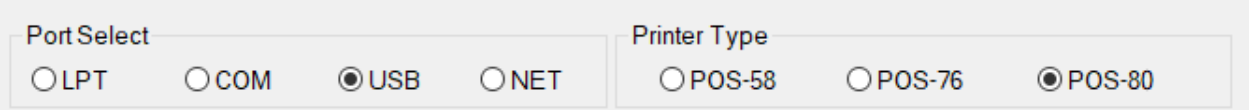
Instructions on POS Printer TEST V3.5C

I、Introduction of Main Interface

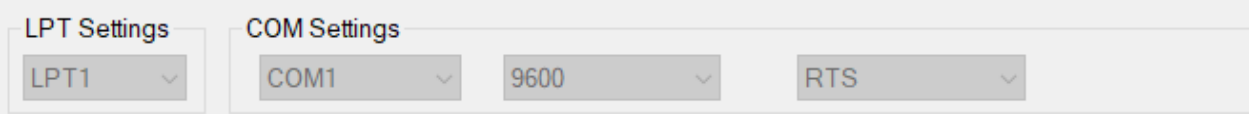


1. Communication port selection:

Four options of printer communication interface: parallel port, serial port, USB port and Ethernet port.

2. Printer type selection:

Three options of printer type: POS-58, POS-76, POS-80, and the system default to POS-80.

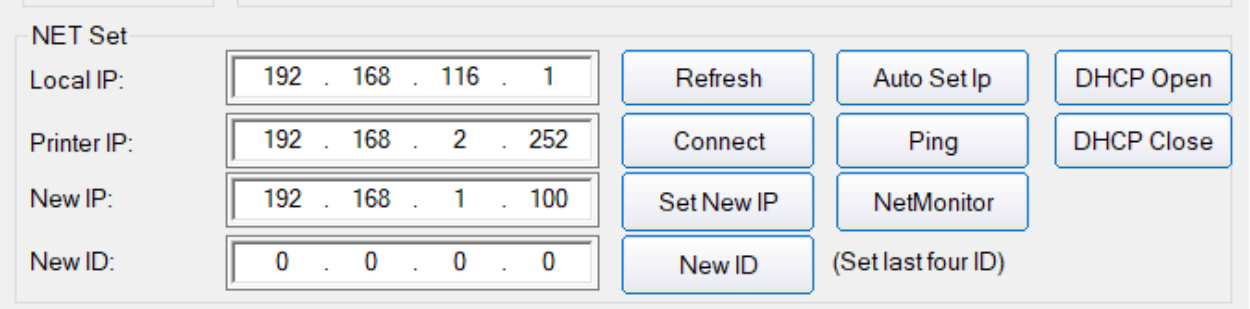


3. Parallel port Settings (LPT Set):

Parallel port Settings ----be consistent with the computer communication parallel port number.

4. Serial port Settings (COM Set):

Serial port Settings ---- set the serial port number, baud rate, flow control, etc.



5. Ethernet port Settings (NET Set):

5.1Change the IP address of Ethernet port printer through Ethernet port Settings:

5.1.1 “Local IP” --- computer’s real IP address which can be added manually or by Clicking "refresh" button.

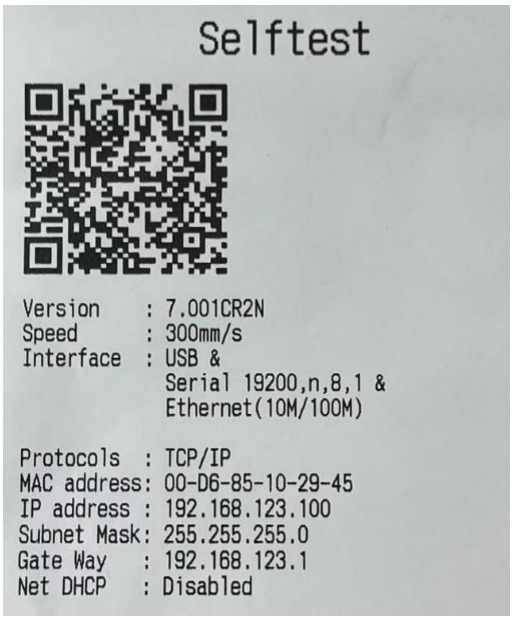
5.1.2 “Printer IP” ---printer’s current IP address, its detailed information can be seen on self- test page, only suitable for Ethernet port printers.

5.1.3 “New IP address” --- the printer’s IP address is to be changed to the new IP address (printer’s IP address shall be in the same network segment as the connected computers to realize intercommunication).

5.1.4 “New ID address” --- Reserved for future use.

5.1.5 “Auto Set IP” ----Used to search printers in the same LAN.

5.2 Modify the IP operation:



5.2.1 Connect the printer with the network cable of the computer network port, and then print the self-test page to check the printer IP.

