

POSPrinter V3.6C Test Tool Instructions

I. Introduction to main interface

POS Printer test V3.6

Port Select 1
☐ LPT ☐ COM ☒ USB ☐ NET

Printer Type 2
☐ POS-58 ☐ POS-76 ☒ POS-80

LPT Settings
LPT1 3

COM Settings 4
COM1 9600 RTS

NET Set
Local IP: 192 . 168 . 42 . 128
Printer IP: 192 . 168 . 2 . 252
New IP: 192 . 168 . 1 . 100
New ID: 0 . 0 . 0 . 0
Refresh Auto Set Ip DHCP Open
Connect Ping DHCP Close
Set New IP NetMonitor
New ID (Set last four ID) 5

Content: ☐ NO. Rep: 1 6 ☐ HEX Clear ☐ AutoSend 9 Cyc 500 ms ☐ CutPaper

1 2 3

Welcome to use the impact and thermal printer manufactured by professional POS receipt printer company!

8

10 Print
11 Cut Paper
12 Open cash drawer
13 Traditional
14 Driver Print
15 Print self test page
16 Restore factory
17 Advanced
18 中文简体

POS printer test tool V3.6

2023-03-31 18:44:15
Power by Lee (C) 2020

Status Bar: Real-time display of print status!

1. Communication port selection:

Communication interface of printer: 4 options of parallel port, serial port, USB port and Ethernet Port.

2. Printer selection:

Printer types are classified into POS-58, POS-76 and POS-80 based on paper size.

3. Parallel port setting:

Parallel port setting Set the parallel port number to match the communication with the computer.

4. Serial port setting:

Serial port setting Configure serial port settings such as port number, baud rate, and flow control.

5. Ethernet Port Settings:

Change the IP address of the Ethernet Port printer through the Ethernet Port settings.

"**Local IP**"--- refers to the actual IP address of the computer, which can be obtained by clicking the "Refresh" button or manually adding the IP address.

"**Printer IP**"--- refers to the current IP address of the printer. Its detail information can be viewed in the printer's self-test page, which is only applicable to Ethernet Port printers.

"**New IP Address**"--- refers to the desired IP address to be assigned to the printer (the printer's IP address should be in the same network segment as the computer's IP address for communication to take place).

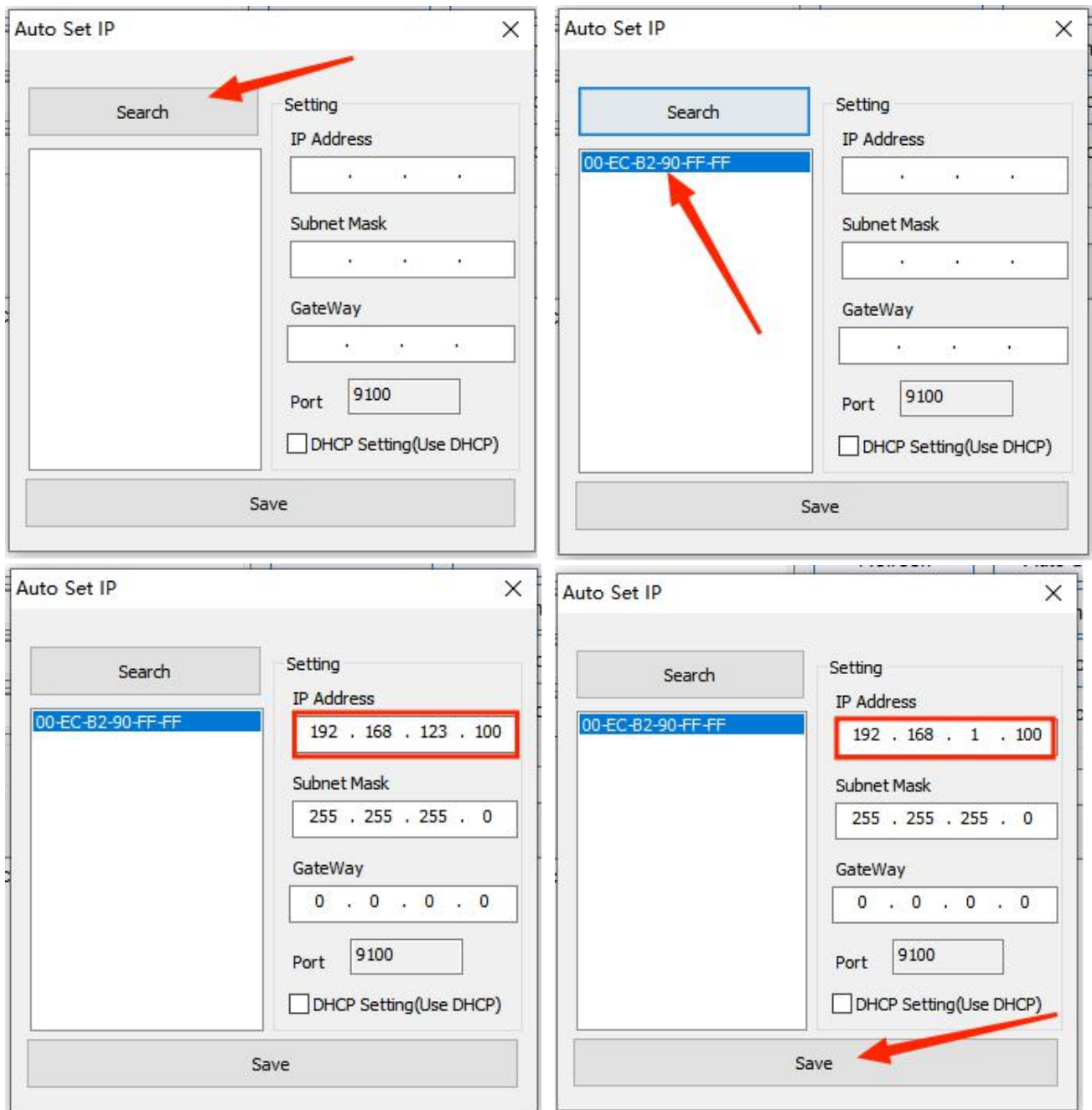
"**New ID Address**"--- refers to the desired ID address that the printer should be changed to (the printer's ID address must be unique within a network).

