

80mm Series Thermal Receipt Printer

-Instruction Manual

Printer drivers and tools download link :
www.cnfujun.com/d/100

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Statement

While every precaution has been taken in the preparation of this manual, but we can not guarantee the contents of this manual entirely correct, because our products have been continuously improved and updated, so it can not be amended at any time the company reserves the right to promptly notify the user if necessary with the product-related Further information can be linked with the dealer.

Safety Precautions

This section presents important information intended to ensure safe and effective use of this printer.

WARNING:

- ▲ Scratch Warning: Never try to touch the auto cutter or jagged teeth.
- ▲ Scald Warning: To avoid being burned, please do not touch the printer head.
- ▲ Shock Warning: Please cut off the power before you Plug/Unplug the power cable from the printer.

Cautions:

- 1) Please apply the power adapter to a stable voltage (110-220V), please do not use other devices on the same power outlet to avoid voltage fluctuation.
- 2) Install the printer on a flat and stable surface to avoid the printer suffering from any vibration and shocks.
- 3) If water or other liquid spills into the printer, unplug the power cord immediately and contact your dealer or service center for advice.
- 4) Disconnect the power cord if the printer is idle for a long time.
- 5) Please ensure the switch button is "off" before you plug the power cord.
- 6) The printer should only be disassembled or repaired by a technician.
- 7) Please strictly follow the recommended use tips of this manual.

1.Product Information

The main features of our Newly 80mm Thermal printers:

- High-quality printing,High-speed and strong stability;
- Interface (Serial RS232 / RJ45 Ethernet / USB / Bluetooth)
- Android device can be supported if connect with USB /Bluetooth
- IOS device can be supported if connect with RJ45 Ethernet / Bluetooth

1.1 Technical Parameters and Features

Printer Method	Line Thermal
Print Speed	220-300mm/s
Fonts	simplified Chinese 24x24 point. support GB18030 font library,support Taiwan and HK traditional(complex font), Korean and Japanese
Character Size	576dot/line or 512dot/line ANK Character Font A:12*24dot,1.5(W)*3.0(H)mm Font B:9*17dot,1.1(W)*2.1(H)mm FontC:9*24dot, 1.1(W)*3.0(H)mm Simplified/Traditional:24*24dot,3.0(W)*3.0(H)mm
Extended Character Table	OEM437/Katakana/OEM850/OEM860/OEM863/OEM865 WestEurope/Greek/Hebrew/EastEurope/Iran/WPC1252/OEM866/ OEM852/OEM858/IranII/Latvian/ Arabic/PT151,1251/OEM747 /WPC1257/Vietnam/OEM864/Hebrew/WPC1255/Thai
Logo / Trademark	Download and printing support
Interface	USB/Bluetooth
Print Command	ESC/POS Command
Roll Width	79.5±0.5mm(Print Width72mm)
Roll Diameter	80mm
Paper Thickness	0.06-0.08mm
Auto Cutter	Partial Cut
Codes type	UPC-A / UPC-E / JAN13(EAN13) / JAN8(EAN8) / CODE39 / ITF / CODABAR / CODE93 / CODE128 /
2D Barcode	QR CODE
Temperature	0-45℃
Contrast Humidity	10-80%
Driver	Windows/Mac OS/Linux

2.Communication Ports

2.1 Universal Serial Bus (USB Port)

Connect the printer with the standard usb cable(usb device types are automatically) , once printer is connected with the PC, install the driver , then choose the corresponding port accordingly.

2.2 RJ45 Ethernet Port (10M/100M)

With this port, we can use the network cable and connect the computer directly, communication and the port number is 9100;

3.Basic Function Operation

3.1 Indicator Light & Printer Status

The printer has 3 Led Indicators(Power / Error and Paper Out),Power indicator will lights on once power is plugged in. And Error Led will lights on when any error arose (Paper Out / Temperature is too high / mal-position of the carriage unit on the print head); We can press the "FEED" button to test the paper feeding function if the power indicator looks well.

