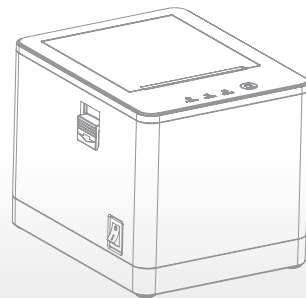


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P80 Thermal Printer **OPERATION MANUAL**





P80 Thermal Printer

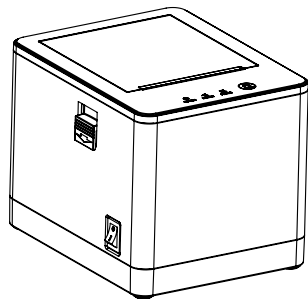
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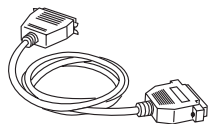
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1. Packing list

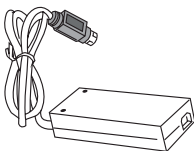
Each package contains parts showed below. Please check after opening the package.
If any part is damaged or omitted, please contact distributor.



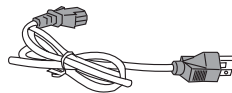
P80 thermal printer



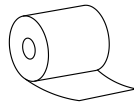
interface cable



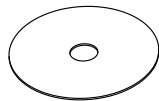
AC adapter



AC power cord



80mm thermal paper



drive disk



operation manual

2. Feature

- This thermal printer can be used with POS cash register, computer, etc.
- With high printing speed 170mm/s
- With touch key and automatic paper cutting after printing
- Communication interface: RS-232 serial port (DB25), ethernet, parallel port (LPT), USB2.0 (B TYPE).
- With strong and durable aluminum shell.
- With wiring port hidden design.
- It has cash drawer port, which can be used to connect with cash drawer.
- Original Japonic Seiko movement, whose life is more than twice the domestic movement.

3. Technical parameter

Printing method: thermal dot line printing

Resolution: 203×203dpi(8 dots/mm)

Printing paper width: 79.5±0.5mm

Printing speed: 170mm/s(max)

Printing life span: 100km / more than 108 pulses

Method of paper cutting: automatic paper cutting

Valid printing width: 72.2±0.2mm

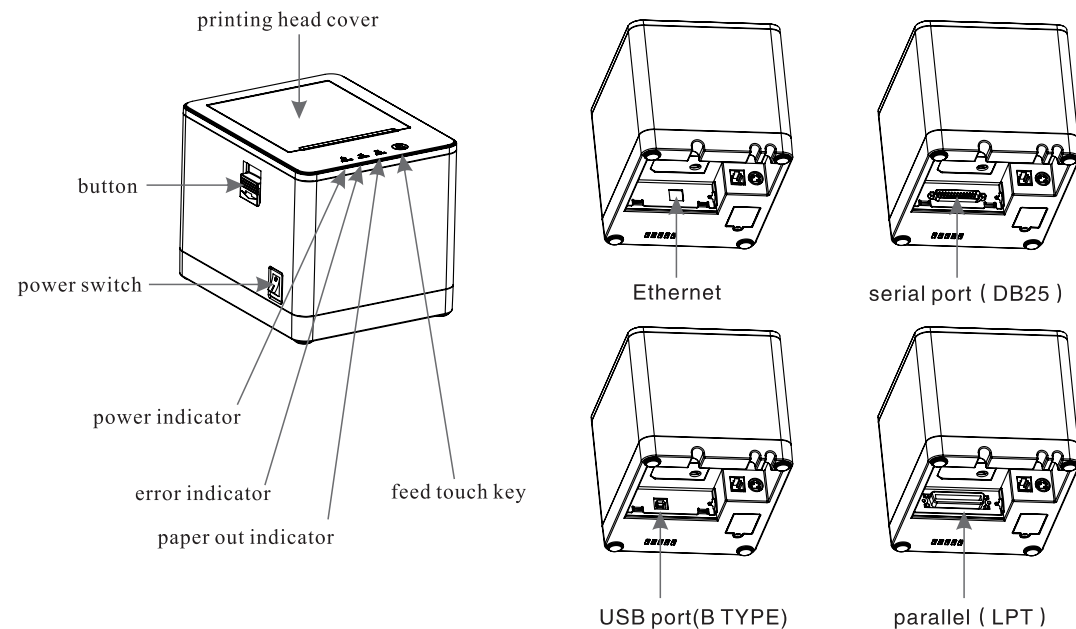
Printing font: 12×24/9×17

Power: DC 24V/2.5A

Net weight: 1.6KG

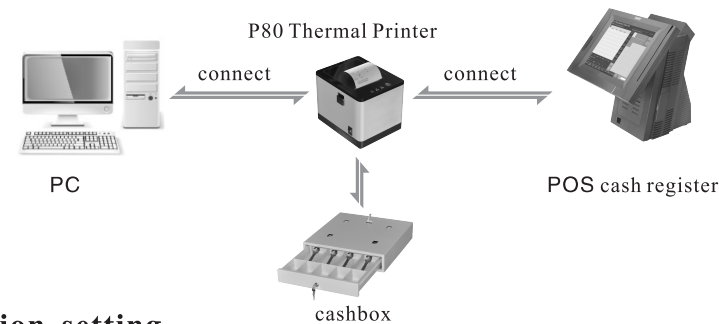
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4. Overview



5. Connecting

Distribution of data lines connected to the POS terminals or the POS terminals can achieve thermal ticket printing and the cash box functions can be controlled to open.