5.2.2 Go to the computer network settings, enter the modify adapter option, check Ethernet, and then click Change settings for this connection.

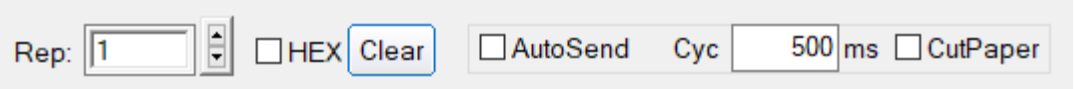
5.2.3 Click the manual IP settings and turn on the IPv4, set the computer IP address to the same network segment as the printer, notice that the last set of digits in the IP cannot be the same as the printer. The subnet mask remains unchanged from the default gateway. Once the settings are completed, save it.

5.2.4 Open the POS printing test tool and set the local IP, fills in the computer IP set before, the printer IP enters the current IP address of the printer, and the new IP address enters the new IP address to be set for the printer.

5.2.5 Click Connection Test, if the connection is successful, you can proceed to the next step, if you cannot connect, please check whether the previous steps or IP are correct.

5.2.6 Enter the printer IP you want to set at the new IP address and click the Set IP button when finished.

5.2.7 Power off the printer, then turn it back on and check the printer self-test page to confirm that the new IP address is set successfully.



6. Number of the copies:

It refers to the printing quantity of the repeat print of the test content.

7. HEX:

Data can only be transmitted by inputting hexadecimal after having selected printing content.

(It's mainly used to send instructions to the printer).

8. Printing content:

Edit the printing content here and send data by clicking "Print" button.

8. Automatically sending, cycle, paper cutting:

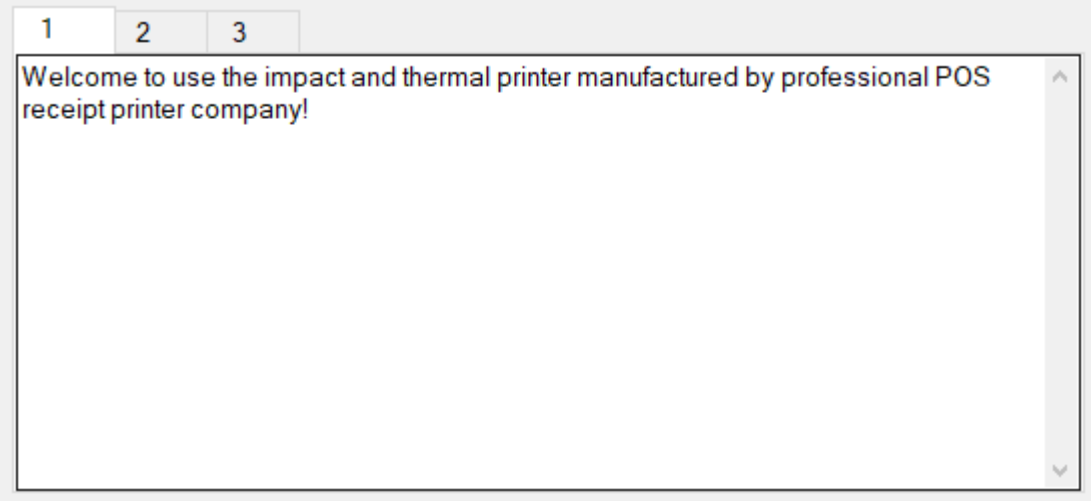
"Automatically sending" ----- Click the "Auto Send" button and the software will automatically send.

the data in the printing content column to the printer.

"Cycle" ------ cycle time to send data automatically.

"Paper cutting" ----- Printer will automatically do paper cutting work according to the cycle time after

the "Auto Send "button and "Cyc" button have been set.

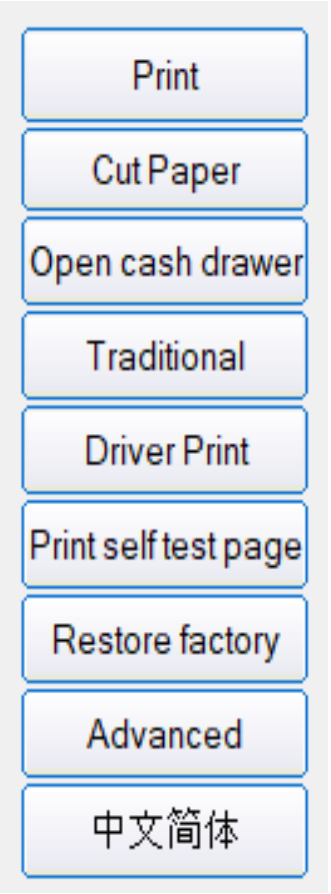


9. Printing content:

Edit the printing content here and send data by clicking "Print" button.

10. Print:

Print the information and data in the “content” edit box.



11. Paper cutting:

Test the function of paper cutting action.

