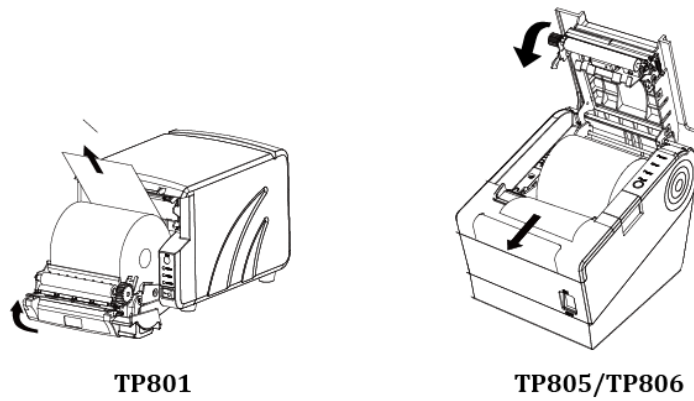


Figure 4.6.3

5) Tear the redundant paper. (Like figure 4.6.4)

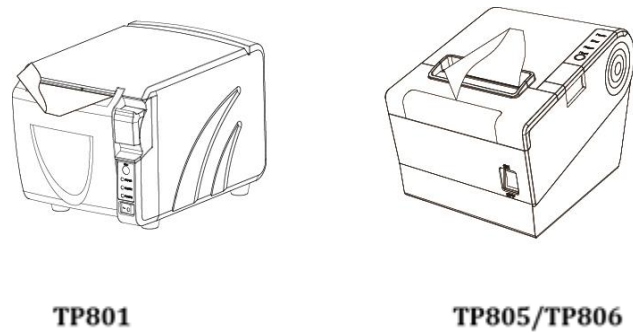


Figure 4.6.4



Notes :

- ▶ Adjust the paper guide according to the paper size.
- ▶ Make sure the paper inside is at tight status, or it will cause paper or other obstacle.

## 4.7 Specification of LED Indicator and Beeper


### 4.7.1 Specification of LED Indicator

Name	Status	Specification
POWER LED ( Green )	ON	The printer work well
	OFF	The printer powers off.
ERROR LED ( Red )	Flash	The printer in an error state
	OFF	The printer in a normal state
PAPER LED ( TP801 Blue ) ( TP805/TP806 Red )	TP801 Flash	The printer in a paper end state
	TP805/TP806 ON	
	OFF	The printer in a normal state

### 4.7.2 Beeper

Description	POWER LED	ERRO R LED	PAPER LED	Beeper
Cover Open	ON	ON	ON	“Beep ,Beep--,Beep”
Full of paper	ON	OFF	OFF	Silent
No Paper	ON	ON	ON	“Beep Beep Beep”.
Paper Near End	ON	OFF	ON	Silent
Cutter Jam	ON	Flash	OFF	”Beep—, Beep—”

## 4.7.3 Multi-color Status LED

<div>  <p>STATUS LED (multicolor)</p> <p>TP801</p> </div>	STATUS LED Specification	
	White	Printer power on
	Green	Printer is ready and in idle condition
	Red	Wrong status (out of paper, cover open, and so on)
	Purple	Paper near end and printer is in normal
	Blue	Printer is busy.



### Notes:

The printer uses a thermistor to detect the temperature of the print head. If the temperature of print head is more than 65° C, printer will send a warning. If the temperature of print head is more than 80° C, printer will stop working until the temperature is less than 60° C.

## 4.8 Setting DIP switch

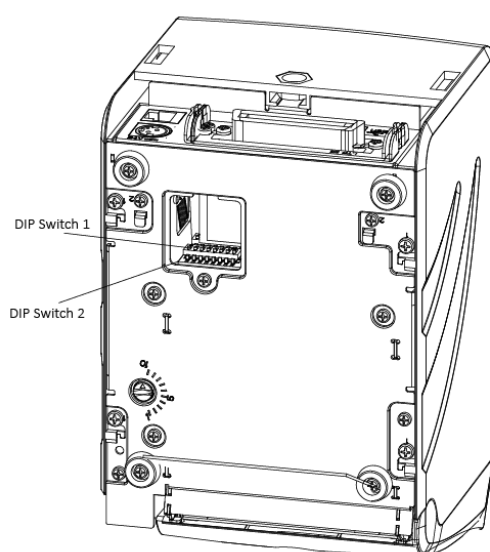
### 4.8.1 Serial interface (RS-232C)

#### DIP Switch 1

Switches	Functions	ON	OFF	Default
1-1	Automatic line feed	Enable	Disable	OFF
1-2	Handshake	XON/XOFF	DTR/DSR	OFF
1-3	Bit length	7 bits	8 bits	OFF
1-4	Parity check	Yes	No	OFF
1-5	Parity selection	EVEN	ODD	OFF
1-6	Baud rate selection ( bps )	Reference form 1		OFF
1-7				ON
1-8				OFF

