


5.5 Bluetooth Pairing and Printing (only valid for printers with Bluetooth)

Bluetooth printer needs to be paired with the main device driving the printer before working, and the pairing process is initiated by the main device.

The general pairing method is as follows:

- (1) Turn on the printer.
- (2) The main device searches for external Bluetooth device.
- (3) If there are multiple external Bluetooth device, select the printer corresponding to MAC address. (see self-test page for details.)
- (4) Enter the initial password "0000" or "1234".
- (5) Complete the pairing.

Please refer to the Bluetooth function description of the main device for the specific pairing method. When pairing, the label printer with Bluetooth interface must be on.

 **Note: During pairing, please do not turn on multiple printers at the same time, otherwise you may not be able to judge which printer was successfully paired.**

After successful pairing, other host computers can still be paired with the printer, and each printer can be paired with up to 8 host computers. If more upper computers are paired with printers, the host computer paired with the printer at the earliest will be automatically removed from the pairing list by the printer. At this time, if this host computer needs to drive the printer for printing, it needs to be paired again. (For multi-connected Bluetooth only.)

5.6 Use Bluetooth Interface for Printing (only valid for the printers with Bluetooth)

For host computers with virtual Bluetooth serial ports (such as mobile phones using SMARTPHONE, POCKET PC, PALM, notebook computer, etc.), after successful pairing, printing data can be sent to the printer via the virtual Bluetooth serial port for printing. If the host computer does not have a virtual Bluetooth serial port, when you want to drive the printer for printing, please consult the supplier of the host computer.

VI. The Switch, Key and Indicator Light of Printer

6.1 Precautions for power switch/use

- (1) Turn the printer power switch to on (1) state, and the printer will be turned on.
- (2) Turn the printer power switch to on (O) state, and the printer will be turned off.
- (3) Turn off the printer with power switch. If you pull the power plug directly, it is easy to damage the internal circuit of the printer and cause print data loss.
- (4) After power-off, wait for a while (not more than 5 seconds) before turning on the printer again otherwise it is likely to cause a failure.
- (5) Please use the original battery of this machine, otherwise it may lead low print quality or damage to the printer.



Attention:

Make sure the power supply is connected before turning on the printer.

6.2 Keys and Indicators

Function description of buttons

Scenarios	Button operation	Corresponding functions
Power Off	Press and hold + turn on the printer	Print self-test page
Standby	Press and hold 3S	Enter label specification learning mode
Open the cover	Press and hold 10 S	Restore factory settings
Standby	Press	Automatically feed one blank label sheet
Continuous printing process	Press	Pause printing
Pause printing	Press	Continue printing

Indicator description

Indicator status	Status description	
Indicator always lights up	Normal standby	
Indicator flashes	Buzzer alarm	
Buzzer alarm (common)	2 Sounds	Printer mechanism error
	3 Sounds	Paper shortage error
	5 Sounds	Overheating error
	6 Sounds	Cover opening error
	7 Sounds	Seam label error

VII. Printer Test

7.1 Print Self-Test Page

When the printer is initially installed or there are any problems with the printer, you can run self-test program to confirm the following status: firmware version, printer parameter setting status, print quality, and related setting information of external devices, etc. After confirming that there is no problem with the printer after the self-test, please check other devices or software. This function runs independently of other devices or software.

The self-test method is as follows:

- (1) Confirm that the printer is connected to power supply and the paper roll is loaded correctly.
- (2) Confirm that the printer is turned off and the top cover is closed in place.
- (3) Press and hold the FEED button, then press the POWER button to turn on the printer; release the button after the printer is turned on.

7.2 Print with the Window Driver

- (1) To install Windows driver, please refer to "Driver Installation Instruction".
- (2) Set the "port" of the Windows driver as the appropriate interface to use.
Print the test page with the "Print test page" function of Windows driver.


7.3 Label Learning

 **Note: In the following cases, the user can perform label positioning learning so that the printer can better position the label:**

- Install and use the printer for the first time.
- First use of printer after sensor cleaning.
- Reuse the printer after it is not used for a long time.
- Replace with a new type of paper roll.
- The printer cannot recognize the mark effectively during printing.

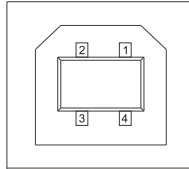
When the printer is ready, press and hold the FEED button for 3s until the standby status indicator flashes twice, release the button, and the printer will start learning and feed paper. If the printer learns under continuous paper mode, the learning is invalid.

Users can also complete the learning through the printer tool software. (refer to "Instruction for Printer Setting Tool".)

 **Note: After learning, you can re-open the top cover and place the blank label paper just fed during learning back for printing to avoid paper waste.**

VIII. USB Interface

The printer's USB interface socket is standard USB type-B



PIN	SIGNAL NAME
1	VBUS
2	D-
3	D+
4	GND

IX. Cleaning the Printer

9.1 Cleaning the Printer Head

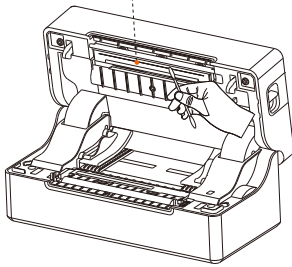
Clean the print head when one of the following conditions occurs to the printer:

- (1) Printing is not clear.
- (2) A vertical column of the printed page is not clear.
- (3) The paper feeding noise is high.