12. Open cash drawer：

Test the cashbox function.

13. Traditional font test:

Used for testing traditional fonts printing.

14. Driver print:

Call the installed Windows driver to test print, printing out the information suggests successful installation.

15.Print self test page:

Click “Print self test page” and the printer will automatically print out the self-test page.

16.Restore factory:

After clicking, the printer will automatically return to factory settings.

17. Advanced:

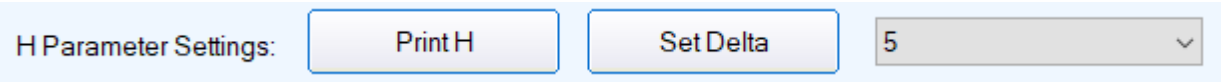
Click "advanced” button, and set up more features to have print test, below is the detailed introduction.

18. Language:

It’s for switching software interfaces between English and Chinese.

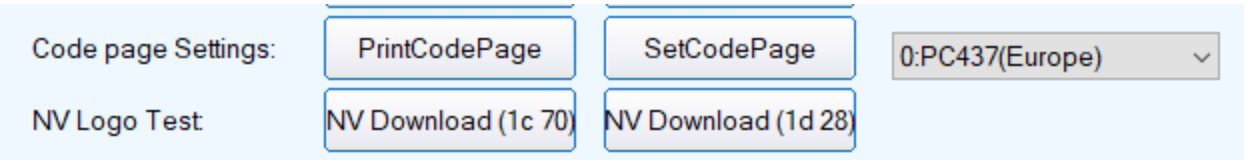
II、Setup instructions for “advanced” button

Click the "advanced” button on the main interface, the following interface will appear.



1.Set H parameter:

Its Main function is for definition adjusts of the 76 series needle printer. First click “Print H”, and the printer will print 16 groups of H letters from 0 to F, then set "Set delta” button by choosing the clearest group.

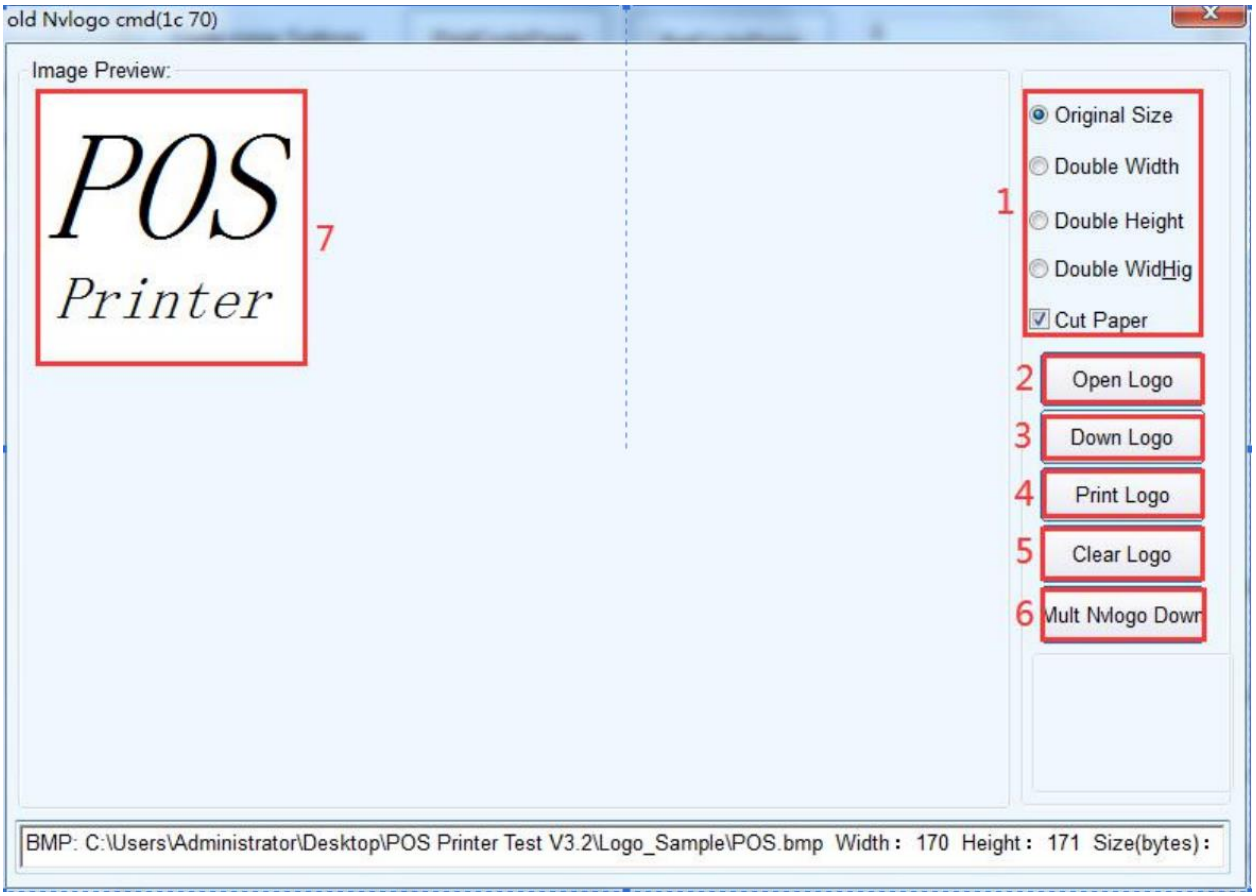


2.Set Code page:

