User Manual

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Preface

Thank you very much for your choose and buy our thermal receipt printers, before using the printer,please read this instruction manual and related data, in order to correctly use and better play to the performance characteristics of the machine

Note

1.Printer should be installed in a stable place, avoid the printer in the vibration and shock.

2.Do not use and store printer in high temperature,high humidity and serious pollution.

3.Connect the power adapter for the printer to a properly grounded outlet, to avoid large motor or other devices that can lead to the power supply voltage fluctuation using the same socket.

4.To avoid water or conductive materials (metal, for example) into the printer, once occurred, should immediately shut off the power

5.If do not use the printer for a long time, please disconnect the power of the printer power adapter.

6.Users shall not remove the printer for repair or reconstruction.

7.The power adapter using only randomly designed with power adapter.

8.In order to ensure the quality of the printer and the life of the product, it is recommended to use high quality printing paper.

Application

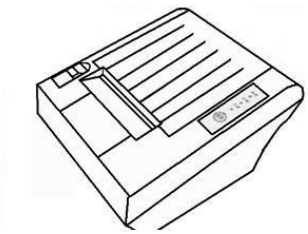
※Electronic cash register POS thermal receipt printing
※Electronic transfer(EFT)POS system receipt printing。
※Sports, post, civil aviation receipt printing
※Inquiry service system receipt printing
※Measuring instrument and meter data printing
※Tax bill,bill printing

1.The printer introduction

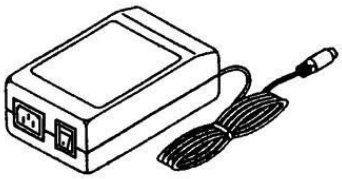
1.1 Open box

After opening the package, please immediately confirm whether the following parts is complete, and there is no damage in transit.

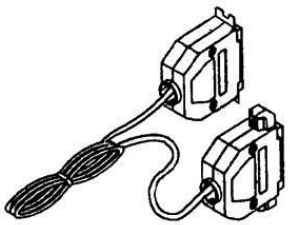
If you have questions,please do not hesitate to contact supplier.



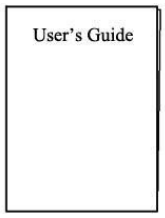
Printer



Power adapter



Communication cable
RS232, USB, Ethernet Port for choice



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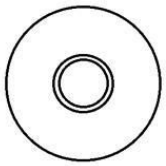
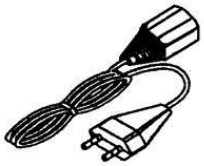


CD

Paper roll



Power cord

1.2 All parts of the printer name

⑴Power switch
⑵Open handle
⑶Control panel
⑷Paper outlet
⑸Paper roll cabinet's cover
⑹Lower case
⑺Cover of function switch
⑻Cover of cutter adjustment
⑼USB port
⑽Serial port（DB9）
⑾Ethernet port（RJ45）
⑿Cash drawer interface（RJ11）
⒀DC Power-In（DIN-3P）

2.Technical parameters

Print method	Thermal printer
Paper width	80±0.5mm
Printing Width	72mm
Print Density	8 dots/ mm，576 dots/line
Max Print speed	250mm/ sec
Reliability	Prpint head lif：about 50km Cutter life：About 300000 times MCBF：1.5X106 line
Character size	(ANK Character)：12×24 dots，1.5(width)×3.00(height)mm (Jan/traditional form)： 24×24 dots，3.00(height) ×3.00(high)mm
Print Command	Support ANK character, self-defined Chinese characters and support Chinese characters' times width, times of high print, character line spacing is adjustable,
Dot print command	print full character and tab character
Thermal paper roll	Widt h: 80±0.5mm Maximum diameter: Φ80mm Paper thick 53-60g / m
Power supply	DC 24V/2.5A
Cashbox control	24V/1A,support 12V and 24V Cashbox
Interface	RS232C+USB+LAN
Work environment requirements	Temperature 5℃—40℃；：Relative humidity:10%—80%
Store environmental requirements	Temperature-20℃—60℃；Relative humidity：10%—90%

3. Basic operation and use

3.1 Open the paper roll cabinet's cover

Printer need to change printer paper,must open the printer cover.Opens, please press with finger printer on the left side of the open button, hold down pressure, printer paper cover up up, and then use hand the paper cover above the back flip.（See figure 1）