## DIP Switch 2

Switches	Functions	ON	OFF	Default
2-1	Chinese/English mode	English	Chinese	ON
2-2	Internal beeper control	Disable	Enable	OFF
2-3	Auto cutter	Disable	Enable	OFF
2-4	Busy conditions	Receive buffer full	Printer off-line Receive buffer full	OFF
2-5	Printer density	Reference form 2		OFF
2-6				OFF
2-7				OFF
2-8	Printing dots quantity	512	576	OFF



TP801

## 4.8.2 Interfaces of parallel, USB, Bluetooth and Ethernet

### DIP Switch 1

Switches	Function	ON	OFF	Default
1-1	Automatic line feed	Enable	Disable	OFF
1-2 ~ 1-8	Reserve	-	-	OFF

### DIP Switch 2

Switches	Functions	ON	OFF	Default
2-1	Chinese/English mode	English	Chinese	ON
2-2	Internal beeper control	Disable	Enable	OFF
2-3	Auto cutter	Disable	Enable	OFF
2-4	Busy conditions	Receive buffer full	Printer off-line Receive buffer full	OFF
2-5	Printer density	Reference form 2		OFF
2-6				OFF
2-7				OFF
2-8	Printing dots quantity	512	576	OFF



## Form 1—Baud Rate Selection

Baud rate	1-6	1-7	1-8	Default
2400	ON	OFF	OFF	9600
4800	ON	OFF	ON	
9600	OFF	ON	OFF	
19200	OFF	OFF	OFF	
38400	OFF	ON	ON	
57600	OFF	OFF	ON	
115200	ON	ON	ON	

## Form 2—Print Density Selection

2-5	2-6	2-7	Printer density	Default
ON	ON	Reserve	1 ( diluted )	2
OFF	OFF	Reserve	2	
ON	OFF	Reserve	3	
OFF	ON	Reserve	4 ( dense )	

### 4.8.3 Auto Cutter Enable/Disable Selection

DIP Switch setting 2		
Switch2-3	ON	Auto cutter disable
	OFF	Auto cutter enable
Application program	Ignore auto cutter error for continuous printing	

## 4.9 Print Test

### 4.9.1 Print Self-Test

1. Make sure the printer has been installed roll paper and turn off the top cover.
2. Make sure the printer has linked power.
3. Make sure the printer power off.
4. Press and hold FEED button, then turn on power switch, the printer will print out self-test page.

### 4.9.2 Printing of Windows Driver Program

1. Install the Windows Driver program. (Please refer to the Windows Driver Manual)
2. Please set the "Interface" as the type you use.
3. Use the Windows Driver Program to print out the "Print Test Page".

## 4.10 Hexadecimal Dumping

This function allows experienced users to know exactly what data is coming to the printer. This can be useful in finding software problems. When you turn on the hexadecimal dump function, the printer prints all commands and data in hexadecimal format along with a guide section to help you find specific commands.

To use the hexadecimal dump function, follow these steps.

1. After making sure that the printer is off, open the cover.
2. Turn the printer on, while holding down the FEED button.
3. Close the cover, and then the printer enters the hexadecimal dump mode.
4. Select the hexadecimal printing function in the mode selection menu to move to the hexadecimal printing mode.
5. Run any software program that sends data to the printer. The printer will print all the codes it receives in a two-column format. The first column contains the hexadecimal codes and the second column gives the ASCII characters that correspond to the codes.

```
1B 21 00 1B 26 02 40 40 40 40    . ! . . & . @ @ @ @
```

```
02 0D 1B 44 0A 14 1E 28 28 28    . . . D . . . ( ( (
```

```
00 01 0A 41 0D 42 0A 43 43 43    . . . A . B . C C C
```

- A period (.) is printed for each code that has no ASCII equivalent.

- During the hex dump, all commands are disabled.

6. When the printing finishes, turn off the printer.
7. Turn on the printer and then the hexadecimal mode is off.

## 5 Interfaces Signal

Printer TP801/TP805/TP806 supports cash drawer interface and many other various communicate interfaces, such as serial interface, parallel interface, USB interface, Ethernet interface bluetooth interface, Wi-Fi interface. The printer has the communication board with the default USB interface and cash drawer interface, and the other communication boards with the Ethernet interface, parallel interface, RS232 interface are optional.