3.2 Printer Operation

- Switch on: Ensure the adapter properly connected with the printer, press the switch on the "1"position, printer turns on.
- Switch off: Press the switch on the other side "O".
- Paper Feeding: Press " FEED " button when powers on, paper will keep running & stop to run when release this button.
- Selt- Test Page : Switch off the printer then press "FEED" button and do not release. Press the "POWER" button at the same time till the " PAPER OUT " indicator on, release the button then we can read the current setting from the test page.
- Hexadecimal printing:Power off the printer, press "FEED" button & do not release, press "POWER" button at the same time until the " PAPER OUT " indicator on, release the "FEED" button about 3 seconds after the " PAPER OUT " indicator off , then the printer run into Hexadecimal printing model. The way to quit Hexadecimal printing model is just restart the printer.

4.Clean the Print Head

We need to clean the print head if problems as below.

- ① Printing is not clear, but thermal paper is ok;
- ② Some columns on the printed pages are not clear
- ③ The paper feeding is noisy

Cleaning steps

- 1.Power off ,open the printer cover and take away the paper roll.
- 2.Wait for a while if the printer is just finished printing.
- 3.Use a soft brush or wrung-out ethanol immersed cotton to clean the print head. Remember to turn on the gear while lubricating to ensure a completely lubricated;

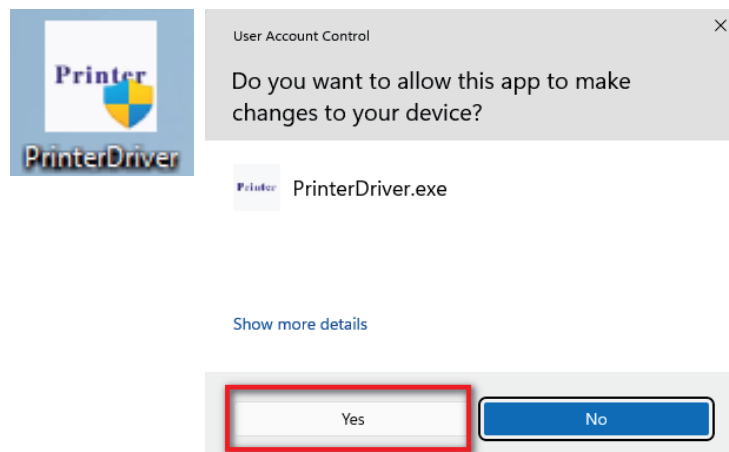
Notice:

- Make sure the printer is power off during the maintenance.
- Hands or other metal tools away from the surface of the printer head,do not use tweezers to scratch the surface of the printer head and other sensitive parts.
- Do not use gasoline,acetone and other organic solvents for printer head cleaning.

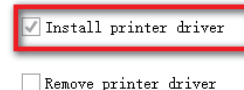
5.Driver Installation and Communication Methods

5.1 Driver Installation

1. click the link www.cnfujun.com/d/100 to download printer driver, Find the “Printer Driver.exe” file , double-click to open , as shown below :



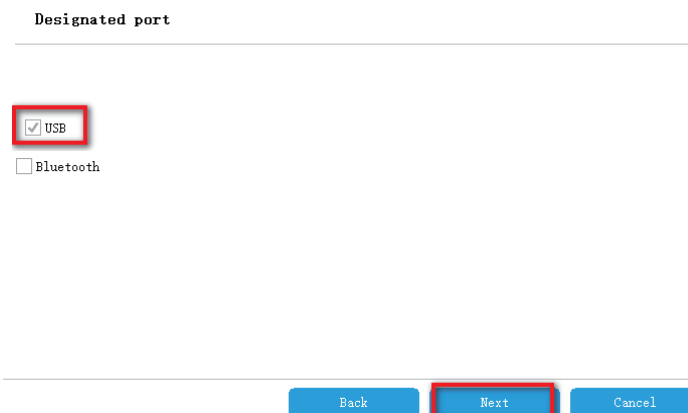
2. After clicking “Yes” , select “Installing the Printer Driver” and click “Next” , as shown below :



