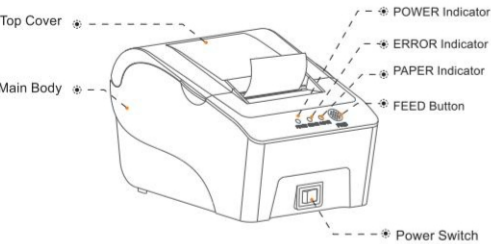
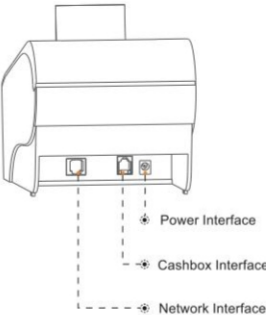


RP58E thermal receipt printer

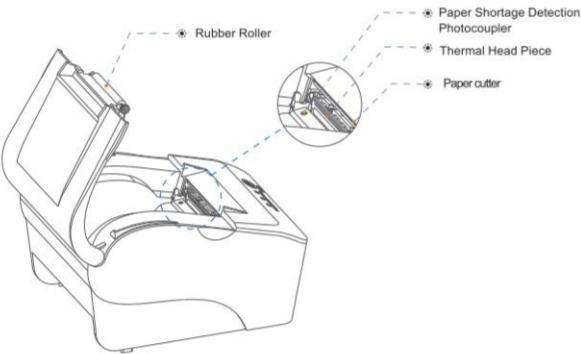
Front View



Rear View



Inside View



Application Field

- ECR POS system receipt printing
- Query/service system receipt printing
- EFT POS system receipt printing
- Measuring instrument information printing
- Sports, postal and civil aviation receipt printing
- Tax receipt and bill printing

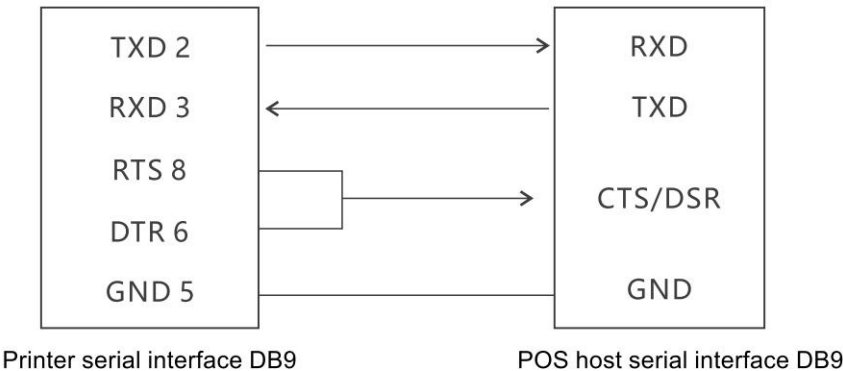
Serial Interfaces of Printers

The serial interface of 58mm thermal receipt printer adopts RS-232 standard. The communication baud rate is 4800bps, 9600bps, 19200bps or 38400bps optional (adjusting via DIP switch). It is parity-free, 8-bit data bit, 1-bit stop bit; RTS/CTS and XON/XOFF handshake protocols are supported.

The functions of each pin of the printer serial interface are defined as follows:

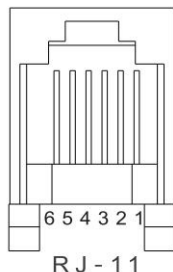
Pin number	Model	Signal source	Description
2	TXD	Printer	The printer sends data to the host.
3	RXD	Host	The printer receives data from the host.
8	RTS	Printer	This signal reflects the current status of printer. A high electrical level indicates that the printer is "busy" and cannot receive data, while a low electrical level indicates that the printer is "ready" and can receive data.
5	GND	-----	Signal ground
6	DTR	Printer	Same as RTS signal (pin 8).

Schematic diagram of connection between printer serial interface and POS host serial interface:



Cashbox Interfaces of Printers

The cashbox interface of the printer adopts RJ-11 standard, 6-wire socket, and outputs DC 24V/1A power signal to drive the cashbox. Insert the RJ-11 crystal connector of the cashbox into the cashbox interface to open the cashbox through the printer.



The functions of each pin of the cashbox interface of the printer are defined as follows:

Pin number	Signal	Description
1	NC	NC
2\5	Dk1	Negative pole of cashbox 1#
3	NC	NC
4	PWR	Positive pole of power supply/cashbox
6	NC	NC

☺ **Note:**Select the above interface definition and buy cashbox.

The Switch, Key and Indicator Light of Printer

6.1 Power Switch

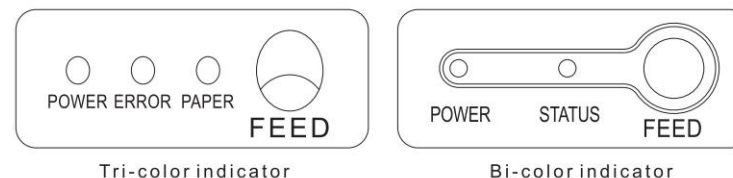
The power switch controls the flow of power to the printer. The power switch is located In front of the printer. When the "-" switch is pressed, the printer is turned on; When the "O" of the switch is pressed, the printer is turned off.

⚠ **Attention:** Make sure the power supply is connected before turning on the printer.

6.2 Keys and Indicators

The indicator of product A\D printers is a tri-color indicator, while that of product B\C is a bi-color indicator.

☐ The keys and indicator panel as shown in the following figure:



☐ The function description of keys and indicators:

Press the FEED button once to advance paper o hold down the FEED button to feed paper continuously.

Hold down the FEED buttonand turn on the product at the same time to print the self-test.

Tri-color indicator	Bi-color indicator	Indicator	Status
POWER Light (Green)	POWER Light (Green)	POWER Indicator	It is always on when connected to the power supply
ERROR Light (Red)	STATUS Light (Red)	ERROR Indicator	The ERROR indicator will flash in case of printer error, such as paper shortage, paper jam, overheating of print head, print head error or other abnormalities.
PAPER Light (Red)		PAPER Indicator	The PAPER indicator is always on in case of paper shortage and goes out if paper is detected by the paper shortage sensor.