Ethernet Port settings can be configured through a HUB, SWITCH, or sometimes cannot be changed through a ROUTER. Alternatively, refer to the PDF instructions in the "IP Address Modification and Other Functions" folder on the CD for other methods of setting up.

"Auto Set IP"--- refers to the functionality that allows for modifying the printer's IP address across network segments.

The method for changing the printer's IP address across network segments is as follows:

- (1) Click the "Auto Set IP" button to enter the settings interface.
- (2) In the settings interface, click the "Search" function. It will display the MAC address of the connected printer. Double-clicking the printer's MAC address will show the printer's current IP address and other information. Modify the IP address and click the "Save" button. The printer will emit a "beep" sound, indicating that the printer's IP address has been successfully modified.



"**Network Monitoring**"---refers to the ability to monitor the printer's status through the network.

"**DHCP On**"---enables DHCP functionality.

"**DHCP Off**"---disables DHCP functionality.

6. Times:

The number of repetitions for printing test content.

7. HEX:

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

8. Print content:

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

9. Auto Send, cycle, paper cutting:

"**Auto Send**"---When checked, the software will automatically send the data from the Print Content field to the printer

"**Cycle**"---The cycle time for automatically sending data.

"**Paper cutting**"---Used in conjunction with the "Auto Send" button, when selected, the printer will automatically cut the paper according to the set cycle time.

10. Print:

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

11. Paper cutting:

Test the paper cutting function.

12. Opening the Drawer:

Test the cash drawer function.

13. Traditional Chinese Test:

It is used to test print traditional fonts.

14. Driver printing:

Use the installed Windows driver to test printing. If the information can be printed, it indicates a successful installation.

15. Print self-test page:

Print self-test page function.

16. Restore factory settings:

Restore the printer to its factory settings.

17. Advanced:

Click the "Advanced" button to access more functions for printing tests. Detailed instructions are provided below.

18. English:

It is used to switch between the software's Chinese and English language interface.