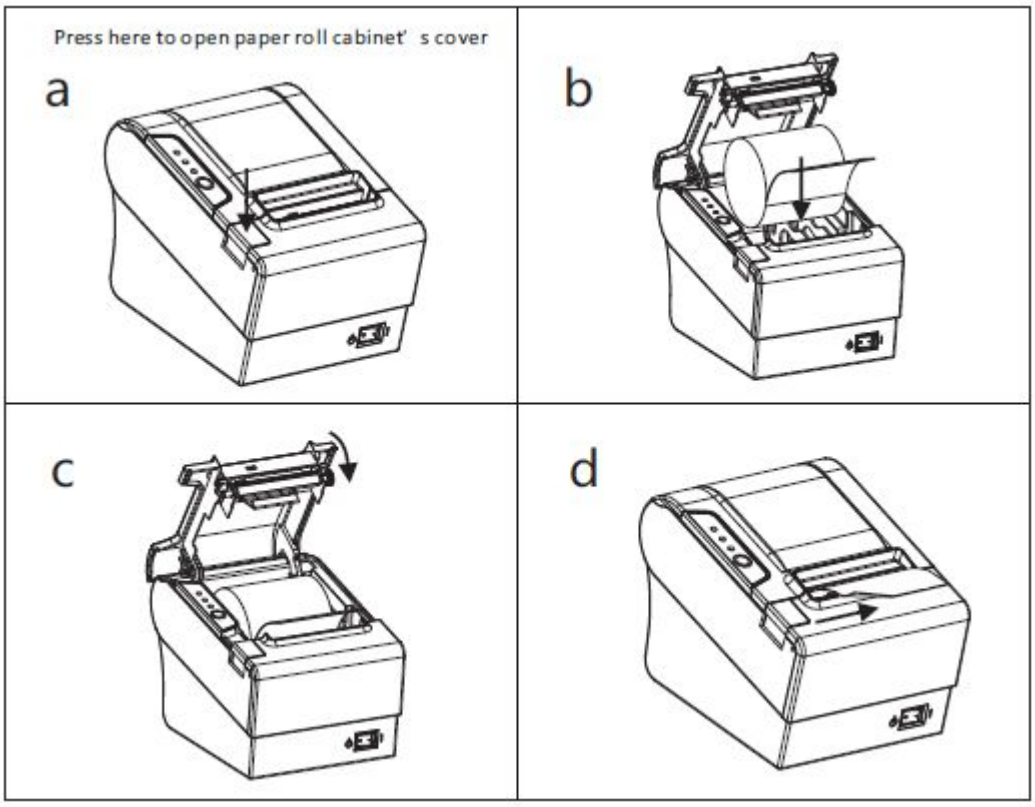
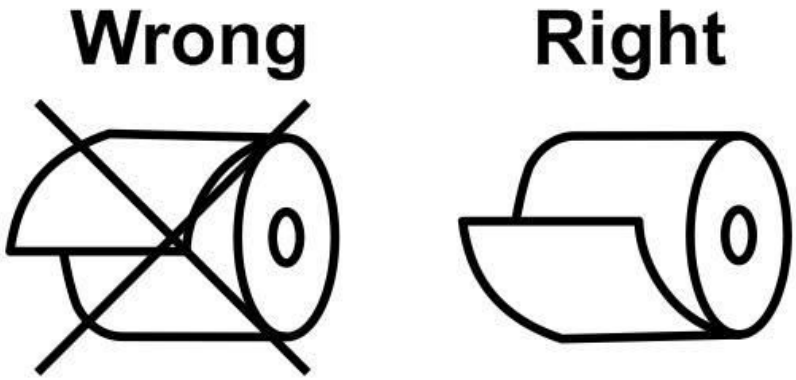


Figure 1

3.2 Load paper roll

Please select the right specification paper roll before installation.

1. Power off the printer.
2. Open the cover of paper roll cabinet.
3. Remove the core bar of running out thermal paper.
4. Load a new paper roll as following picture.
5. Close the cover of paper roll cabinet gently.



Caution: Pay attention to the paper roll's direction. Close paper roll cabinet's

cover gently.

Notice:

Make sure using thermal rolls that meet specificat ions and with standard quality;

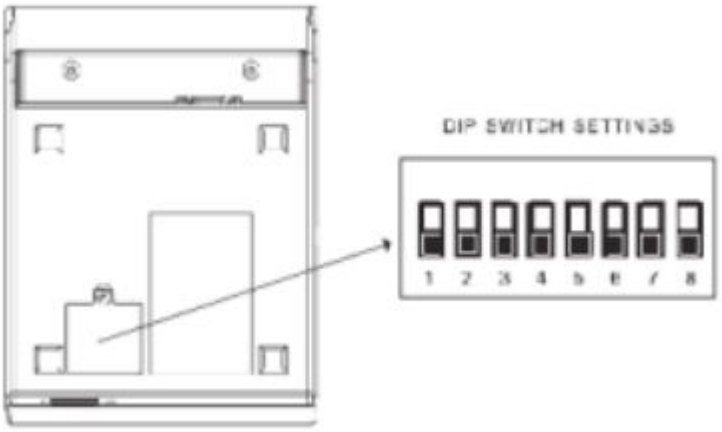
When take thermal paper out of printer, you must make sure that paper stay in

the center of thermal printer mechanism and paper exit, or may affect the normal work of the printer;

Remember, when close the printer's top cover, be sure to cover in place.

