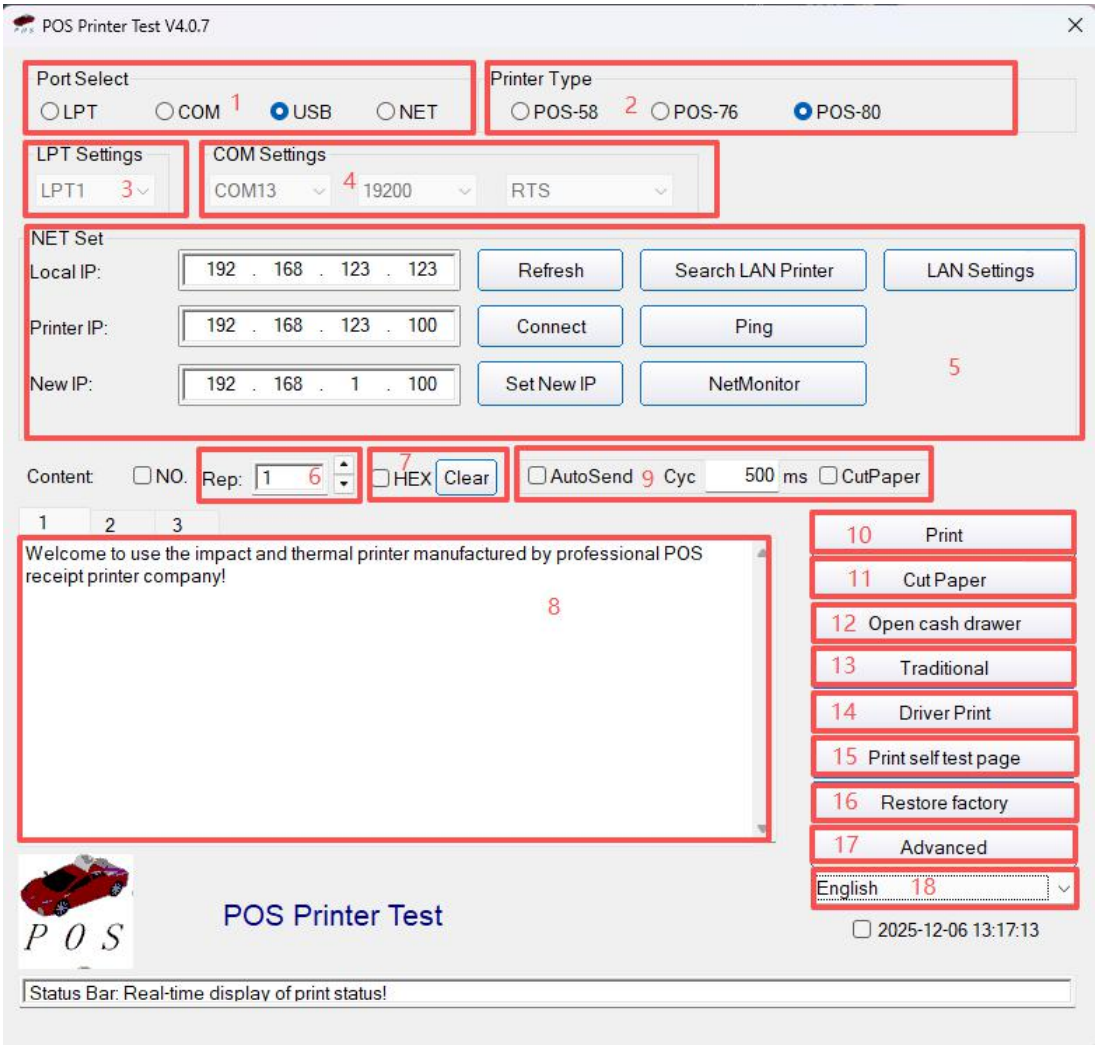
POS Printer Test V4.0.7 Test Tool User Manual

I.Main Interface Introduction



1、Communication Port Selection

Communication interface of printer: 4 opitons of parallel port, serial port, USB port and EthernetPort.

2、Printer Selection

Printers are classified into three types by paper media: POS-58, POS-76, and POS-80.

3、Parallel Port Settings

The parallel port settings must be consistent with the parallel port number settings for computer communication.

4、Serial Port Settings

Configure parameters such as the serial port number, baud rate, and flow control.

5、Network Port Settings

Modify the IP address of the network port printer through network port settings.

“Local IP”——Refers to the actual IP address of the computer. It can be obtained by clicking the "Refresh" button or manually entered.

“Printer IP”——Refers to the current IP address of the printer, which can be viewed in detail by printing the printer's self-test page. This is only applicable to network port printers.