II. Description of "Advanced" Settings

Click the "Advanced" button in the main interface to open the following interface:

The screenshot shows the 'Advanced' settings window with various configuration options. The options are numbered 1 through 25, corresponding to the instructions in the document. The window is divided into two main sections: a left column and a right column. The left column contains settings for H Parameter, Code page, NV Logo Test, Barcode Printing test, P76 Buzzer, P76 Density, P80 Black sens, baud rate settings, DIP Settings, 2D Barcode test, Net Settings, USB MODE Settings, and USB port settings. The right column contains settings for Black Mark, File data send, Cut With Beep, Width Settings, Close lid cut, Density Settings, Sound and light alarm, Language setting, Replay settings, Queuing settings, Input Box Code, and Program upgrade.

Number	Setting Name	Value / Option
1	H Parameter Settings	Print H, Set Delta, 5
2	Code page Settings	PrintCodePage, SetCodePage, 0:PC437(Europe)
3	NV Logo Test	NV Download, NV Download2
4	Barcode Printing test	Print BarCode, UPC_A, 129, Height
5	P76 Buzzer Settings	Set Buzzer, OFF, Set Paper saving
6	P76 Density Settings	Set, NORMAL
7	P80 Black sens	Set Sensitivity, 12, 12, Set SH
8	baud rate settings	Set BaudRate, 19200, (Only P58 and P76E)
9	DIP Settings	Set P58 DIP, Set P80 DIP, Set P76 DIP
10	2D Barcode test	Print 2D Barcode
11	Net Settings	Set Net, Set Bluetooth
12	USB MODE Settings	USB Printing, Virtual COM
13	USB port settings	Fix USB, Random USB
14	Black Mark Settings	Set 80 BlackMark, Set 76 BlackMark
15	File data send	Open File Send
16	Cut With Beep	Cut With Beep Set, ON
17	Width Settings	Set Width, 72mm
18	Close lid cut	Set, Not cut paper
19	Density Settings	Set Density, 5
20	Sound and light alarm	Set, OFF, Take paper timeout(s): 10, Alarm timeout(s): 300
21	Language setting	Language Set, Chinese Simplified
22	Replay settings	Replay Set, ON
23	Queuing settings	Queuing Set
24	Input Box Code	936 - Chinese Simplified(GB2312), Set
25	Program upgrade	Program upgrade

1. Dot Matrix Settings:

It is mainly used for adjusting the clarity of the 76 series dot matrix printer. Click "Print H Rows" to print sixteen groups of H letters ranging from 0 to F. Then select the clearest group and use "Set Delta Value" to adjust it.

2. Set the default code page:

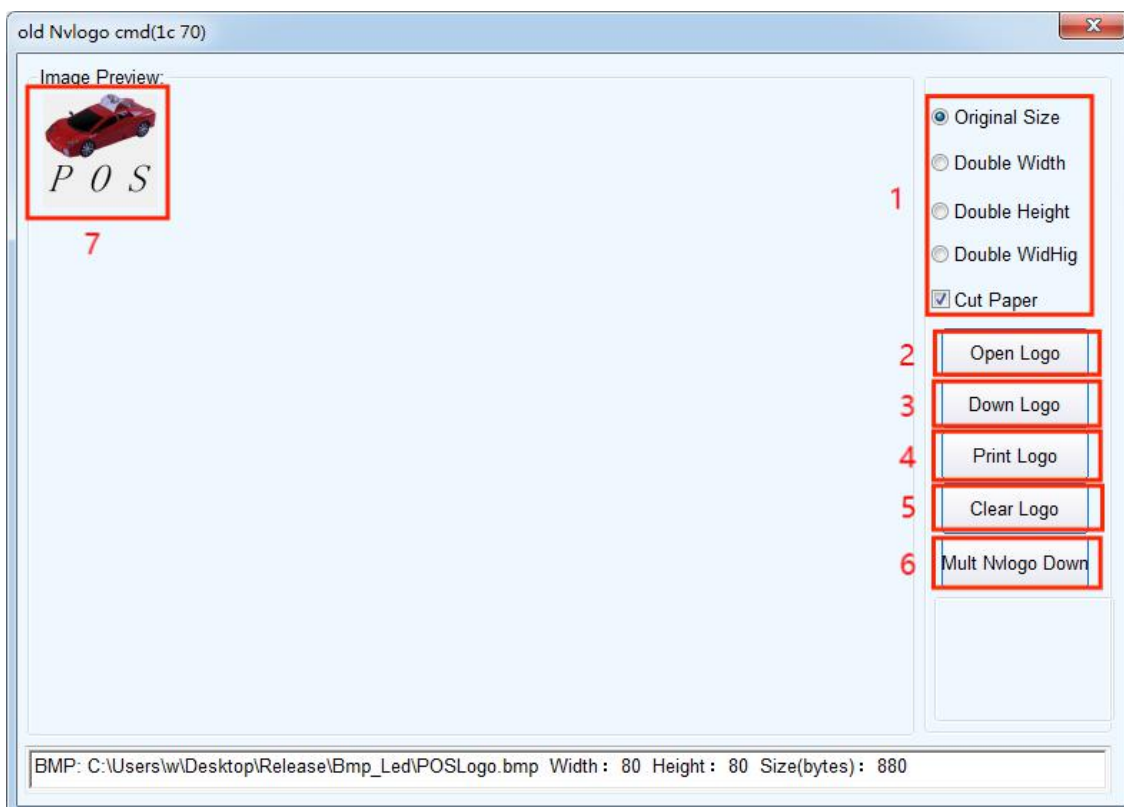
This setting is used to change the printer's default code page. The image below shows some code pages for the 80 series machines.

