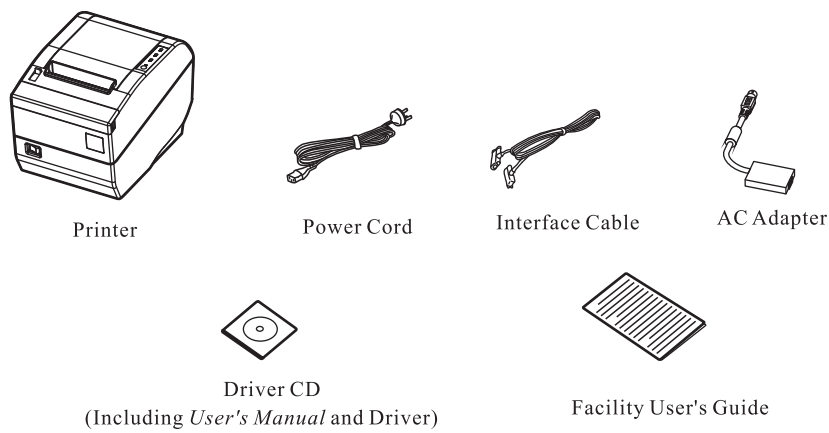


Facility User's Guide

Read all of these instructions carefully before using the printer.

Refer to the *User's manual* in the disc for more detailed operating instructions and application information.

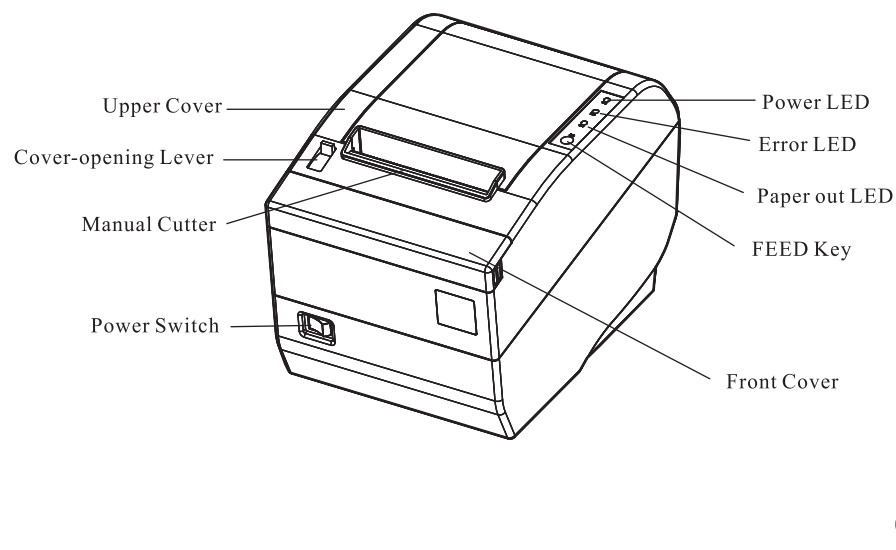
1. Unpacking & Checking



2. Removing the Protective Materials

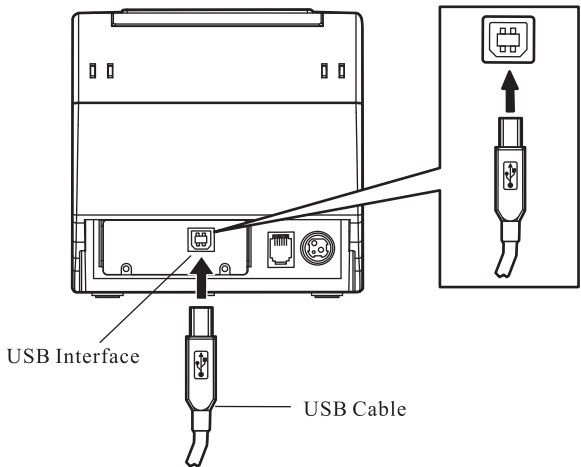
- 1. Open the packing box, take out the printer.
- 2. Save all the original packing materials so that they can be used when transporting the printer.