### 5.1 USB

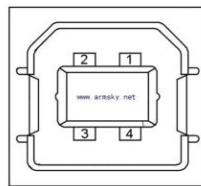


Figure 5.1

PIN NO.	Signal Name
1	VBUS
2	D-
3	D+
4	GND

## 5.2 Cash Drawer

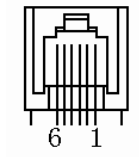


Figure 5.2

PIN NO.	Signal Name
1	FG
2	Drawer 1
3	DRSW
4	VDR
5	Drawer 2
6	GND

### Electrical characteristics

- Driving voltage : DC 24 V
- Driving current : maximum 0.8 A ( In 510 ms)
- Drawer check signal : “L” = 0 ~ 0.5 V “H” = 3 ~ 5 V

## 5.3 Power Port Definition

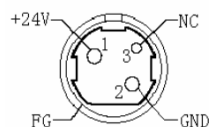


Figure 5.3

PIN NO.	Signal Name
1	+24V
2	GND
3	N.C
SHELL	F.G



**Note :**

- Do not unplug the cable while the printer is power on.
- When arranging the line of communication, you have to avoid paralleling with the strong current.
- you need to use the shielded communication line.

## 5.4 Other Optional Interface

### 5.4.1 Serial Interface

Printer TP805 serial interface is compatible with RS-232 standard, with 9 pin sockets.

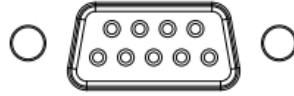


Figure 5.4.1 a

PIN NO.	Signal Name
1	-
2	TXD
3	RXD
4	-
5	GND
6	DTR
7	CTS
8	RTS
9	-

Printer TP801 and TP806 serial interface are compatible with RS 232 standard, with 25pin socket.

User can gain the setting of interface via printing configuration sample. the default setting of serial interface is as follow, 9600bps (baud rates), 8 bits (data bit), 1 bit (stop bit), no parity, support RTS/CTS handshaking protocol.



Figure 5.4.2 b

PIN No.	Signal Definition
PIN1	Frame Ground
PIN2	TXD
PIN 3	RXD
PIN 4	RTS
PIN 5	Unconnected
PIN 6	DSR
PIN 7	GND
PIN 8~19	Unconnected
PIN 20	DTR
PIN 21~25	Unconnected



## 5.4.2 Parallel Interface

Parallel interface supports protocol with 36 pin CENTRONICS sockets.



**Note:** H indicates that signal comes from Host computer, P indicates that signal comes from Printer.

Figure 5.4.2

Pin No.	Signal Source	Signal Definition
1	H	Data latch pulse, latch the data to the printer at the rising edge of the negative pulse
2	H	Data 0(The lowest bit)
3	H	Data 1
4	H	Data2
5	H	Data3
6	H	Data4
7	H	Data5
8	H	Data 6
9	H	Data7 (The highest bit)
10	P	Printer response signal, indicates that the printer has received the last byte of data. A negative pulse of about 1us.
11	P	Busy Signal. The printer is busy. High level indicates that the printer can't receive data.
12	P	PE Signal. paper end signal. High level indicates that the printer is paper end.
13	-	Unconnected
14	-	Unconnected
15	-	Unconnected
16		Logic Ground
17		Frame Ground, separated from logic ground
18	-	Unconnected
19~30		Logic Ground
31	-	Unconnected
32	P	Printer error signal, low level indicates that error occurs in the printer, the error signal will output along with paper end signal.
33		Logic Ground
34~35	-	Unconnected
36	-	Unconnected

### 5.4.3 Ethernet Interface

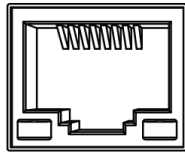


Figure 5.4.3

PIN NO.	Signal Name
1	TX+
2	TX-
3	RX+
4	-
5	-
6	RX+
7	-
8	-

## **5.5 Bluetooth Interface**

### **1. Bluetooth Connection:**

PDA with Bluetooth interface, laptop and other information terminals can drive the mobile thermal printer. Instructions as follows:

- 1) Power on the printer.
- 2) Primary device search for outer Bluetooth devices.
- 3) If there are some outer Bluetooth devices, choose “BT Printer”.
- 4) Connected to printer.
- 5) Finish pairing.

### **Notes:**

**In pairing, the printer must be turned on.**

**when pairing, do not set many printers on, otherwise it can not figure out which one succeeds in pairing.**

**Printer can only connect one primary device each time. After pairing completed, printer can't be connected with other primary devices. If it need to connect other devices, it should disconnect the connection with the former primary device.**

**2.Parameter Setting:**

Item	Parameter
BT Name	BT Printer
Svcmask	Default: 00D2
Simple Pairing	<ul style="list-style-type: none"><li>▪ON: When you connect Bluetooth, you do not need to enter a password to connect Bluetooth.</li><li>▪OFF: When you connect to Bluetooth, you need to enter a password to connect to Bluetooth.</li></ul>
Password	Default: 1234
BT ID	Such as: 00:15:83:CA:5F:64
BT Version	Version number depends on shipment
BT Applet of Wechat	Default
BT Multiple	Default

## 6 Troubleshooting

Your printer is very reliable, but occasionally problems may occur. This chapter provides information on some common problems you may encounter and how to solve them. If you encounter problems that you can not resolve, contact your dealer for assistance.