Code Page:	
0: PC437(Std.Europe)	1: Katakana
2: PC850(Multilingual)	3: PC860(Portugal)
4: PC863(Canadian)	5: PC865(Nordic)
6: (West Europe)	7: Greek
8: (Hebrew)	9: East Europe)
10: (Iran)	16: (WPC1252)
17: PC866(Cyrillic#2)	18: PC852(Latin2)
19: (PC858)	20: (IranII)
21: (Latvian)	22: (Arabic)
23: (PT1511251)	24: (PC747)
25: (WPC1257)	27: (Vietnam)
28: (PC864)	29: (PC1001)
30: (Uigur)	31: (Hebrew)
32: WPC1255(Israel)	255: (Thai)

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



3.1 Print NV LOGO Size Requirements and Paper Cutting Function Selection.

3.2 Opening LOGO:

Click to select the picture in BMP format or LOGO file to print.

3.3 Download LOGO:

After clicking the button, download and open the content of a BMP format file that has been previously opened. It can be printed by clicking "Print NV LOGO".

3.4. Print LOGO:

Click the button to finish printing the LOGO picture.

3.5 Delete LOGO:

Delete the downloaded NV LOGO content.

3.6 Download Multiple NV LOGOs:

Multiple NV LOGOs can be downloaded at the same time.

3.7 Display current NV LOGO content

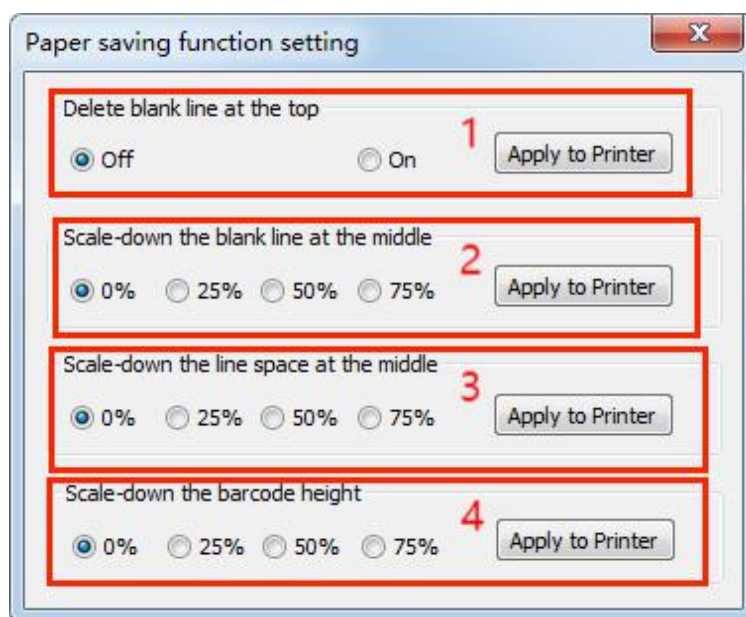
4. Barcode printing test:

Select various barcode types and barcode heights for test printing. There are nine options for one-dimensional barcode selection.