3.3 Set the print mode（DIP Switch）

Through the DIP switch Settings can change the cutter, language, speed of printer, buzzer and the concentration of print mode Settings.



switch	function	On	Off
1	Cutter	Disable	Enable
2	Beep alarm	Disable	Enable
3	Printing gray	Deep	Normal
4	None	None	None
5	Print number of characters in a row	64	48
6	None	None	None
7-8	Baud rate of serial port (bps)		

SW7	SW8	Baud rate of serial port (bps) bit/second
ON	ON	9600
ON	OFF	19200
OFF	ON	38400
OFF	OFF	115200

Note:Language and baud rate can be set by the printer

3.4 Control panel

There are one button and three indicators on control panel.

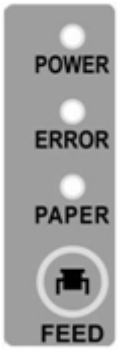


Figure 3

⑴【**Feed**】（**Feed**）

Click this button to send paper, if continue this button is connected to send paper.

⑵【**Lack paper**】**light**（**Paper**）

The light and the Error light bright at the same time shows printer paper out.The Error lights out said printer have paper.

⑶【**Power**】**light**（**Power**）

The light said the printer power on, the lights went out said printer power shut down

⑷【**Error**】（**Error**）

Happens when the printer paper, errors of the blade and the print head overheat mistakes such as the lights flashing.

3.5 Run self-test program

1) Make sure the printer is power off, and installed printing paper as described;
2) Press “FEED” button on the printer control panel, and then turn on power switch, wait 1-2 seconds, release “FEED” button, the printer began to self-test and print report;

3.6 Connect printer

POS80V interface：RS232C+USB Port+Ethernet interface

①**RS232C**

Mode of data transmission：Serial
Synchronization method:asynchronous
Handshaking：DTR/DSR or XON/XOFF Control
Bit rate：9600、38400、57600、115200bps (Default)Optional。
Word Length：8 bit

Odd-even check：None

Stop bit：1 bit

②**USB port**

USB port as printer directly

③**Ethernet port**

When using the Ethernet interface,please use the setting tool in the CD to set printer IP address which is the same as address of PC to the same network segment (The IP address of the factory default for: 192.168.1.87) and document set software CD)

4.Printer failure analysis

4.1 Exclude paper jammed

Printer in use process, if encounter a paper jam phenomenon occurs, please stop printing work and close the printer power switch.

Paper jam phenomenon found occurs, usually caused by the printer paper cover can't open normally, at this time, please do not forced open paper cover, lest cause damage of the printer。.

Paper jam elimination method is as follows：

1. Close the printer power switch and pull out all the cables connected to the printer；

2. As shown in figure 4 level pull forward the paper cutting knife cover；

3. Paper cutting knife adjustment wheels with finger, paper cutting head back into the paper cutting knife；

4. Vertical downward pressure "paper cover open button” to open the paper cover to remove cardboard；

5. If the printer to print and print paper is normal, and then reinstall the cover paper cutting knife。

Figure4

4.2 Clean printer

When there is one of the following conditions,printer head should be cleaned：

⑴Print is not clear；

⑵Print the page vertical column is not clear；

⑶Noisy when start to print.

The print head cleaning steps are as follows：

⑴Close the printer power supply, open the cover, if there is a paper, remove the paper；

⑵If just finished printing, should wait for the print head cool completely；

⑶Should dip in with soft cloth anhydrous ethanol (dry) erase the print head thermal dust and stains on the surface；

⑷Waiting for anhydrous ethanol completely evaporated, close up and cover, commissioning print again.

Note：

⑴When the printer maintenance must ensure that the power is shut down；

⑵Don't touch the surface of the print head, with the hand, and metal items

may not be used tweezers and other tools cut the print head, printing rubber roller, and the sensor surface；

⑶Shall not use gasoline, acetone and other organic solvents；

⑷Waiting for anhydrous ethanol volatilization completely, then open the power supply to continue printing.

FCC (additional information)

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.

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