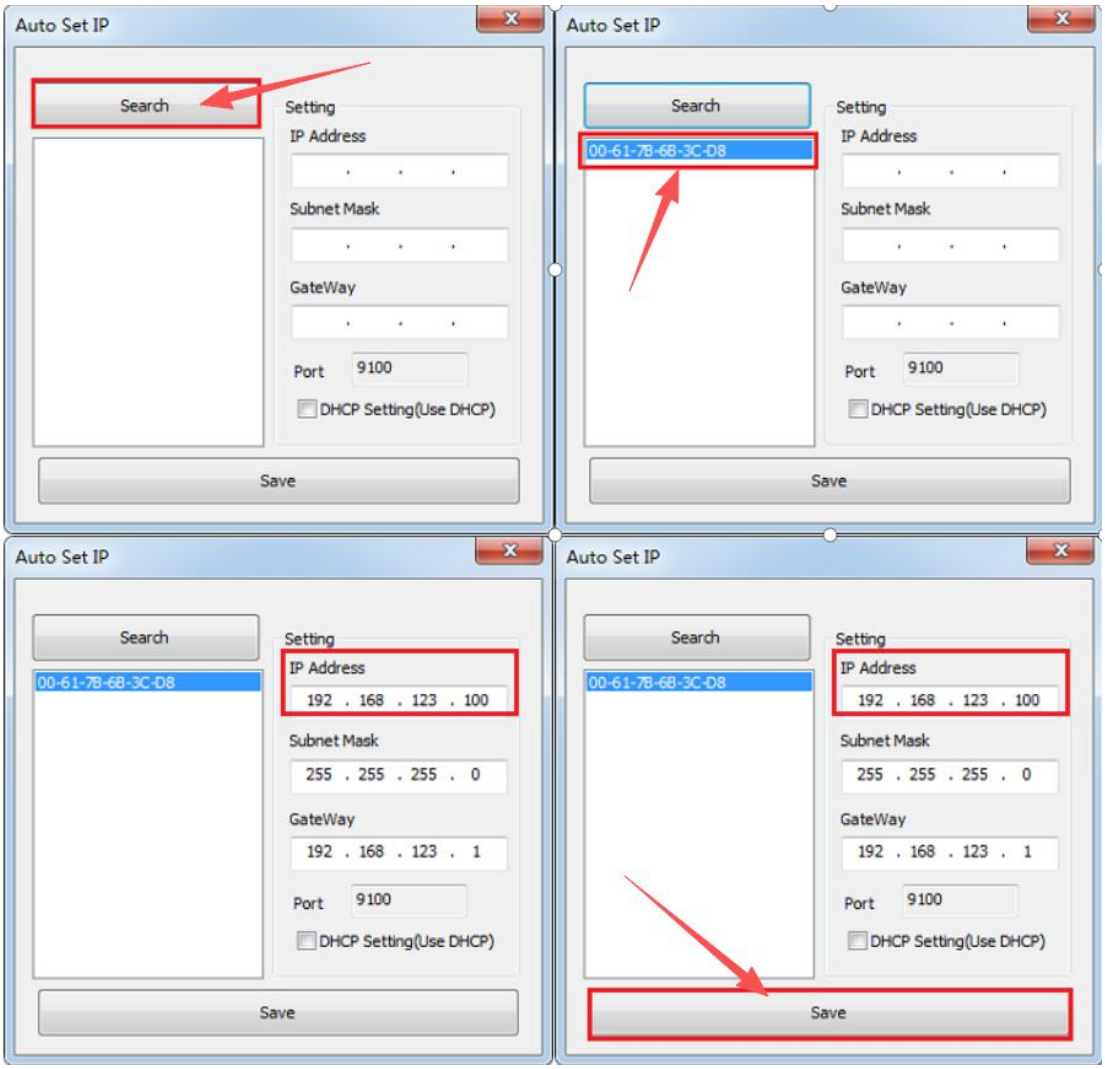
“New IP Address”—— Refers to the IP address to which the printer is to be changed (the printer's IP address must be in the same network segment as the IP address of the computer to be connected for communication).

Network port settings can be operated through a hub (HUB) or switch (SWITCH). Sometimes, modification cannot be performed through a router (ROUTER), and other methods can be used. Refer to the PDF instructions in the "IP Address Modification and Other Function Instructions" folder on the CD-ROM.

“Auto-Set IP”—— This function enables modifying the printer's IP address across network segments. The method for cross-network segment IP address modification is as follows:

(1) Click the "Auto-Set IP" button to enter the settings interface.

(2)Click the "Search" function in the settings interface. At this time, the MAC address of the connected printer will be displayed. Double-click the printer's MAC address to display the printer's current IP address and other information. After modifying the IP address, click the "Save" button, and the printer's buzzer will emit a "beep", indicating that the printer's IP address has been modified successfully.



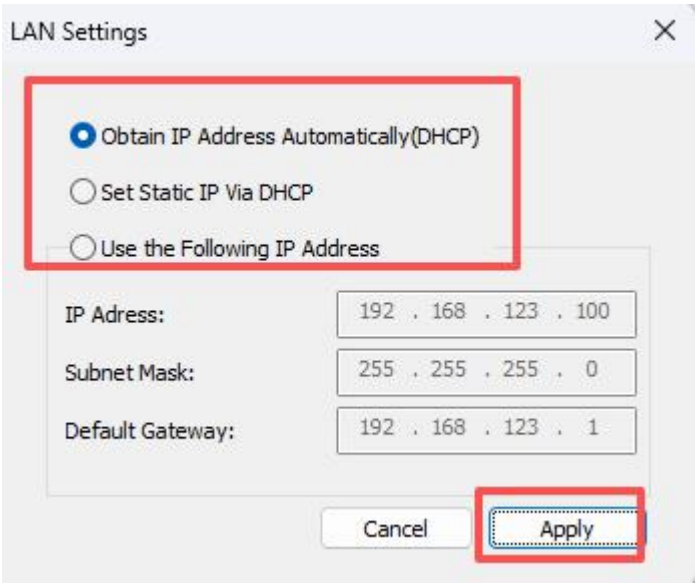
“Network Monitoring”—— Allows monitoring the printer status through the network.

“LAN Settings”—— Configures whether to keep DHCP enabled or disable it after obtaining an IP address via DHCP.

(1) Select "Obtain an IP address automatically (DHCP)" and click "Apply". After obtaining an IP address via DHCP, the DHCP function remains enabled.

(2) Select "Set to static IP after DHCP acquisition" and click "Apply". After obtaining an IP address via DHCP, DHCP is disabled and converted to a static IP address.

(3) Select "Use the following static IP address" to modify the IP address within the same network segment, and click "Apply" to complete the modification.



6、Print Times

The number of repetitions for printing the test content.

7、HEX

When selected, only hexadecimal data can be entered in the print content for data transmission (mainly used to send commands to the printer).

8、Print Content

Edit the content to be printed here, and send the data by clicking the "Print Test" button.

9、Auto-Send, Cycle, and Paper Cutting

“Auto-Send”—— After checking the "Auto-Send" button, the software will automatically send the data in the print content bar to the printer.

“Cycle”—— The interval time for automatic data transmission.

“Paper Cutting”—— Used in conjunction with the "Auto-Send" button. When both are selected, the printer will automatically perform paper cutting at the cycle interval.

10、Print

Prints the information and data in the "Print Content" edit box.

11、Paper Cutting

Tests the paper cutting function.

12、Open Cash Drawer

Tests the cash drawer function.

13、Traditional Chinese Test

Used to test printing traditional Chinese fonts.

14、Driver Printing

Invokes the installed Windows driver printer for printing tests. If information can be printed, the installation is successful.