5. P76 buzzer setting:

5.1 Set the buzzer on or off for some of the 76 series machines.

5.2 Paper saving function configuration:



5.2.1 Remove Blank Space at the Top of the Bill

Blank Description at the top of the bill: it refers to 0A (line feed) and 20(full line of spaces) at the top of the bill.

When the function is enabled, the 0A line feed and 20 space lines at the top 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 printing density setting:

Adjust the print effect for machines in the 76 series. There are three modes:

LIGHT, NORMAL, DARK.

7. P80 black mark sensitivity setting:

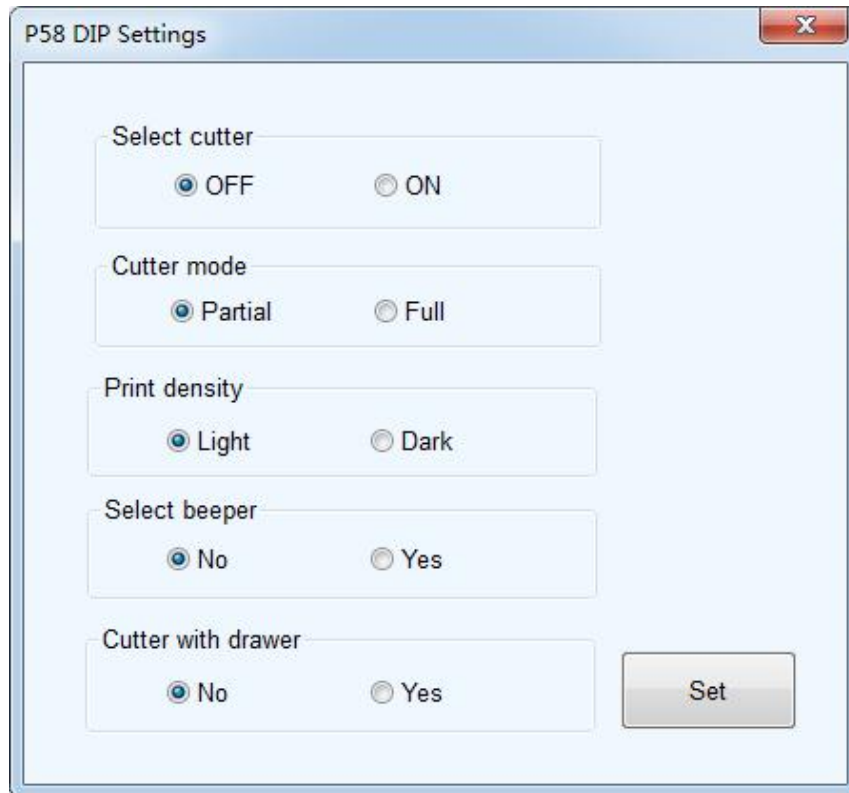
Sensitivity adjustment of the black mark for machines in the 80 series are based on the different degrees of black mark paper. The black mark function setting must be enabled for it to take effect.

8. Serial baud rate setting: (only for 58 series and P76E)

Different baud rates (e. g. 9600,19200,38400, etc.) can be set

9. DIP switch setting:

There are 58 series and 80 series available (only for models without DIP switches)



The screenshot shows the 'P58 DIP Settings' dialog box. It contains five groups of radio button settings. The first group, 'Select cutter', has 'OFF' selected. The second, 'Cutter mode', has 'Partial' selected. The third, 'Print density', has 'Light' selected. The fourth, 'Select beeper', has 'No' selected. The fifth, 'Cutter with drawer', has 'No' selected. A 'Set' button is located at the bottom right of the dialog.