3. Main Parts of the Printer



Connecting the USB Cable

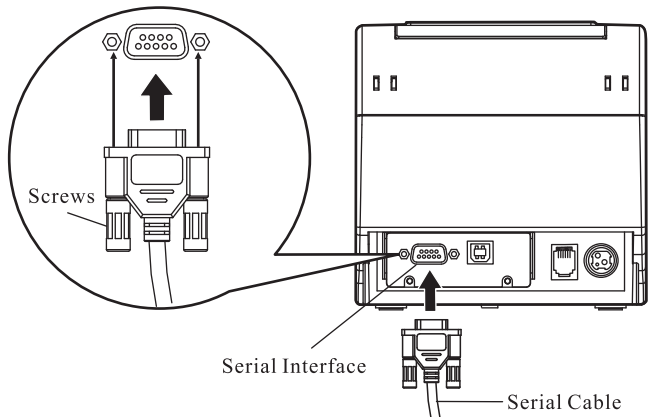
- 1. Plug the USB cable A end (flat shape) into the computer's USB interface.
- 2. Plug the USB cable B end (square shape) into the printer's USB interface.



Note: Please don't impact the plug after connecting USB cable.

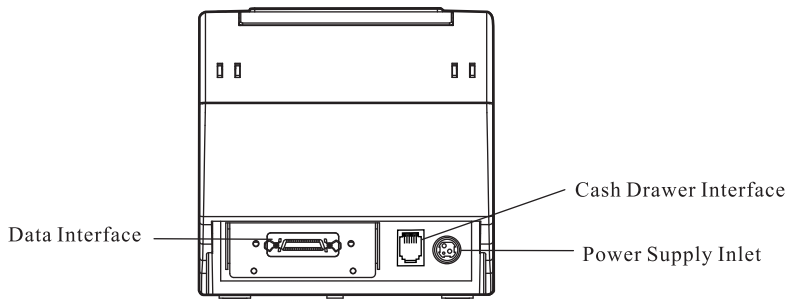
Connecting the Serial Cable

- 1. Make sure the computer and the printer are both turned off, connect the serial cable to the serial interface of the printer. Tighten the screws.
- 2. Connect the other end of the cable to the computer's serial interface and tighten the screws.



Connecting the Ethernet Cable

- 1. Plug the crystal end of the Ethernet cable (RJ-45) into the printer's Ethernet interface.
- 2. Plug the other end of the Ethernet cable into the LAN's entrance.



Interface

The products of this series are configured with a cash drawer interface, you can choose one of the following data interfaces when purchasing this printer.

- Parallel interface
- USB interface
- USB + Serial interfaces
- USB + Ethernet interfaces
- USB interface + Bluetooth
- USB interface + Wi-Fi

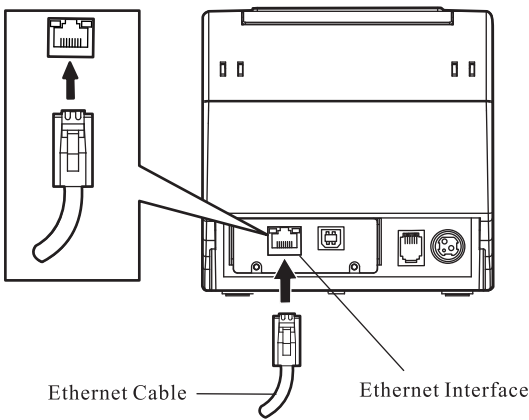
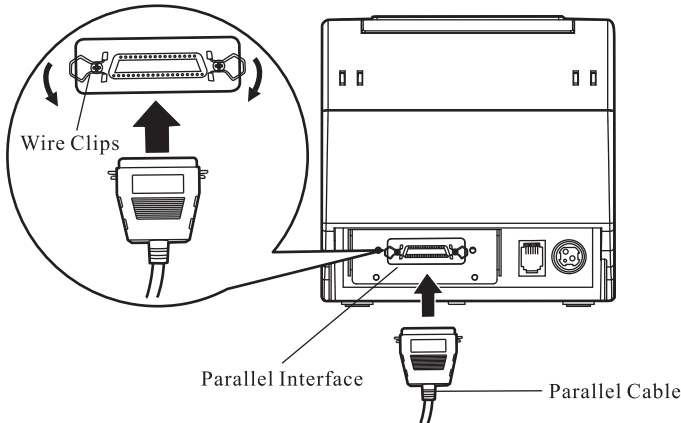
Note: 1. Please take the specific interface as standard.
2. Please contact the local dealer to change the interface with added expense if needed. Please refer to the *user's manual* for the detailed setting instructions of Ethernet interface, Bluetooth and Wi-Fi.