15、Print Self-Test Page

Function to print the self-test page.

16、Restore Factory Settings

Restores the printer to its factory settings.

17、Advanced

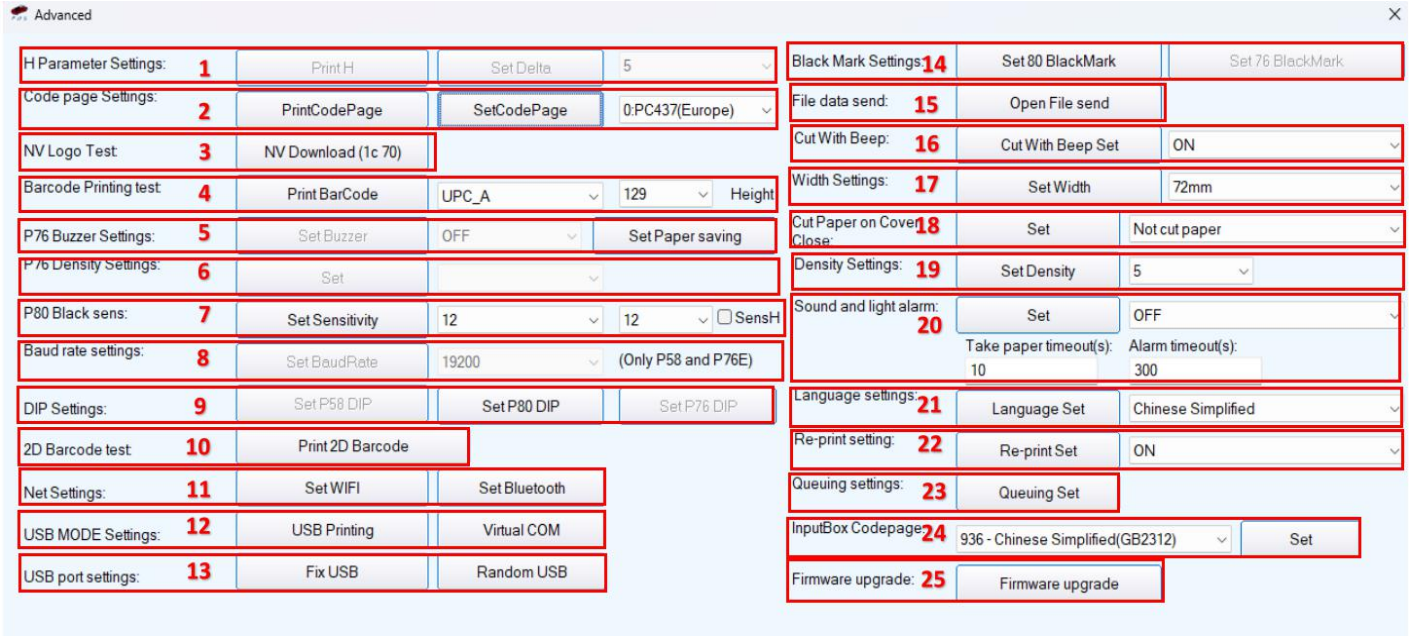
Click the "Advanced" button to set more functions for printing tests, with detailed introductions below.

18、Simplified Chinese

Used to switch the software language interface.

II. “Advanced” Settings Instructions

Click the "Advanced" button on the main interface to pop up the following interface:



1、Set Dot Matrix Printer Parameters

Mainly used to adjust the clarity of 76-series dot matrix printers. First, click "Print H Lines", and the printer will print 16 groups of H letters from 0 to F. Then select the clearest group and set it via "Set Delta Value".

2、Set Default Code Page

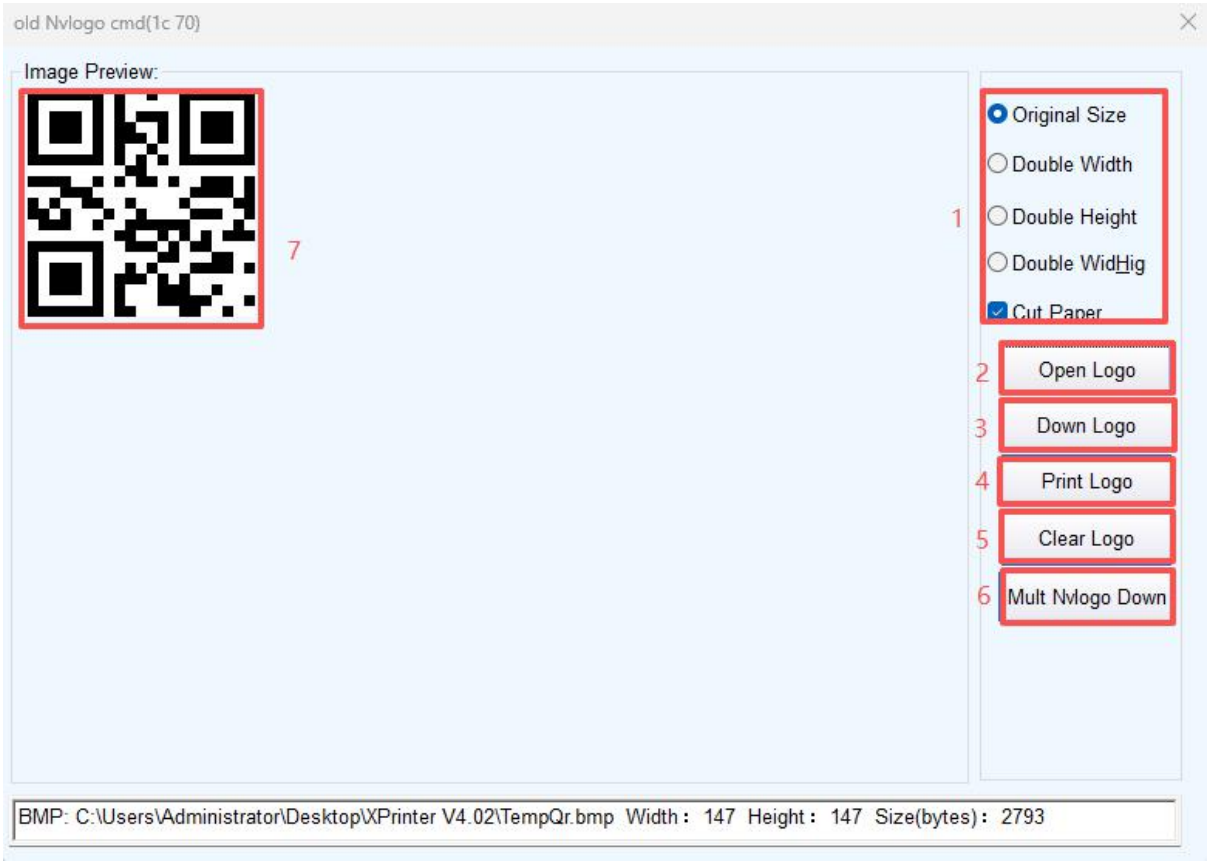
This setting is used to change the printer's default code page. The image below shows some code pages for the 80 series machines.