P58 DIP Settings

Select cutter

☒ OFF ☐ ON

Cutter mode

☒ Partial ☐ Full

Print density

☒ Light ☐ Dark

Select beeper

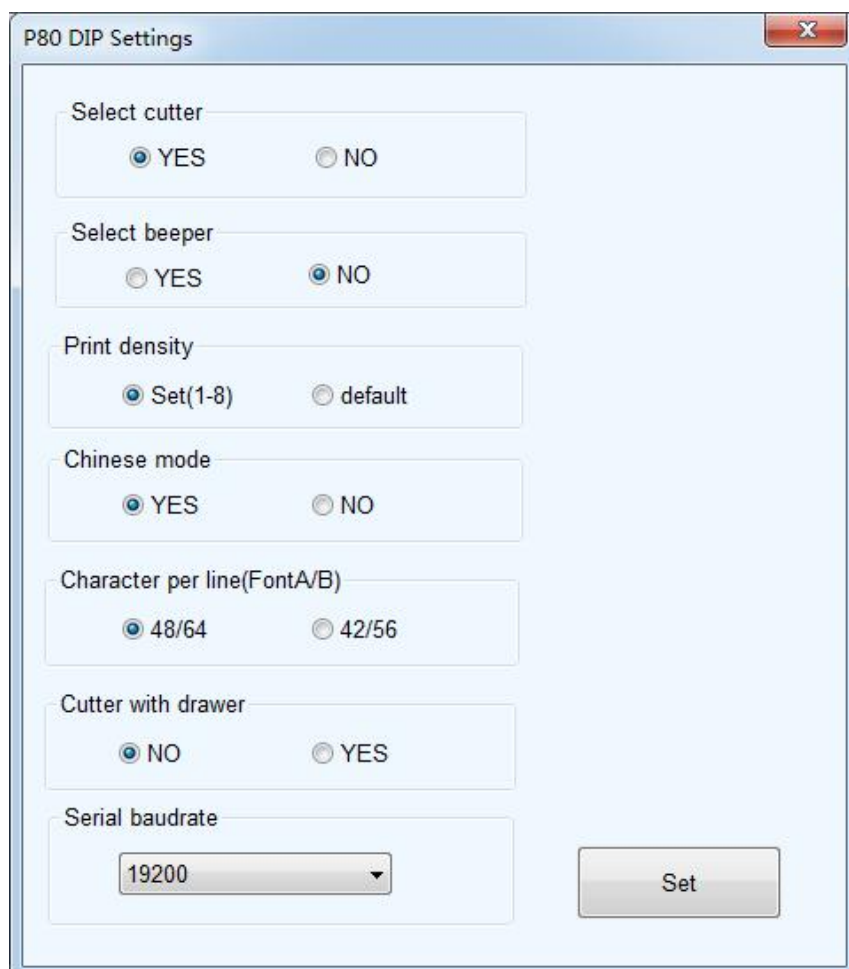
☒ No ☐ Yes

Cutter with drawer

☒ No ☐ Yes

Set

(58 series)



The screenshot shows the 'P80 DIP Settings' dialog box. It contains seven groups of settings. The first, 'Select cutter', has 'YES' selected. The second, 'Select beeper', has 'NO' selected. The third, 'Print density', has 'Set(1-8)' selected. The fourth, 'Chinese mode', has 'YES' selected. The fifth, 'Character per line(FontA/B)', has '48/64' selected. The sixth, 'Cutter with drawer', has 'NO' selected. The seventh, 'Serial baudrate', is a dropdown menu currently showing '19200'. A 'Set' button is located at the bottom right of the dialog.

P80 DIP Settings

Select cutter

☒ YES ☐ NO

Select beeper

☐ YES ☒ NO

Print density

☒ Set(1-8) ☐ default

Chinese mode

☒ YES ☐ NO

Character per line(FontA/B)

☒ 48/64 ☐ 42/56

Cutter with drawer

☒ NO ☐ YES

Serial baudrate

19200

Set

(80 series)

10. QR code test:

Edit and test printing of QR codes

two dimensional barcode test

Error level selection (7%-30%)

Error correction level:

7%

amplification:

7

(1-16)