It's for changing the default printer code page. Input the desired parameter value in "Set code page", and then complete the setting by clicking "set code page" button. Click "print code page" button to view the setup code.

3. NV logo demo:

Click the "NV download "button, the menu below will pop-up:



3.1 Size requirement and function selection of paper cutting of NV LOGO printing.

3.2 Open LOGO:

Click and select BMP format picture or the LOGO file that you want to print.

3.3 Download NV LOGO:

Click the download button after opening the BMP format file and the file will be downloaded to the printer. Print the file content by clicking “print LOGO” button.

3.4 Print LOGO：

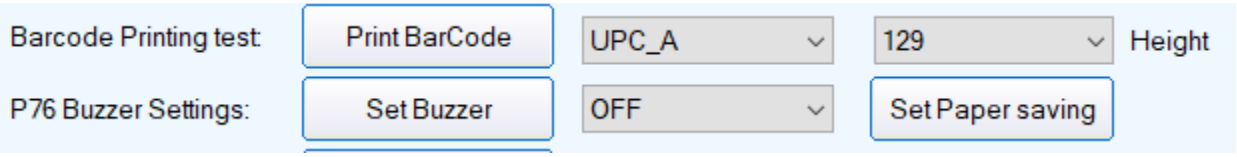
Click this button to complete the LOGO image printing.

3.5 Clear LOGO:

Remove the downloaded NV LOGO.

3.6 Mult NV LOGO down.

3.7 Show current NV LOGO



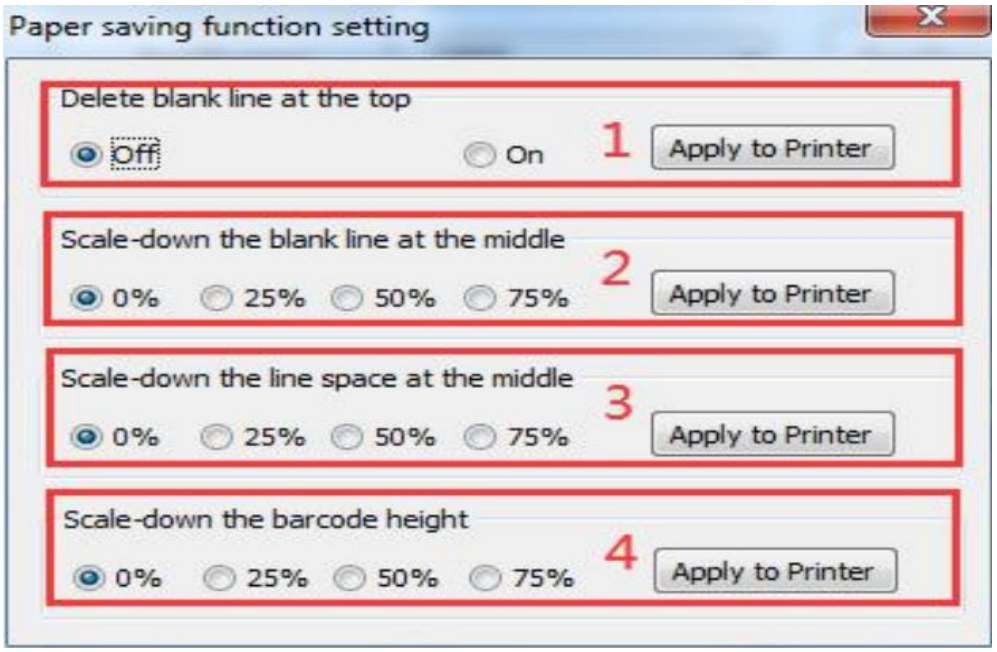
4. Barcode printing test:

Choose a variety of barcode types and height to test the print with a total of nine kinds of one-dimensional code choice.

5. P76 Buzzer Settings:

5.1 It’s a setting for turning on or off the beeper for part of the 76 series machines.

5.2 Paper saving function configuration:



5.2.1 Remove the blank at the top of the ticket.

Blank description at the top of the ticket: it means that there are 0A (line feed) and 20 (full line on 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 The blank line in the middle of the ticket is compressed.