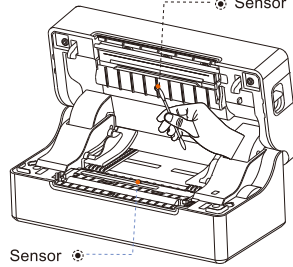
The print head cleaning steps are as follows:

- (1) Turn off the power supply of the printer, , open the upper cover and remove the paper if exists.
- (2) If printing has just been completed, wait for the print head to cool completely.
- (3) Clean the printer head with a soft cotton moistened with ethyl alcohol.
- (4) After waiting for absolute ethyl alcohol to volatilize completely, close the upper cover and try printing again.

Rubber Roller



Sensor



Sensor

9.2 Cleaning the Sensor

Clean the paper shortage sensor when one of the following conditions occurs to the printer:

- (1) In the printing process, the printer occasionally stops printing and alarms for paper shortage.
- (2) No alarm for paper shortage.

The paper shortage sensor cleaning steps are as follows:

- (1) Turn off the power supply of the printer, open the upper cover, and remove the paper if there is any.
- (2) Wipe off the dust and stain on the sensor surface with soft cotton cloth (which should be dried) dipped in absolute ethyl alcohol.
- (3) After waiting for absolute ethyl alcohol to volatilize completely, close the upper cover and try to start the machine again.

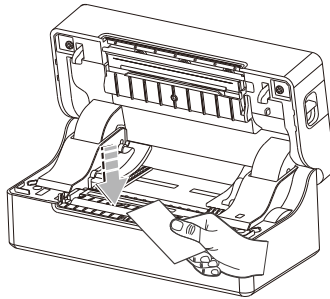
9.3 Cleaning the Printing Rubber Roller

When one of the following conditions occurs to the printer, the printing rubber roller should be cleaned:

- (1) Printing is not clear.
- (2) A vertical column of the printed page is not clear.
- (3) The paper feeding noise is high.

The printing Rubber Rollers cleaning steps are as follows:

- (1) Turn off the power of the printer and open the upper cover.
- (2) Use a soft cotton cloth (which should be dried) dipped in a neutral detergent to wipe off dust and stains on the surface of the printing rubber roller.
- (3) Close the upper cover after the cleaning agent is completely volatilized.



Attention:

- (1) The power supply must be turned off during the daily maintenance of the printer.
- (2) Do not touch the surface of the print head with hands and metal objects, and do not scratch the surface of the print head, printing rubber roller and sensor with tweezers and other tools.
- (3) The organic solvents such as gasoline and acetone shall not be used.
- (4) Wait until absolute ethyl alcohol is completely volatilized, then turn on the power supply to continue printing.

X. Troubleshooting

The table below shows common problems and solutions for operators.

If you have followed the simple troubleshooting methods but the printer is still not functioning properly, please contact the customer service department of your dealer for assistance.

Fault Phenomenon	Cause	Solution
POWER indicator is off	<ul style="list-style-type: none"> a. The AC plug and the power supply plug are not properly connected to the printer socket. b. The printer power switch is not on. 	<ul style="list-style-type: none"> a. Check the power connection and confirm that the AC plug and the power supply plug are properly connected to the printer socket. b. Turn on the printer.
Unable to print	<ul style="list-style-type: none"> a. The communication cable is not properly connected to the printer and PC host. b. Communication interface setting error. c. Print status error. 	<ul style="list-style-type: none"> a. Reconnect the communication cable.
Incomplete print content	<ul style="list-style-type: none"> a. The paper is not centered. a. Label size setting is incorrect. 	<ul style="list-style-type: none"> a. Adjust the paper position. b. Set the correct label size.
Incorrect positioning	<ul style="list-style-type: none"> a. Label learning is not performed. b. Seam label detection photocoupler is offset. c. Wrong mode selected. 	<ul style="list-style-type: none"> a. Label learning is performed. b. Open the cover to confirm whether the seam label detection component is offset. For black label paper, move the seam label detection component according to the black label position so that the detection photocoupler can detect the black label. Label paper/continuous paper: The detection photocoupler must be in the paper range. c. Use the setting tool to open the printer information and confirm whether the paper type is the same as the paper loaded in the printer, which can be changed by using the setting tool.
Poor print result	<ul style="list-style-type: none"> a. Paper loading error. b. Print density/speed setting error. c. Print head/rubber roller has dust or adhesive accumulation. d. The print head is damaged. 	<ul style="list-style-type: none"> a. Reload the paper. b. Readjust the print density/speed of printer by using the setting tool or the software. Printing density can be coarsely tuned with the setting tool and finely tuned with the driver. c. Clean the print head/rubber roller. (refer to 8.1 "Cleaning Print Head"/8.2 "Cleaning Sensor"/8.3 "Cleaning Printing Rubber Roller" of the Manual.) d. Use the setting tool to detect bad point of head piece. If the print head is damaged, please contact the customer service department of your dealer for repairs.

. FCC WARNING

Any Changes expressly or modifications not approved by the party responsible for compliance could void the user's authority to operate the equipment. This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

(1)This device may not cause harmful interference, and(2)This device must accept any interference received, including interference that may cause undesired operation.

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. used for a long time, remove the battery and store it separately.

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.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment .

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.



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