4. Connecting Computer or Other Equipment

Note: Before connecting or disconnecting the parallel cable, serial cable or cash drawer cable, make sure that the power of the printer is turned off. Also make sure the power cable plug is disconnected from the AC outlet. Or else it may damage the printer.

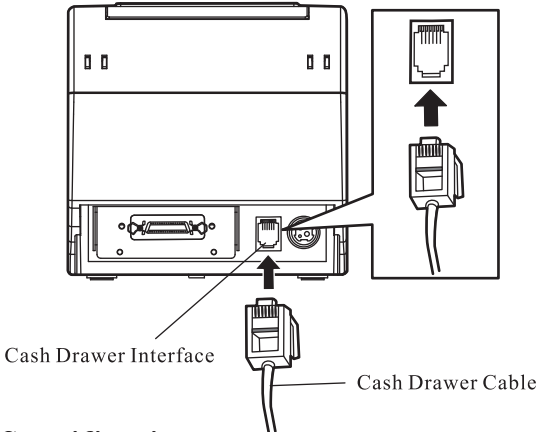
Connecting the Parallel Cable

- 1. Make sure the computer and the printer are both turned off, connect the parallel cable to the parallel interface of the printer and then fasten the wire clips.
- 2. Connect the other end of the cable to the computer. Tighten the screws to fix the parallel cable.



Connecting the Cash Drawer Cable

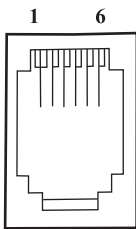
Turn off the printer and plug one end of the cash drawer cable into the cash drawer interface of the printer and the other end connects to cash drawer.



5. Cash Drawer Specification

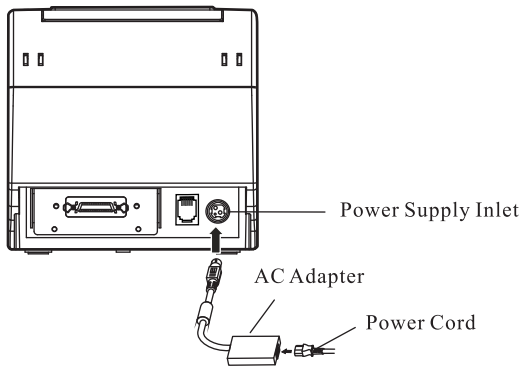
Note: Please make sure the cash drawer meets the specification mentioned below. Manufacturer will not honor warranty when using unauthorized cash drawer.

Pin number	Signal	Direction
1	Frame GND	---
2	Drawer drive signal	OUT
3	Drawer open/closed signal	IN
4	24V(DC)	OUT
5	Drawer drive signal	OUT
6	Drawer open/closed signal GND	---
Drive Current ≤24V/1A		



6. Connecting the Power Cord

- 1. Make sure the printer is turned off ("O" mark on the power switch is pressed down).
- 2. Make sure the voltage of the electrical outlet matches that of the AC adapter.
- 3. Plug the AC adapter into printer's power supply inlet.
- 4. Plug one end of power cord into the AC adapter, and then plug the other end of power cord into the grounded electrical outlet.