Explanation of the blank line in the middle of the ticket: it means that there are 0A (line feed), 20 (a line full of spaces) in the middle and bottom of the ticket.

0%: Disable the middle blank line compression function.

25%, 50%, 75%: Turn on the middle blank line compression function and compress it according to the selected percentage.

5.2.3 Compression of line spacing of ticket layout

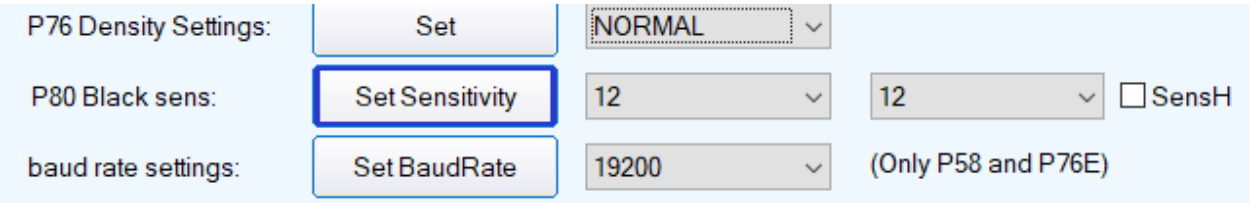
Note line spacing description refers to the default line spacing (1B 33) and the set line spacing (1B 32 n)
0%: Turn off the line spacing compression.

25%, 50%, 75%: Turn on the line spacing compression function, and compress it according to the selected percentage.

5.2.4 The ticket barcode is highly compressed.

0%: Disable the barcode high compression function.

25%, 50%, 75%: Turn on the barcode high compression function, and compress it according to the selected percentage.



6. P76 Printing density Settings:

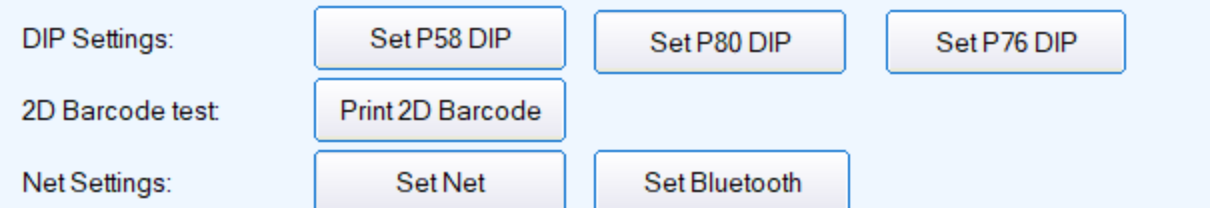
To adjust the printing effect of 76 series machine, there are modes: LIGHT、NORMAL、DARK.

7. P80 Black mark sensitivity Settings:

The adjustment of black mark sensitivity Settings for 80 series machines according to different black mark paper. Valid only when black mark function set is on.

8. Serial port baud rate Settings: (only for 58 series and P76E machines)

To set different baud rate (such as: 9600, 19200, 38400, etc.)