6. Function setting

(1). Key

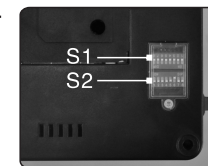
Feed touch key: feed blank paper by pressing this key.

(2).Indicator

When thermal printer is on, power indicator turns blue.
When it is off, power indicator is also off.
When printing process is normal, error indicator shows blue.
When fault occurs, it will blink from red to blue in turn.
Where there is thermal paper inside, paper out indicator shows blue.
When it is out of paper, paper out indicator turns red.

(3). DIP switch

There are two DIP switches on the bottom of printer. They are S1 and S2. see picture right
When serial port is adopted, set functions below through S1.



6. Function setting

Table 5.3.1

Set functions below through S1.

S1	Function	ON	OFF
1	Set whether CR is a valid bit.	yes	no
2	--	--	--
3	Handshaking DTR/DSR	XON/XOFF	DTR/DSR
4	Data word length	7 bits	8 bits
5	Parity check	yes	no
6	parity selection	Even	Odd
7	Baud rate setting	See table 5.3.2	
8			

Please note that '--' means the function is not defined.

Table 5.3.3

Set functions below through S2.

S2	Function	ON	OFF
1	--	--	--
2	--	--	--
3	--	--	--
4	Printing thickness setting	See table 5.3.4	
5			
6	buzzer	on	off
7	--	--	--

Please note that '--' means the function is not defined.

Table 5.3.2

Baud rate	S 1-7	S 1-8
9600	ON	OFF
38400	ON	ON
57600	OFF	ON
115200	OFF	OFF

Table 5.3.4

Thickness	S 2-4	S 2-5
Thin	ON	ON
general	OFF	ON
	ON	OFF
thick	OFF	OFF

7. Paper loading

Paper loading steps are as follows.

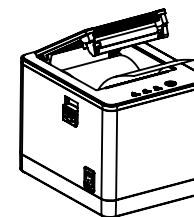
Step 1: Push the button downwards and printing head cover will be opened automatically (see picture below)

Step 2: Load the thermal paper into the slot in right direction.

Step 3: Pull the tip of paper out of cutter, close the cover and tear spare paper off.

Thermal paper recommended:

Thermal paper specification	Manufacturer
HPK-110	Hansol patech Co.,Ltd
AF50KS-E	JUJO Paper Co.,Ltd
TF-50KS-E	Nippon Paper Industries Co.,Ltd
PD-160R	New Oji Paper Mfg.,Co.,Ltd
F380	Kansaki Specialty Papers,Co.,Ltd



If other thermal paper except the one recommended above is adopted, it may cause fault of printing head and life span will be shortened.



8. Self-examination

Self-examination aims to check whether there is any fault in thermal printer. If any fault is found after self-examination, please contact distributor.

Self-examination process is as follows.

- Self-examination can check if printer is working smoothly. If the self-test list is normally printed, this means everything is normal. Otherwise, user needs to examine and repair it.
- Testing paper shows software version number, interface, English characters, some Chinese characters, etc. in sequence.
- After printing message below, paper will be cut off automatically.

COMPLETED

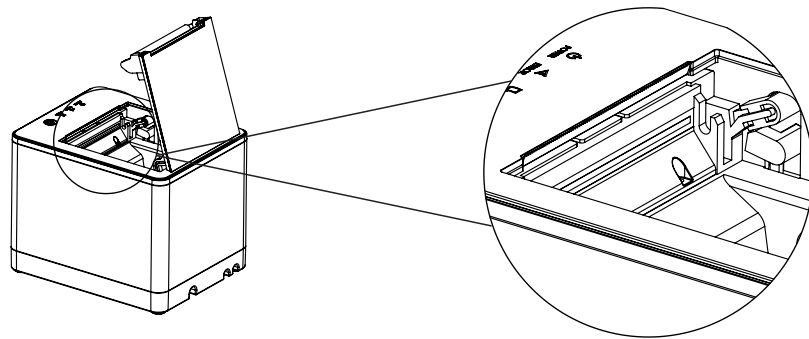
How to start up self-examination:

Turn on thermal printer. When feed key shows blue, keep pressing it and loose within five seconds. Then testing paper will be printed out.

9. Usual fault and treatment

1.If printer gives out abnormal sound or could not spit out paper smoothly, the reason may be that paper is placed improperly. Stop printing immediately and place paper properly, so as to avoid damaging printing head.

2.If there are white dots in receipt, this may be caused by printer head fault. User needs to change it. When words on receipt are vague, clean printing head. Power off first. Then wipe printing slice back and forth gently with cotton swab which has be dipped in alcohol. See pictures below.



10. Daily upkeep

1. To avoid damaging components, power off before disconnecting cables or wires.
2. Clean printing head in time, if there is dust or foreign objects on it.
3. To avoid damaging printing head, stop printing when paper could not be fed.
4. When do not use printer, ensure that there is paper between the print head with the glue stick, otherwise the print head will react chemically with the glue stick and then damage printer head.
5. Please choose a good quality thermal paper.
6. Do not pour water, If so please contact distributors.
7. As far as possible away from the high humidity, high oil pollution, high fever, high vibration, and dusty place.

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