Caution:1. If the rated voltage doesn't match the outlet voltage, contact your dealer for assistance. Do not plug in the power cord.
2. Use the electrical outlet connecting the ground properly.
3. Please use the original AC adapter only. Manufacturer will not honor warranty when using unauthorized AC adapter.

7. Installing the Driver

Please use the interface cable to connect computer with printer, then turn on the computer and the printer, put the driver CD into the CD-ROM, install driver by the following way.

Auto-installing way
Double click the file "Setup.exe" in the driver disc, install driver by the following guide.

- Hand operated installing way**
The flow of hand operated parallel interface installing driver on windows 2000/XP/Vista system is as follows, please refer to the *User's Manual* about another systems.
- 1. Click "Start" → "Settings", select "Printers".
 - 2. Click "Add Printer", then a window of "Add Printer Wizard" pops up, click "Next", then please read the select guide carefully, for instance, select "Local printer" in the "Local or Network Printer" window, then click "next".
 - 3. A window of "Select the Printer Port" pops up, select a usable port. For instance, select "LPT1: (the recommended printer port)", click "Next".
 - 4. A window of "Manufacturers/Printers" pops up, click "Install From Disk".
 - 5. A window of "Install From Disk" pops up. Please according to the operating system environment you should select the path as follows: CD-ROM→"Driver"→"WIN2000(XP-Vista-Win7)", click "Open", then click "OK", go back to "Manufacturers/Printers", and then click "Next".
 - 6. Follow the guide to click "Next" gradually till the installation is finished.

Note: The installing ways for other Windows Systems, please refer to the *User's Manual*.

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9. Paper Specification

Note: 1. To assure the print quality, please make sure the print contents are within the printable area.
2. Please refer to the *User's Manual* for the detailed information of paper specification.

10. Control Panel

There are three LEDs and one key on the control panel. (As the figure on the right shown)

Key Function

Key	Function
【FEED】	【FEED】 controls paper feeding, you can enable or disable the key's function with a command. When enable, the paper will be fed continuously if you press and hold on it, or stopped if you loosen it.

Indicator LED

LED	Description
POWER	Indicate whether the printer's power supply is connected or not. The LED is on when the power is connected.
ERROR	Indicate printer's state. The LED is on when the abnormality appears.
PAPER OUT	Indicate printer's paper state. The LED is on when paper out or is about to end.



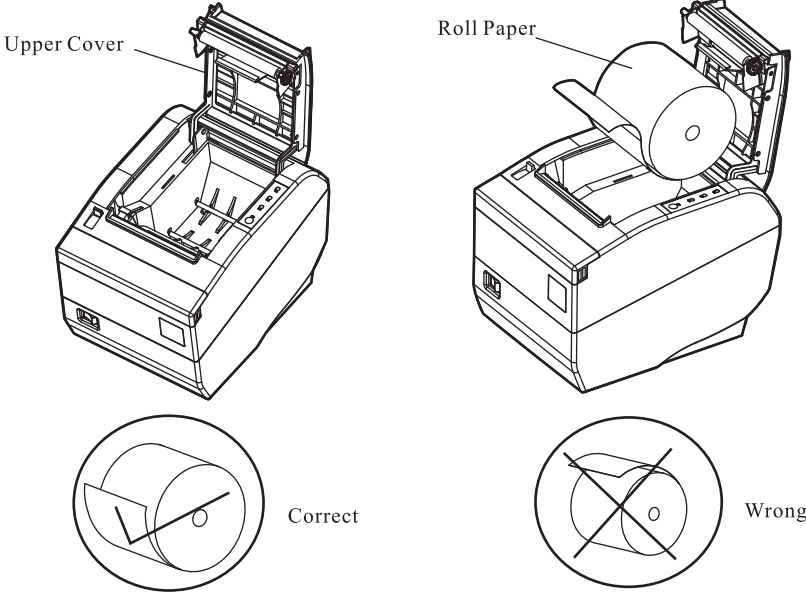
11. Error Message on the Panel

ERROR LED	PAPER OUT LED	Reason	Solution
BLINK FAST	OFF	Auto cutter error	Reposit the auto cutter
ON	OFF	Upper cover is open	Close the cover tightly
OFF	BLINK	Paper is about to end	Load the paper again
ON	ON	Paper out	Load the paper again
BLINK	OFF	Print head overheating	Recover automatically after cooling down