Simply choose the desired code page from the "Set Code Page" column and click "Set Code Page" to apply the setting. After setting, you can also click "Print Code Page" to view the configured code page.

3、NV Logo Demonstration

Click the "NV Download" button to pop up the following menu:



3.1 Requirements for the size of the printed NV LOGO and selection of paper cutting function.

3.2 Open LOGO:

Click to select the BMP format image or LOGO file to be printed.

3.3 Download LOGO:

Click the button to download the content of the opened BMP format file to the printer, which can be printed via "Print NV LOGO".

3.4 Print LOGO:

Click the button to complete the printing of the LOGO image.

3.5 Clear LOGO:

Clears the downloaded NV LOGO content.

3.6 Download Multiple NV LOGOs:

Multiple NV LOGOs can be downloaded simultaneously.

3.7 Display Current NV LOGO Content.

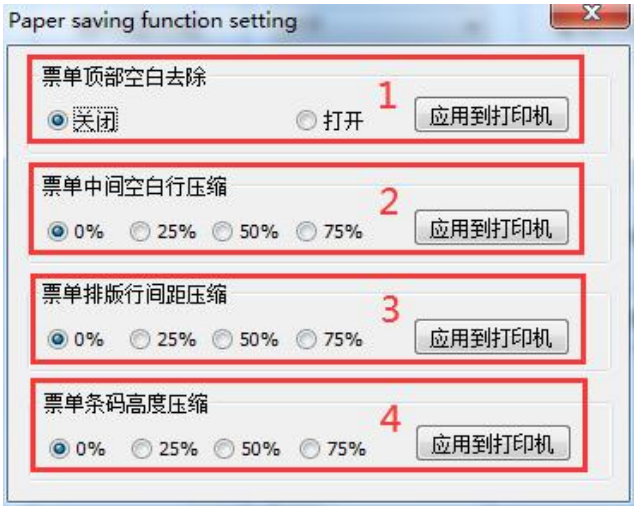
4、Barcode Printing Test

Select various barcode types and barcode heights for test printing, with a total of nine one-dimensional barcode options available.

5、P76 Buzzer Settings

5.1 Enables or disables the buzzer for some 76-series printers.

5.2 Paper Saving Function Configuration



5.2.1 Remove Top Margin of Ticket:

Refers to the 0A (line feed) and 20 (full line of spaces) at the top of the ticket. After the function is enabled, the top 0A line feed and 20 space lines will be removed.

5.2.2 Compress Blank Lines in the Middle of the Bill

Description of blank line in the middle of the bill: it refers to 0A (line feed) and 20(full line of spaces) in the

middle and at the bottom of the bill.

0%: Disable compression of blank lines in the middle.

25%,50%, 75%: Enable compression of blank lines in the middle based on the selected percentage.

5.2.3 Compress Line Spacing in the Bill Formatting

Note of ticket line spacing: it refers to the default line spacing (1B 33) and the set line spacing (1B 32 n).

0%: Disable line spacing compression.

25%,50%, 75%: Enable line spacing compression based on the selected percentage.

5.2.4 Compress Barcode Height in the Bill

0%: Disable barcode height compression.

25%,50%, 75%: Enable barcode height compression and compress it based on the selected percentage.

6、P76 Print Density Settings

Adjust the print effect for machines in the 76 series. There are three modes:LIGHT, NORMAL, DARK.

7、P80 Black Mark Sensitivity Settings

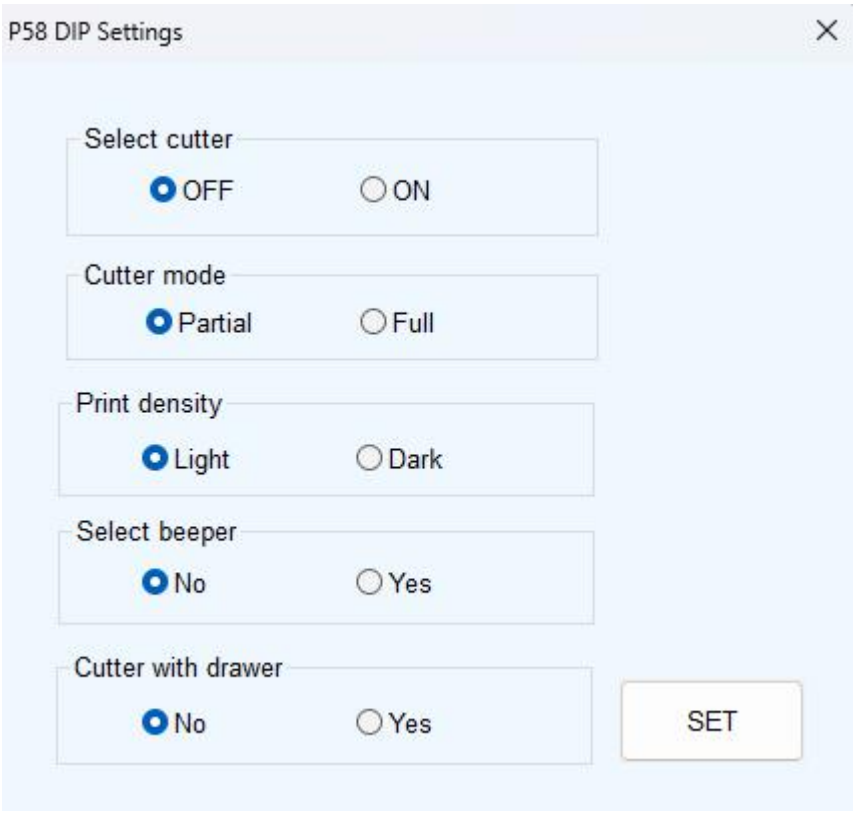
Adjusts the black mark sensitivity of 80-series printers according to different degrees of black mark paper. The black mark function must be enabled for this setting to take effect.