3. Specifying Ports :

3.1 USB Port Connection.

① Select the USB port and click “Next” , as shown below :



②. Click “Next” (Note : If the printer is not powered on or the USB cable is unconnected with the computer, the installation cannot continue. Make sure the printer is powered on and the USB cable is connected with the computer.) , as shown below :

Select USB printer

	USB port	FID-VID
☒	USB001	VID_0416 PID_5011

USB test

Back Next Cancel

③. Default selected model , click “Next” , as shown below :

Designated printer

	Model	Port	Status	Installation status
☐	POS-58			
☒	POS-80			

Back Next Cancel

④. Default generated the printer name , click “Next” , as shown below :

Designated printer name

Enter the name of the printer

Printer name: POS-80

☒ Use this printer as the default printer

Back Next Cancel

⑤. Prompt to prepare to install the driver , click “Next” , as shown below :

Prepare to install driver

Driver name: POS-80 11.3.0.1

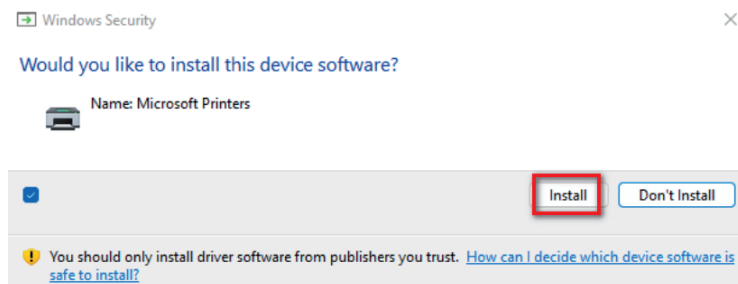
Port name: USB001

Printer name: POS-80

Set as default printer or not: Yes

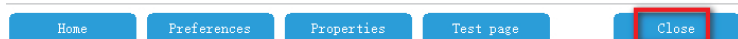
Back Next Cancel

⑥. As shown below , if show Windows Security ,click “Install”,that means all setting is OK (The printer will automatically print a test page) , click “Close” .



Installing the driver

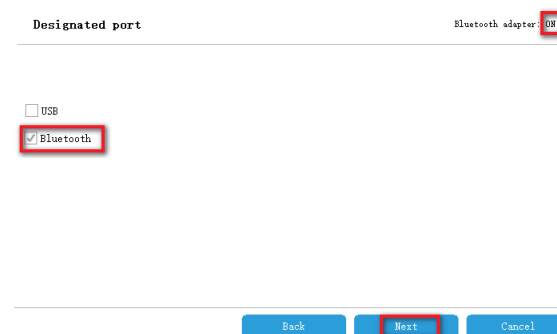
17:49:16.416 : Start copying the file...
17:49:16.588 : The file is copied.
17:49:16.832 : Start installing the driver...
17:49:18.721 : Driver was installed successfully
17:49:18.723 : Start adding printer...
17:49:19.869 : **Printer was installed successfully**



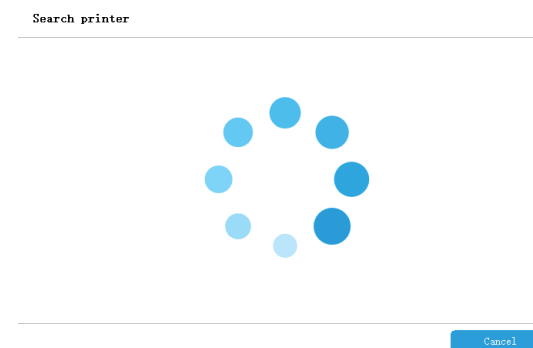
Congratulations , you have completed the USB port printer driver installation . Now you can print the files we need !