9. DIP switches Settings:

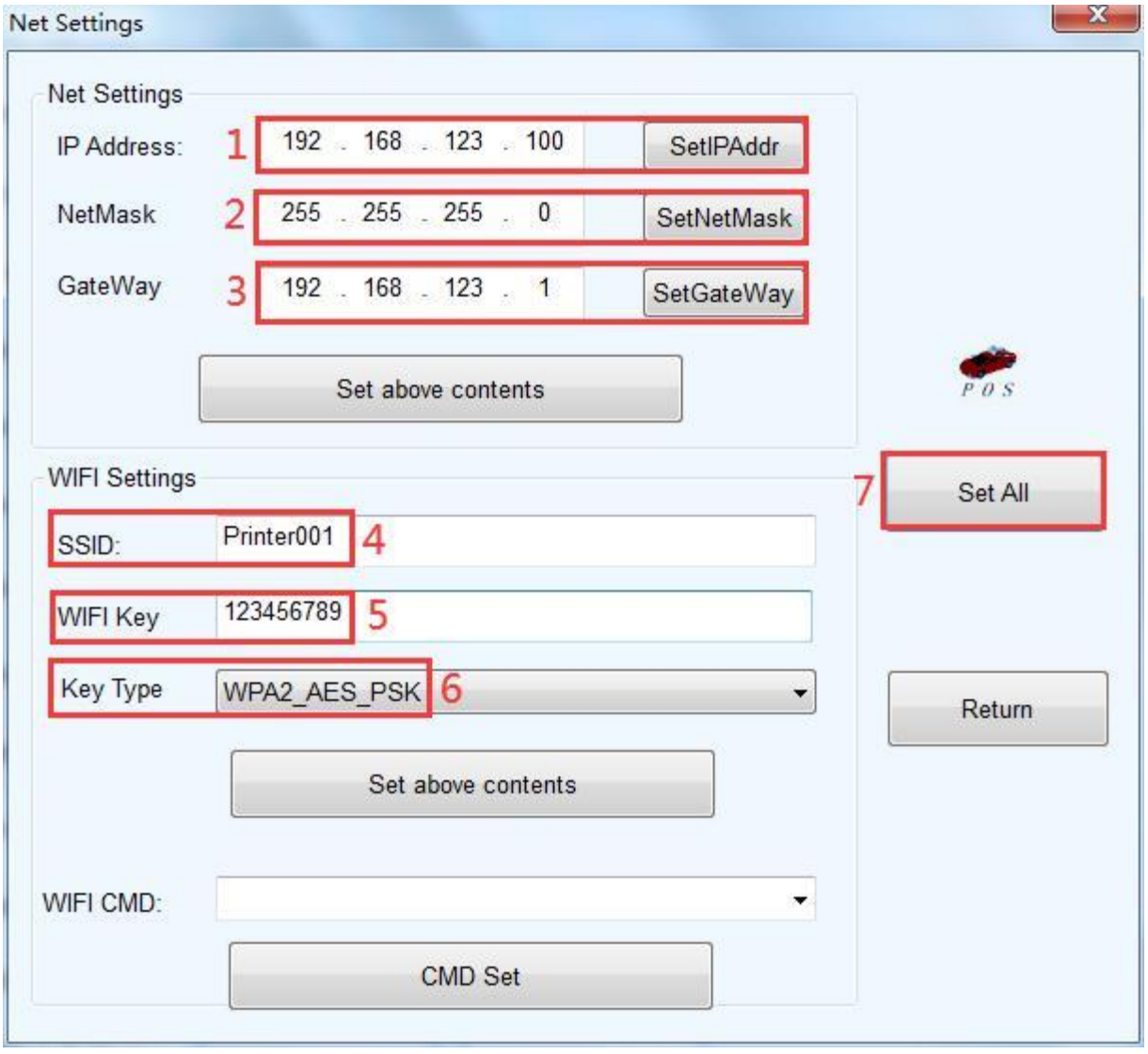
Three modes :58 series,76 series and 80series (only for machines without dial switches)

10. “2D barcode testing”:

Edit and print test of two-dimension codes.

11."Network Settings" :

It includes "Network Settings" and "Bluetooth Settings"



Network Settings

“1” Set up the Printer’s IP address.

“2” Set up the Subnet Mask.

“3” Set up the Gateway.

“4” WIFI SSID address settings. Note: the SSID address is the name of your Wireless Router’s name.

For example, if the address of the current Router (SSID) is: Pinter001, then this SSID address should be typed in the tab of “SSID”.

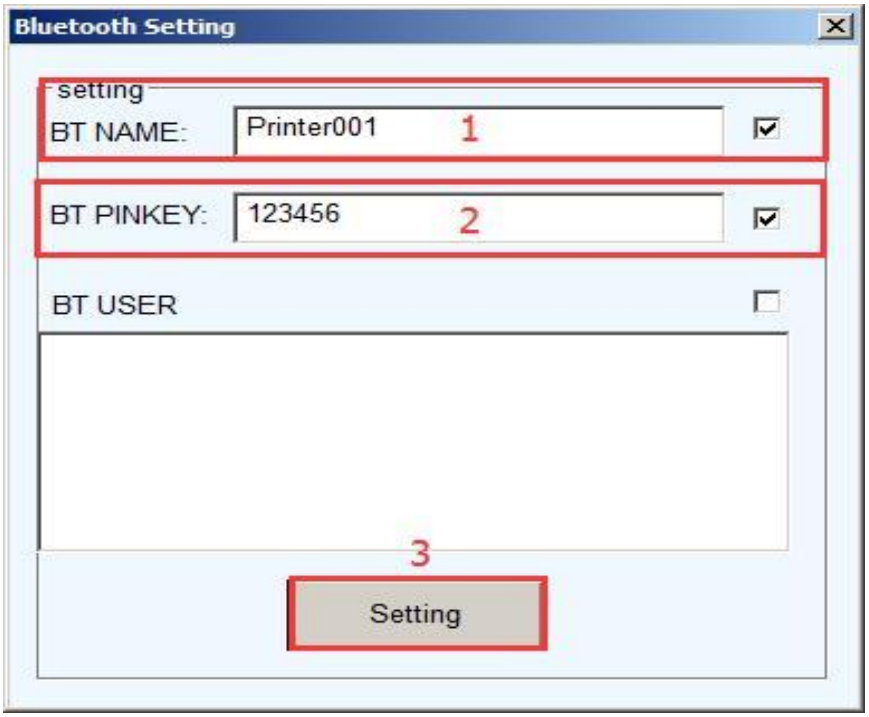
“5” WIFI password settings. Note: the password of the Wireless Router

For example, if the WIFI’s current password is:123456789, then this password should be typed in the tab of “WIFI password”.