8、Serial Port Baud Rate Settings (only for 58 series and P76E)

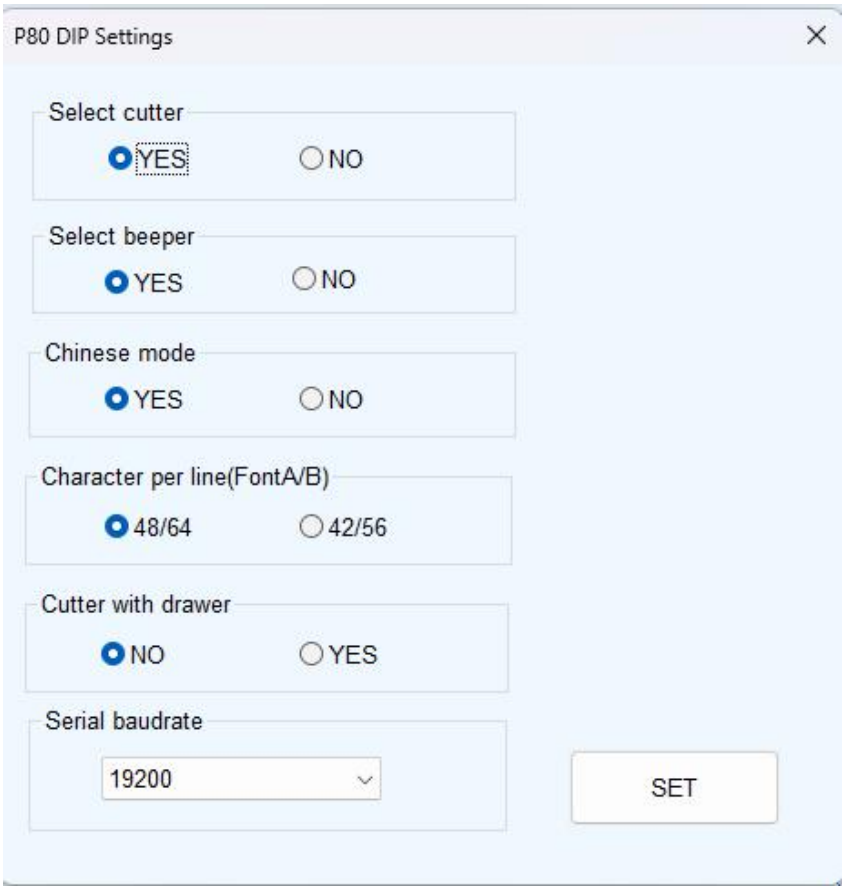
Supports setting different baud rates (e.g., 9600, 19200, 38400, etc.).

9、DIP Switch Settings

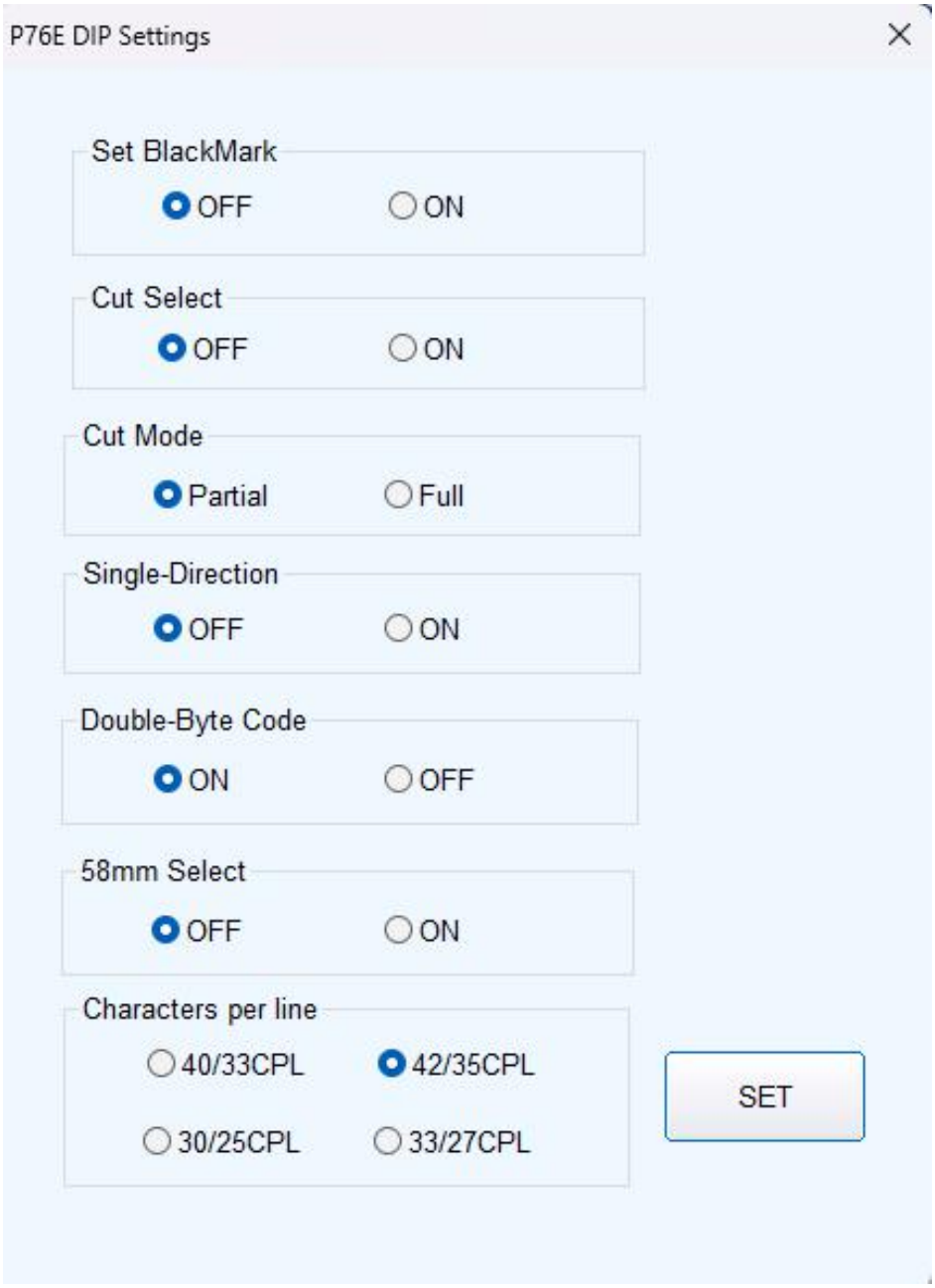
Divided into 58-series, 76-series, and 80-series (only for printers without DIP switches).