Generated QR code image

Welcome pos test

Edit QR code content

Cut paper after printing

Back

Cut

Clear

Clear the content of the edit bar

Generate

Generate editing content


Send Data

Click to send and print

Click to exit the interface

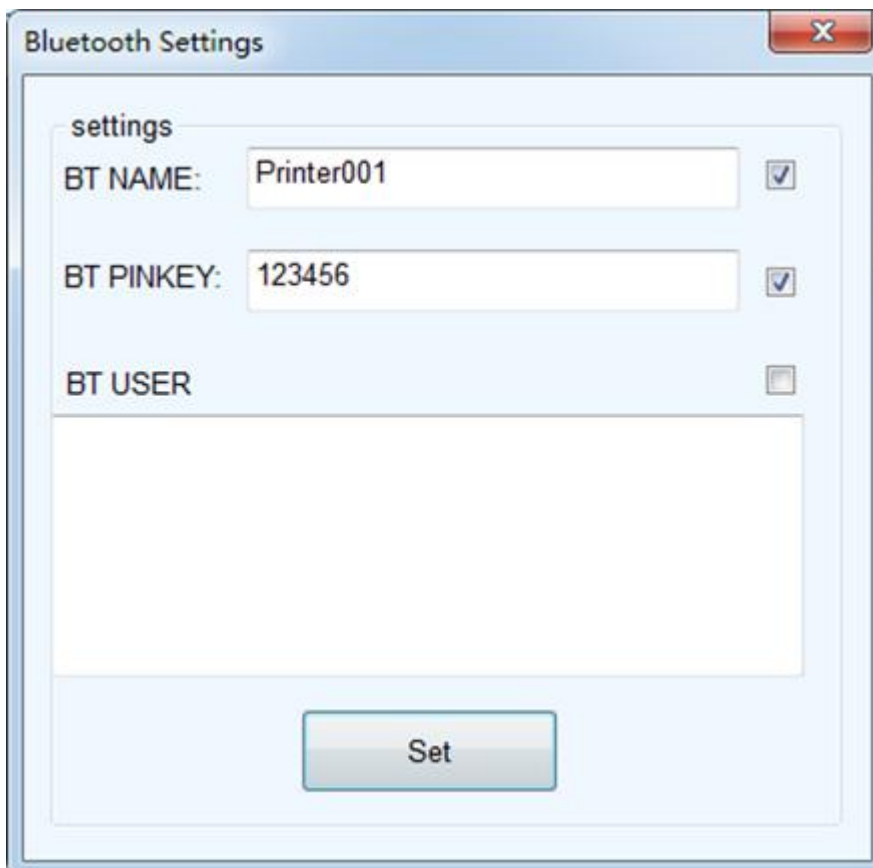
11. Network settings:

It is divided into "Network Settings" and "Bluetooth Settings"



The "Net Settings" window is a light blue dialog box with a title bar and a close button. It contains two main sections: "Net Settings" and "WIFI Settings". The "Net Settings" section has three rows of input fields for IP Address (192 . 168 . 123 . 100), NetMask (255 . 255 . 255 . 0), and GateWay (192 . 168 . 123 . 1), each with a corresponding "Set" button. A "Set above contents" button is below these. The "WIFI Settings" section has input fields for SSID (Printer001) and WIFI Key (Printer001), a dropdown for Key Type (WPA2_AES_PSK), and a "Set above contents" button. Below these is a "WIFI CMD:" dropdown and a "CMD Set" button. On the right side, there is a "Set All" button, a "Return" button, and a small printer icon with "P O S" text.

(Network Settings)



The "Bluetooth Settings" window is a light blue dialog box with a title bar and a close button. It contains a "settings" section with three rows: "BT NAME:" (Printer001) with a checkmark, "BT PINKEY:" (123456) with a checkmark, and "BT USER" with an unchecked checkbox. Below these is a large empty text area. At the bottom is a "Set" button.

(Bluetooth settings)

12. USB mode setting:

Settings for the printer's USB interface mode, including USB Printing and Virtual Com, which can switch the USB mode of the printer according to the requirements of customer. For detailed instructions, refer to the "USB Port and Virtual Com Switching Installation Instructions" file in the "IP Address Modification and Other Function Instructions" folder.

13. USB port setting:

Switch between fixed or random USB port numbers.

14. Black mark setting:

Settings for special papers with black marks.

The screenshot shows a window titled "BlaceMarkSet" with a close button (X) in the top right corner. The window contains several settings, each with a red rectangular highlight and a red number to its right:

- Feed direction** (selected with a radio button) and **Back paper direction** (unselected with a radio button). The number **1** is next to "Feed direction".
- Please enter the notes long(from mark to mark):** A text input field containing "2 300" followed by "mm". The number **2** is next to the input field.
- Set The Black Mark Maximum Width:** A text input field containing "3 10" followed by "mm". The number **3** is next to the input field.
- Cut tear position to the black mark position**: A text input field containing "4 20" followed by "mm". The number **4** is next to the input field.
- Print position to cut tear position**: A text input field containing "5 20" followed by "mm". The number **5** is next to the input field.
- Print a ticket Test**: A button. The number **6** is next to the button.
- Feed to next start print position**: A button. The number **7** is next to the button.
- Feed to next cutting position**: A button. The number **8** is next to the button.
- Close Black Mark** and **Open Black Mark**: Two buttons. The number **9** is next to the "Open Black Mark" button.