3.2 Bluetooth Port Connection.

①. Select the “Bluetooth” port and click “Next” , (Note : If the computer does not have Bluetooth or Bluetooth is turned off , the installation cannot continue . Make sure the computer Bluetooth is turned on.) , as shown below :



②. The computer automatically searches for nearby Bluetooth devices . Please wait patiently for a while and select the printer with the default Bluetooth name “Bluetooth Printer” to connect . (Note : The printer self-test page will contain the printer’s Bluetooth name and Bluetooth address information.) , software default Bluetooth pairing code “1234” , click “Next” as shown below :



Select Bluetooth printer

	Name	Bluetooth Address
☒	Bluetooth Printer	66-32-36-FC-7C-05

Bluetooth pairing code:

1234

Back

Next

Cancel

③. Default selected model , click “Next” , as shown below :

Designated printer

	Model	Port	Status	Installation status
☐	POS-58			
☒	POS-80			

Back

Next

Cancel

④. Default generated the printer name , click “Next” , as shown below :

Designated printer name

Enter the name of the printer

Printer name:

POS-80

☒ Use this printer as the default printer

Back

Next

Cancel

⑤. Prompt to prepare to install the driver , click “Next” , as shown below :

Designated printer name

Enter the name of the printer

Printer name:

POS-80

☒ Use this printer as the default printer

Back

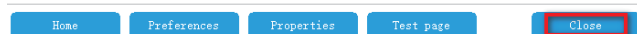
Next

Cancel

⑥.As shown below , that mean all setting is OK (The printer will automatically print a test page) , click "Close" .

Installing the driver

```
17:45:41.940 : Start copying the file...
17:45:42.168 : The file is copied.
17:45:43.345 : Start installing the driver...
17:45:48.503 : Driver was installed successfully
17:45:48.506 : Start adding printer...
17:45:49.644 : Printer was installed successfully
```



Congratulations , you have completed the Bluetooth port printer driver installation.
Now you can print the files we need !

6. General Troubleshooting

1. Printer self-test passes, no printing after driver installation?

Check driver installation validity and printer port selection. If all normal, send to designated maintenance shop.

2. Cash drawer cannot pop out?

Enable cash drawer function in driver. Inspect interface connection. Send for repair if connection is intact.

3. Paper detection malfunction?

Clean sensor with soft brush. Send to maintenance shop if problem remains.

4. Garbled printed content after long-time use?

Communication interface board damaged. Replace board or send for repair.

5. Control panel indicator off?

Check power cord, adapter and socket connection, confirm power switch is on. Send for repair if no faults found.

6. Network printer fails to print via router

Check network cable and router port. Ensure printer IP shares the same network segment and no IP conflict. Modify IP via bundled disc software. Ping IP to test connection; send for repair if disconnected.

7. Blurry Chinese print?

Adjust print density through settings tool in installation disc.

8. Paper cutter not functioning?

Confirm the model has cutter. Enable cutter function in driver. Send for repair if settings are correct.

9. Red light flashes with paper inside?

Print head overheating. Send for repair if printing still abnormal after cooling.

10. Install shared network printer driver?

Find shared printer in network neighborhood, double-click to install local driver.

11. Multiple computers use Ethernet printer simultaneously with intermittent communication interruption?

First check network stability. Perform self-test on each printer and verify unique MAC addresses. Modify duplicate MAC addresses to ensure no repetition in the network.

12. Handling water ingress into printer?

Power off immediately. Dry main board and internal parts with hair dryer, keep temperature around 50°C, avoid excessive heat.

13. Troubleshooting white streaks on prints?

Two cases:

1. White streaks only on self-test page, normal online printing

Solution: Replace damaged font chip

2. White streaks appear in all printing

Solution: Replace with functional print head. Send for maintenance if fault persists, indicating main board failure.

FCC WARNING

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.

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

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.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.