“6” Encryption type of WIFI SSID settings. Note: the encryption type of the Wireless Router.

For example, if the encryption type of the Router (SSID) is: WPA_TKIP_AES_PSK, then this information should be selected in the tab of “SSID Encryption type”.

“7” After filling the above information, click the “Setting All” option. The printer will “BEEP”. Next, restart the printer.



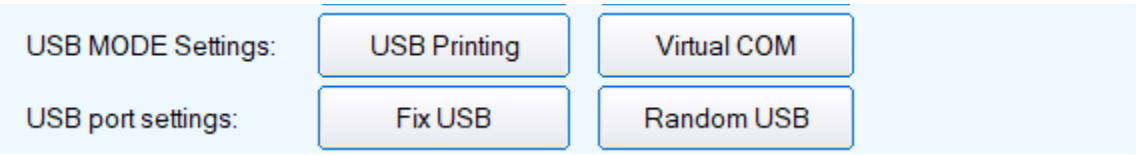
Bluetooth Setting

“1” Set up the Port name of the Bluetooth Printer (the Factory Default BT NAME is “Printer001”)

“2” Set up the Password of the Bluetooth Printer (the Factory Default BT PINKEY is “123456”)

“3” After finishing the above settings, click “Setting”, and then finished the settings of Bluetooth.

printer Parameters.

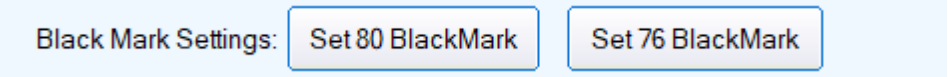


12.“USB Mode Setting”:

Mode Setting of printer’s USB port includes USB Printing and Virtual Com. USB mode switches according to customer demand. For specific operation, refer to file “instructions of switching between USB port and virtual Com "in the folder “IP address change and other functional specification.”

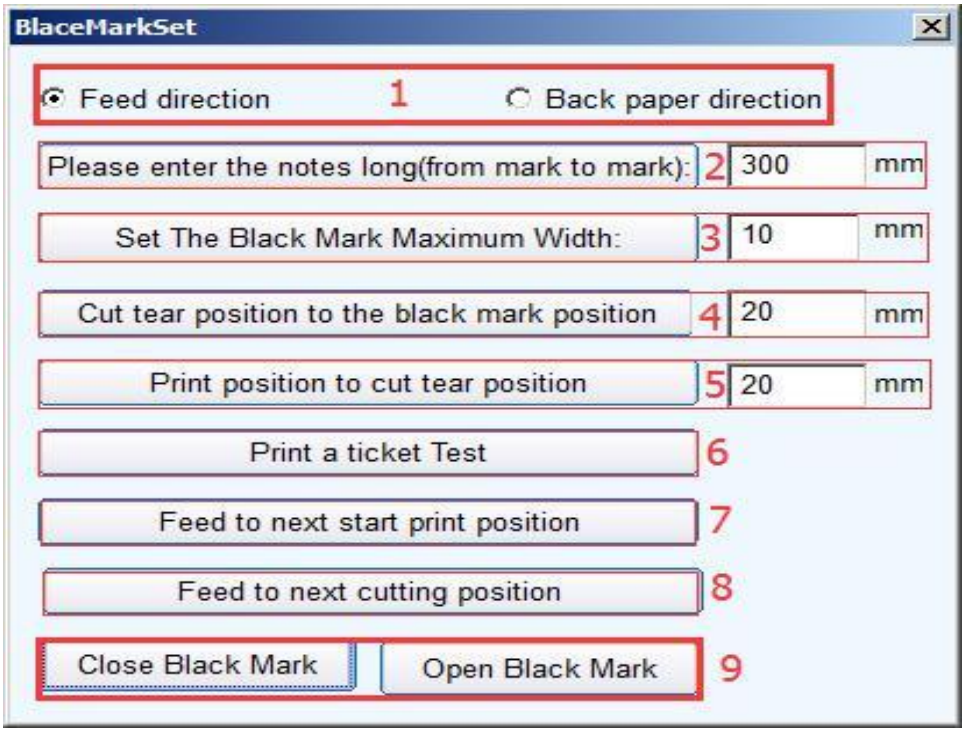
13.“USB Port Setting”:

Port Setting of printer’s USB includes Fix USB and Random USB. When there is more than one printer connected to the computer interface, you can choose to print with a printer connected to the specified interface or a random interface printer for printing.



14.“Black mark Settings”

To set special paper printing with black mark.



14.1 Offset in paper-feed direction, offset in paper unwinding direction.

To set the direction of data calculation for paper cutting position, the default value is feed direction.

14.2 “Please enter the black mark spacing ” To calculate the center distance of two black marks.

14.3 “Set the black mark Maximum width.”