14.1 Offset for paper feeding direction, offset for paper retracting direction

Select the direction of data calculation when setting the position for cutting or tearing the paper. The default value is the paper feeding direction.

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

Calculate the center distance between two black marks.

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

Calculate the actual height value of a 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 "Printing a Bill"

Click to print a bill. In the normal setting, it will automatically advance to the position of a black mark and 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 dialog, and after opening it, the printer will print the contents of the file.

16. Cutter alarm:

Start or disable the alarm function after cutting the paper with the cutter.

17. Print Width:

Sets the effective width of the print.

18. Cover Cut:

Set the cover cut mode.

19. Print Density:

Set the print effect, level 1-8.

20. Sound and Light Alarm:

Set the mode, paper feeding timeout, and alarm timeout for sound and light alarms.

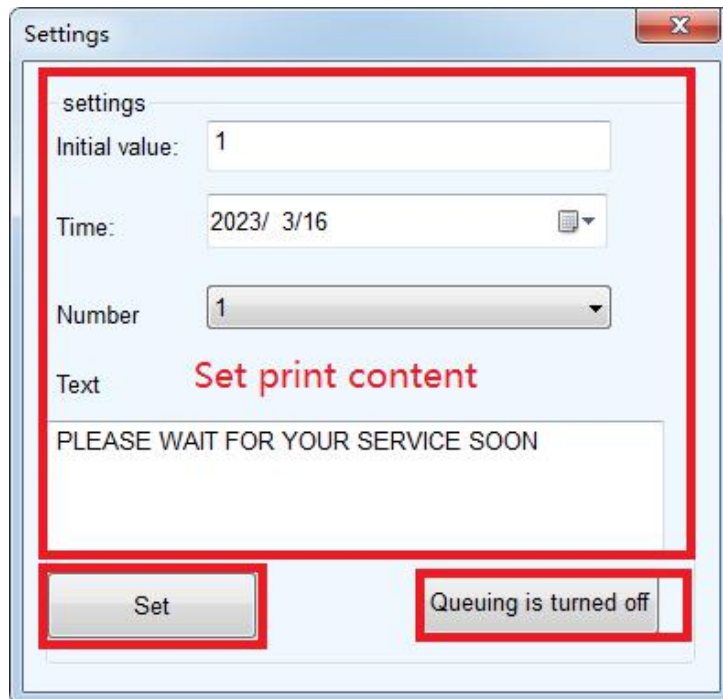
21. Language settings:

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

22. Reprint Function Settings:

Enable or disable the reprint function.

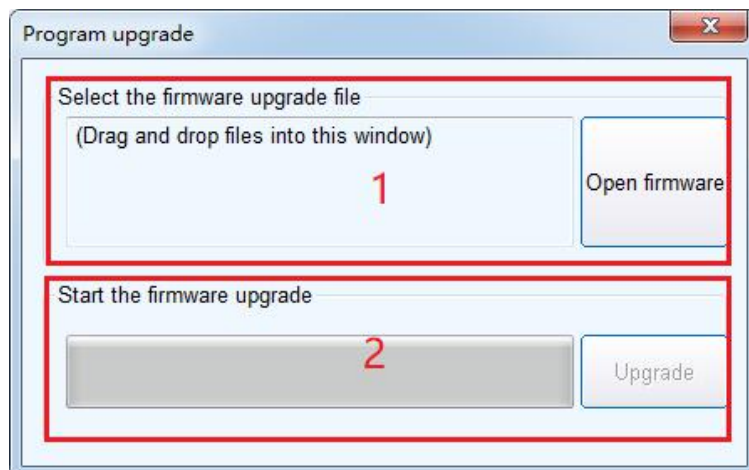
23. Queue function setting:



24. Input box code page:

This is responsible for decoding the font of the text box.

25. Program upgrade:



25.1 Select File

Drag and drop the file into the window or click the button to select the FMW file

25.2 Start Upgrade

Click the button to initiate the upgrade. If there is an upgrade exception, please check the interface connection or restart the printer.