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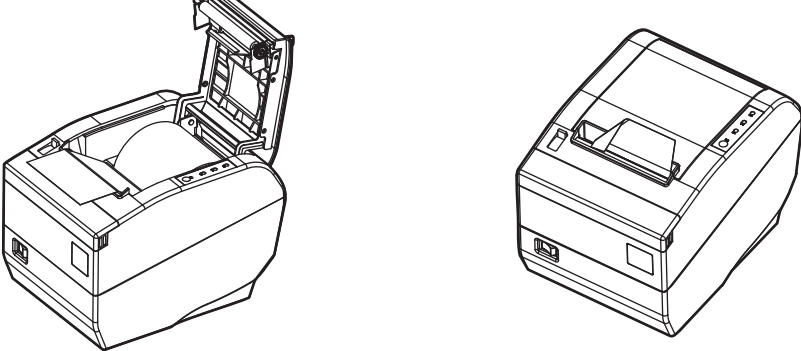
8. Installing the Roll Paper

- 1. Pull the cover-opening lever, open the upper cover.
- 2. Insert the roll paper as shown below.



Note: Paper head should be placed down and pulled towards the paper-input slot, but not the opposite.

- 3. Pull out a small amount of paper.
- 4. Put the paper as shown below, and then close the upper cover.

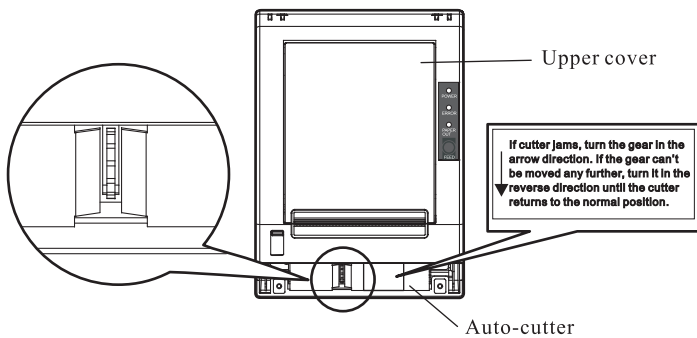


Note:1. After finishing installing the paper, if PAPER OUT LED and ERROR LED are still on, or the printer makes strange noise when feeding paper, please open the cover and re-close it tightly.
2. In order to ensure the printer life, stictly prohibit printing full line full black exceeding 2 cm.

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12. Auto-Cutter Jammed or Error

When the auto-cutter is jammed by paper, please open the upper cover of the printer and take out the jammed paper. If the upper cover can not be opened, as well as the auto-cutter still can not return to the normal position after the printer is restarted, please pull out the front cover which locates above the auto-cutter to expose the auto-cutter. Then turn the gear in the arrow direction. If the gear can't be moved in the arrow direction, don't force it, please turn it in the reverse direction until the auto-cutter returns to the normal position.



13. Printer Maintenance

Cleaning periodically and the cleaning tool
Periodical cleaning: every 3 months or every 300 working hours once
Cleaning tool: dry cloth (please use soft cloth to clean metal parts.)

Cleaning the spare parts
Please clean the oil covered spare parts with a piece of dry cloth.

Cleaning the paper feed platform
Wiping off wasted paper and cleaning dirt and dust.

Cleaning the photoelectric sensor part
As the paper feed sensor use a correlation photoelectric sensor. You should clean the parts periodically.
Clean the photoelectric sensor's shield every three months.

Note: 1. Turn off printer and pull out the power cord before cleaning.
2. If you have just finished using the printer, let the print head cool for a few minutes before you touch it.
3. Please use a soft cloth for cleaning, do not use combustibile solvent.

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