It’s a value to calculate the actual height of a black mark.

14.4 “the offset of paper cutting position relative to the black mark position."

It’s to calculate the actual distance from the paper detector in the print head to the paper cutter.

14.5 “Distance between the print starting position and paper cutting position.”

It’s to calculate the distance from the print starting position to paper cutting position.

14.6 “Print a ticket test.”

Click this button and a note will be printed out. If it’s properly set, paper will automatically go a length of black mark and then be cut.

14.7 “feed to next start print position.”

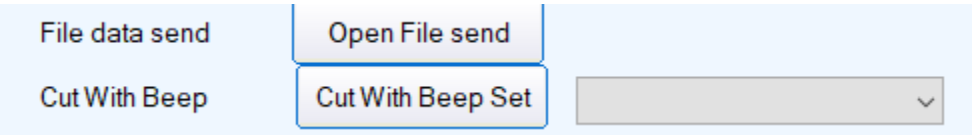
Click this button and paper will go to the next print starting position for a black mark. Print out the information to test the right position.

14.8 “feed to the next cutting position”

Click this button and paper will go to the next paper cutting position and paper will be cut to test the accuracy of paper cutting position.

14.9 Turn on the black mark, turn off the black mark.

Black mark function is off by default. Turn on black mark function to make related Settings. In case black mark position is detected incorrect, please reset referring to 7 "P80 black mark sensitivity" of "advanced". 14.“Send file data.”



15.“File data send.”:

Click button, choose, and open TXT format file in the pop-up dialog box, and then the printer will print the contents of the file.

16.“Cut with Beep.”:

The alarm function can be set to turn on or off after cutting paper with cutter.

17.” Width Setting”:

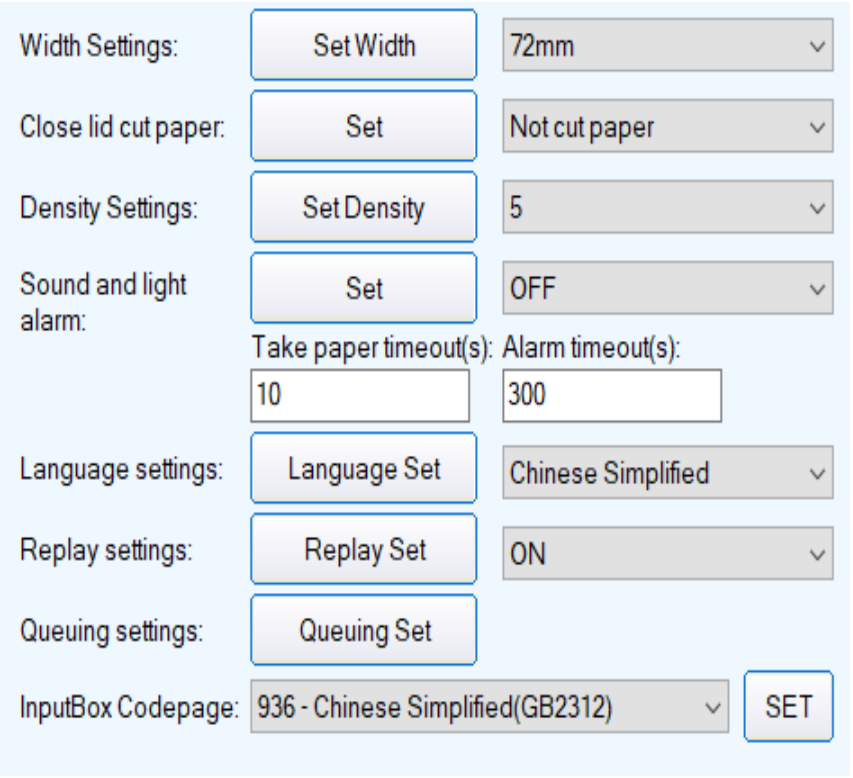
To set the different width of the text, from 48mm to 80mm.

18. Close lid cut paper:

To set the mode of cutting paper, there are modes: not cut paper, cut paper not walk the paper, cut paper and walk the paper.

19. Density Settings:

To set the ink concentration for printing, among them, there are 1-8 levels corresponding to the printing ink concentration from light to deep.



20. Sound and light alarm:

To set the mode of sound and light alarm system, there are three mode options: off mode, re-cut the paper timing mode and the alarm does not wait mode. In addition, “take paper time out(s)” and “alarm time out(s)” can also be set.

21.Language settings:

To set which languages to use and there are four options: Chinese Simplified, Chinese Traditional, Korean, and Japanese.

22.Replay settings:

To set whether to start the replay setting, there are two options: on or off.

23.Queuing settings:

To set initial value, time, number, and text in queuing set option. Initial value represents the first value of the queue. The default time is the computer's current time. The text you set will be displayed above the number.

24.Input BOX Code Page:

Words responsible for decoding text boxes.