P58 DIP Settings
Select cutter
OFF
ON
Cutter mode
Partial
Full
Print density
Light
Dark
Select beeper
No
Yes
Cutter with drawer
No
Yes
SET

（58 系列）


P80 DIP Settings
Select cutter
YES
NO
Select beeper
YES
NO
Chinese mode
YES
NO
Character per line(FontA/B)
48/64
42/56
Cutter with drawer
NO
YES
Serial baudrate
19200
SET

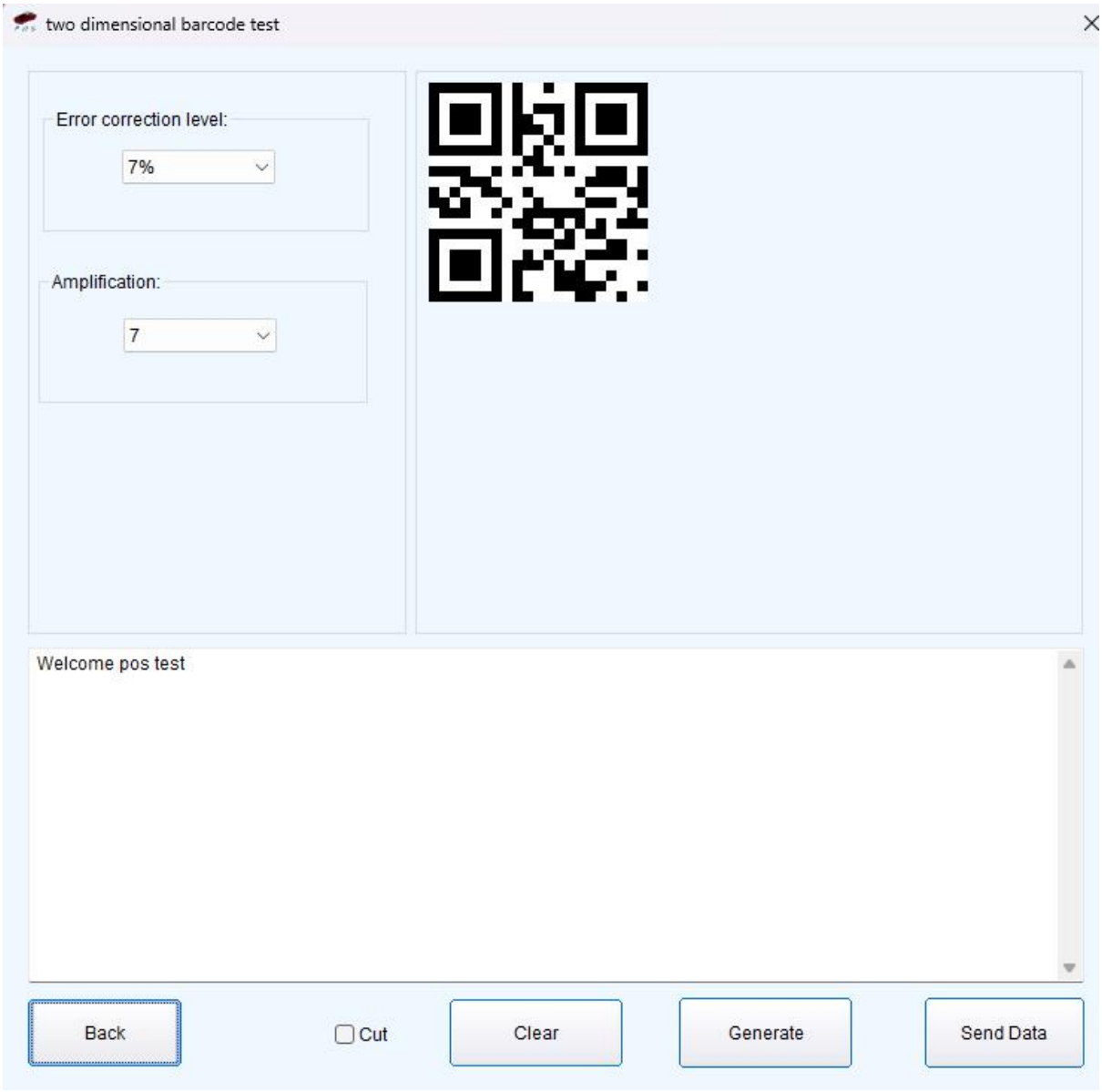
（80 系列）


P76E DIP Settings
Set BlackMark
OFF
ON
Cut Select
OFF
ON
Cut Mode
Partial
Full
Single-Direction
OFF
ON
Double-Byte Code
ON
OFF
58mm Select
OFF
ON
Characters per line
40/33CPL
42/35CPL
30/25CPL
33/27CPL
SET