### 6.1 Printer Not Working

Problem description	Probable reason	Solution
LED not light, printer not working	Printer No power	Connecting the power supply
	Printer not on	Turn on the printer
	Circuit board broken	Contact with the dealer

### 6.2 LED Indicator on The Control Panel and Beeper Alarm

Problem description	Probable reason	Solution
Paper LED always on	Paper near end	The roll paper is near end, the printer can work normally
Error LED always on and beeper alarms	Printer Cover open	Close the printer cover
Paper Error LED always on and beeper alarms	Paper end	Reload the roll paper
Error LED blinks and beeper alarms	Thermal print head overheated	Turn the printer off and resume when it cools
	overvoltage	Print with specified voltage
	Low-voltage	Print with specified voltage

## 6.3 Troubles During Printing

Problem description	Probable reason	Solution
Coloured stripe in the paper	Paper near end	Reinstall the roll paper
Blurred printing or spot	Incorrect roll paper installation	Check if the roll paper is installed
	Unqualified roll paper	Use recommended thermal roll paper
	Dirty thermal head or print roller	Clean the thermal head or print roller
	Low print density	Increase the print density level
Paper Jam	Paper strike	Open the printer cover, check the paper path and remove jammed paper
Vertical print words missing	Dirty thermal head or print roller	Clean the thermal head or print roller
	Thermal head damaged	Contact your dealer for assistance

## 6.4 Problems Emerge During The Paper Cutting Processes

Problem description	Probable reason	Resolution
Cutter jam, the movable cutter cannot back	Cutter abrasion, insufficient cutting	replace the cutter
	Worm gear and worm wheel abrasion	Replace the worm gear and worm wheel
	Motor burnt	Replace the motor
	Paper scraps	Clean the paper scraps on the transmission system
Insufficient cutting	Cutter edge abrasion, paper too thick	Replace the cutter
Paper jam	Thermal printer head over heat	Reduce the density of printing
	Driving too fast	Reduce the printer speed to the limit of thermal printer head
	Wrong paper feeding position	Put the paper parallel with the paper mount and insert into the space between platen roller and the thermal printer head

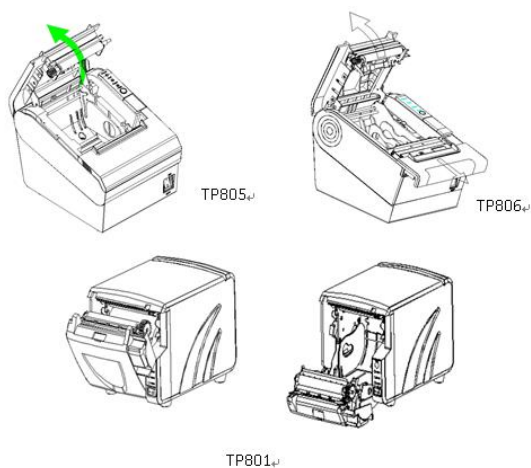
## 6.5 Remove Jammed Paper



**Warning: Do not touch the thermal print head because it becomes very hot after printing.**

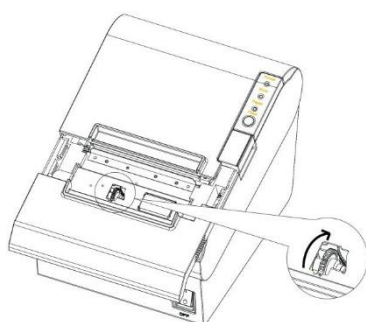
If the top cover (TP805/TP806) can be opened, operate it according to the next steps.

- 1) Turn off the printer and press open cover button.
- 2) Remove jammed paper, reinstall the roll, and close the cover.

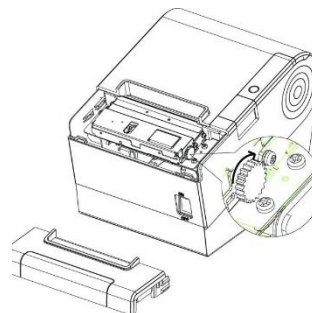


If the auto cutter jam occurs on printer TP805 and TP806 and you cannot open the printer cover, please open the cutter cover as shown on the left below.

- 1) Turn the printer off and open the front cover.
- 2) Turn the knob until the cutter returns to the normal position (tip tag).
- 3) Close the front cover.
- 4) Open the top cover and remove jammed paper.



TP805



TP806