（76 系列）

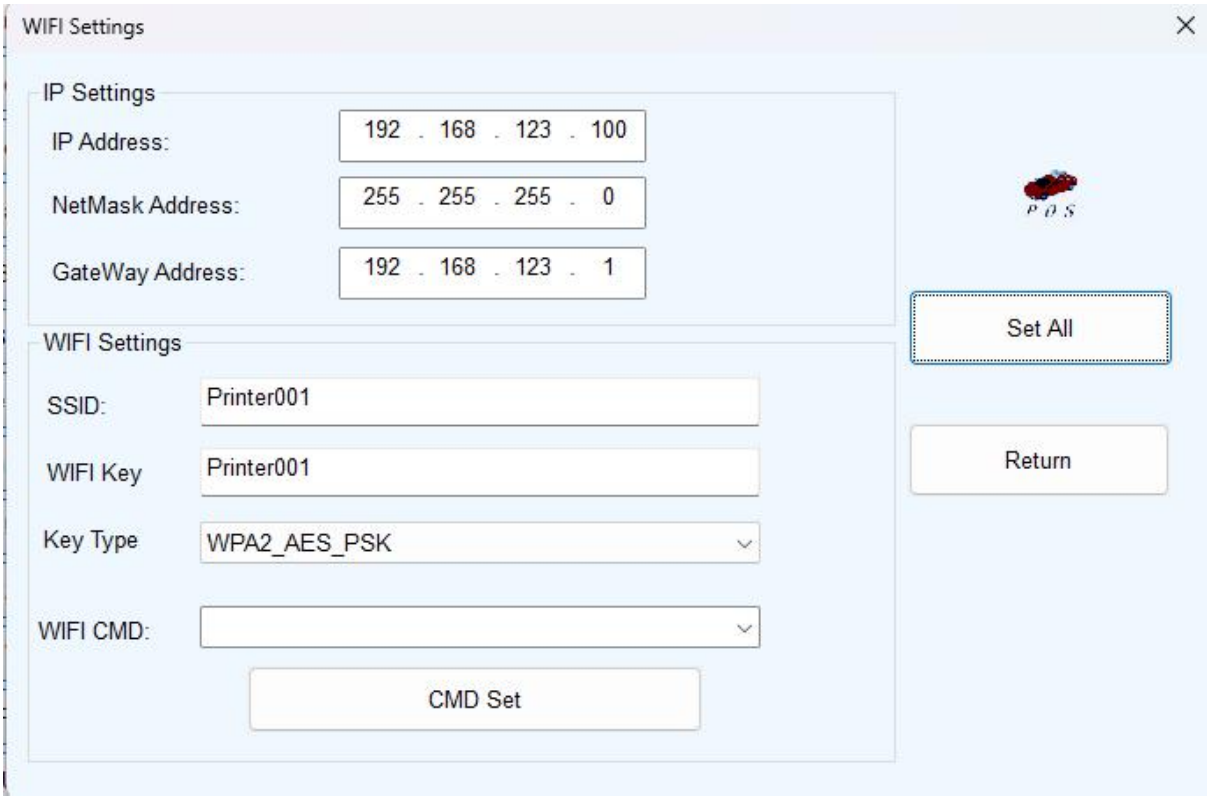
10. QR code test:

Edit and test printing of QR codes

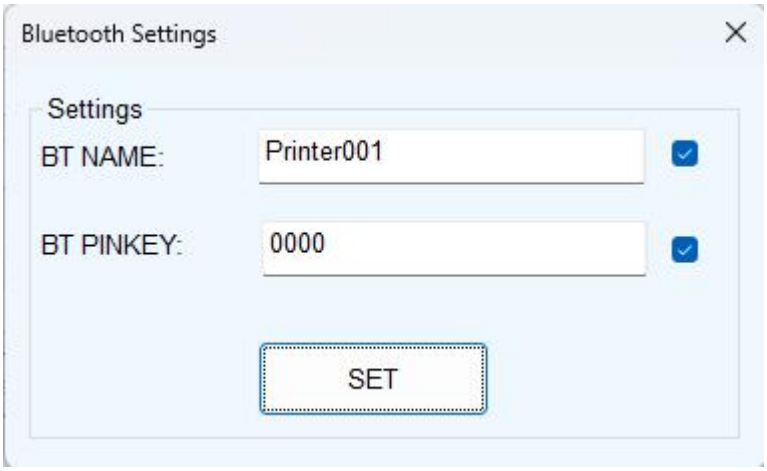


11、Network-Related Settings

Divided into "WiFi Settings" and "Bluetooth Settings".



（Network Settings）



（Bluetooth settings）

12、USB Mode Settings

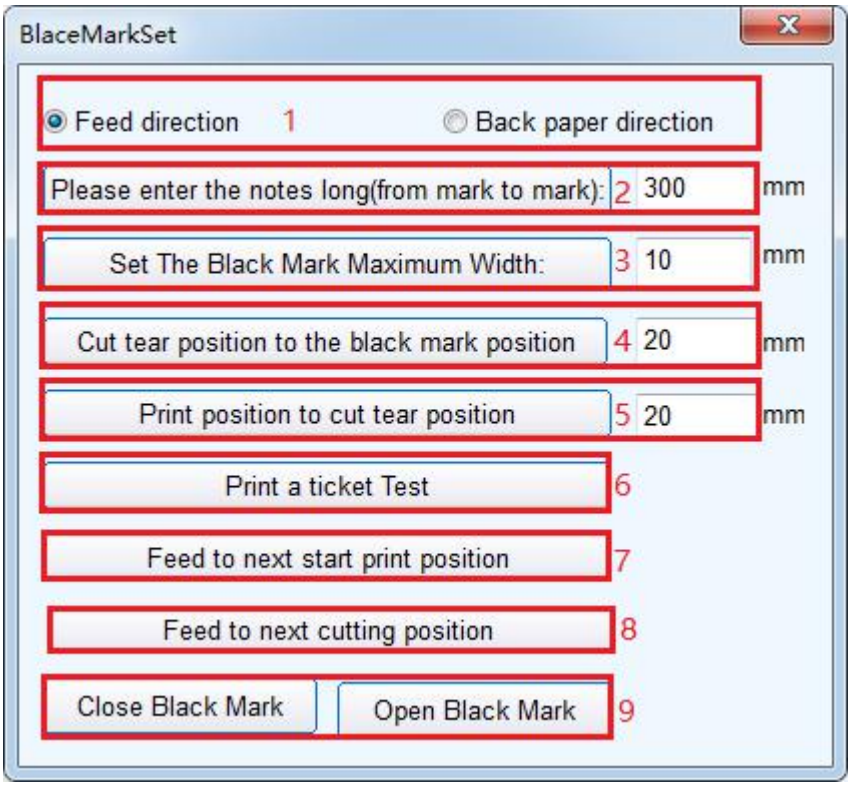
Configure the mode of the printer's USB interface, including USB Printing and Virtual Com. The USB mode of the printer can be switched according to customer needs. For specific operations, refer to the "USB Port and Virtual Serial Port Switching Installation Instructions" file in the "IP Address Modification and Other Function Instructions" folder.

13、USB Port Settings

Switch the USB port number between fixed and random.

14、Black Mark Settings

Configure for printing special paper with black marks.



14.1 Offset direction for paper feeding and paper retreating

Select the direction for calculating data when setting the cutting/tearing position, with the default being the paper feeding direction.

14.2 "Please enter the distance between black marks (ticket length)"

Calculate the center distance between two black mark papers.

14.3 "Set the upper limit of black mark width to"

Calculate the actual height value of one black mark.

14.4 "Offset of cutting and tearing position from black mark position"

Calculate the actual distance from the print head sensor to the cutter for cutting the paper.

14.5 "Distance from the cut/tear position to the starting print position"

Calculate the distance from the cut/tear position to the desired starting position for printing.

14.6 "Print a ticket Test"

Click to print one ticket. If the settings are correct, it will automatically move to the position of one black mark paper and then cut the paper.

14.7 "Paper feed to next start print position"

Click once to feed the paper to the next starting print position without moving and print information to test the accuracy of the cutting position.

14.8 "Paper feed to next paper cutting position"

Click once to feed the paper to the next cut position and cut the paper, mainly to test the accuracy of the cutting position.

14.9 Disable black mark "and" Enable black mark

The default setting for the printer is not to enable the black mark function. When printing on black mark paper, the black mark function must be enabled before making relevant settings. If the detected black mark position is not accurate after enabling the black mark function, please adjust the"P80 Black Mark Sensitivity" setting in the item 7 of "Advanced" settings.

15、Send File Data

Click the "Send Data" button, select a bin format file in the pop-up dialog box, and open it, and the printer will print the content of the file.

16、Cutter Alarm

Enable or disable the alarm function after the cutter cuts paper.

17、Print Width

Set the effective printing width.

18、 Cover Cut

Set the cover cut mode.

19、Print Density

Set the printing effect with levels 1-8.

20、Sound and Light Alarm

Set the sound and light alarm mode, paper taking timeout, and alarm timeout.

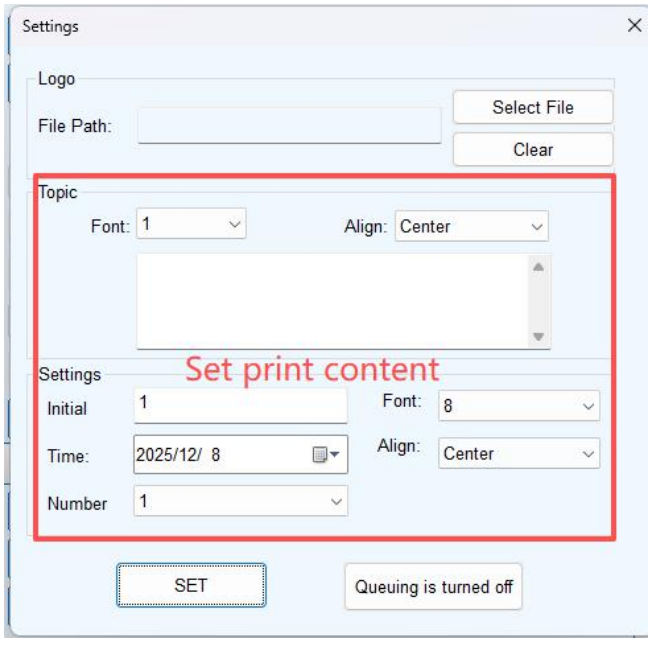
21、Language Settings

Set the default language (Simplified Chinese, Traditional Chinese, Korean, Japanese).

22、Reprint Function Settings

Enable or disable the reprint function.

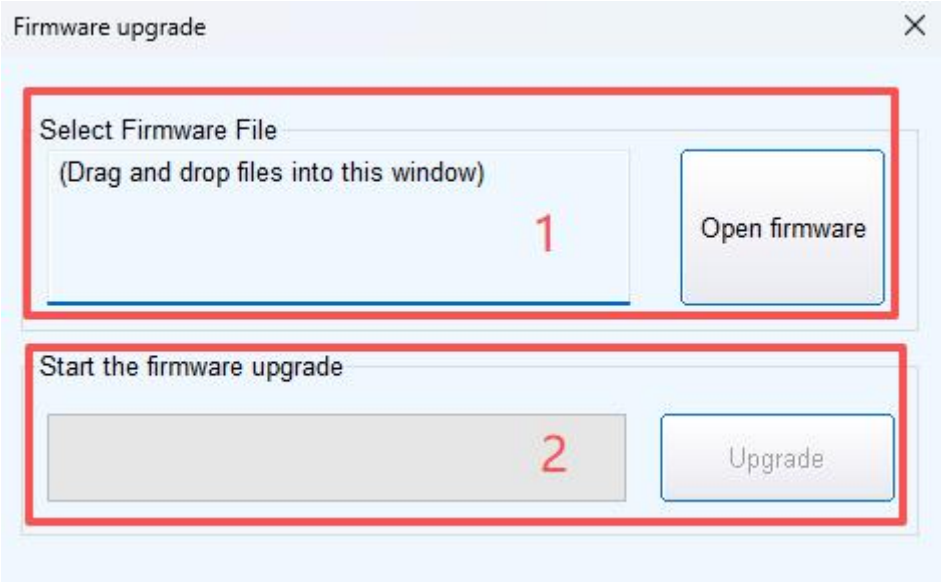
23、Queue Function Settings



24、Input Box Code Page

Responsible for decoding the font of the text box.

25、Program Upgrade



25.1 Select File

Drag the file to the window or click the button to select the FMW file.

25.2 Start Upgrade

Click the button to start the upgrade. If an upgrade exception occurs, please check the interface connection or restart the printer.