

# Utility Tool for POS Instruction

## SAT38TUSE

Rev.1.1



# CONTENT

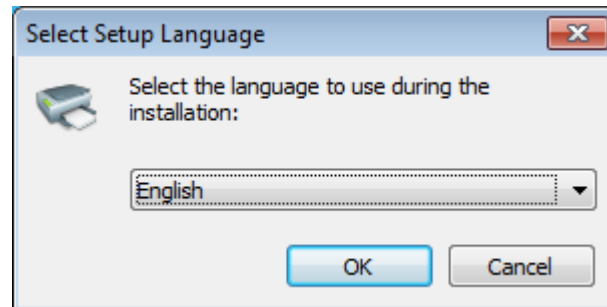
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Utility Tool is applicable to the following operating system:

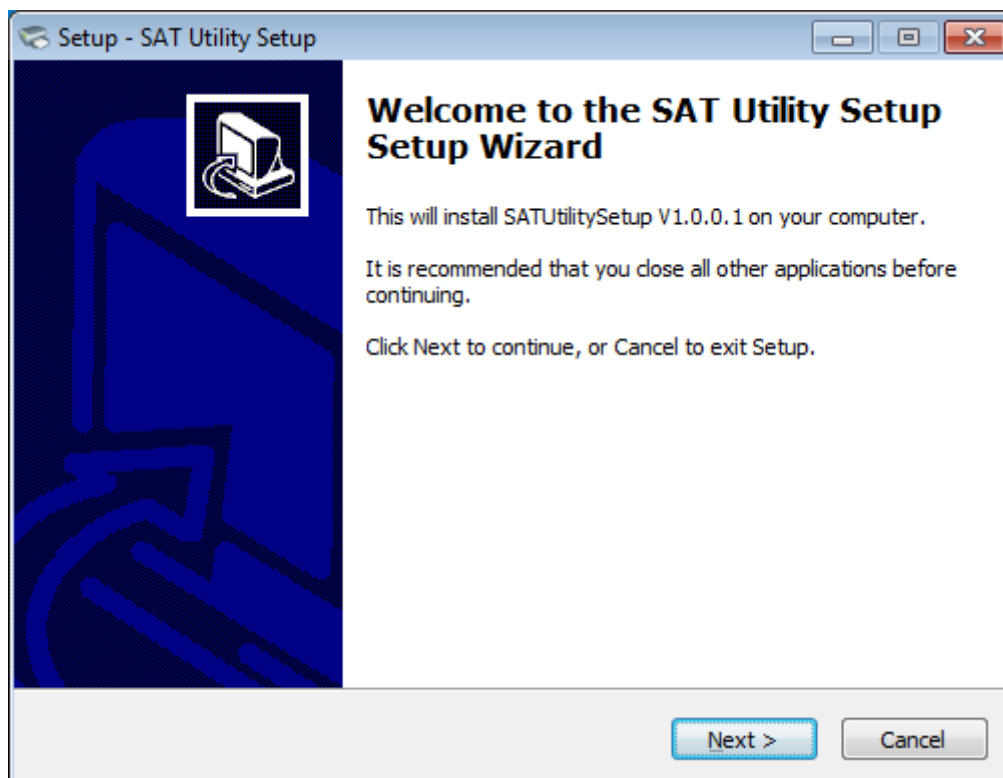
- Microsoft Windows 10 (32 bit/64 bit)
- Microsoft Windows 8 (32 bit/64 bit)
- Microsoft Windows 7 SPI (32 bit/64 bit)
- Microsoft Windows Vista SP2 (32 bit/64 bit)
- Microsoft Windows XP Professional SP3 (32 bit)
- Microsoft Windows Server 2012(64 bit)
- Microsoft Windows Server 2008 R2
- Microsoft Windows Server 2008 SP2(32 bit/64 bit)
- Microsoft Windows Server 2003 R2 SP2(32 bit/64 bit)

# 1.Installation of Utility Tool

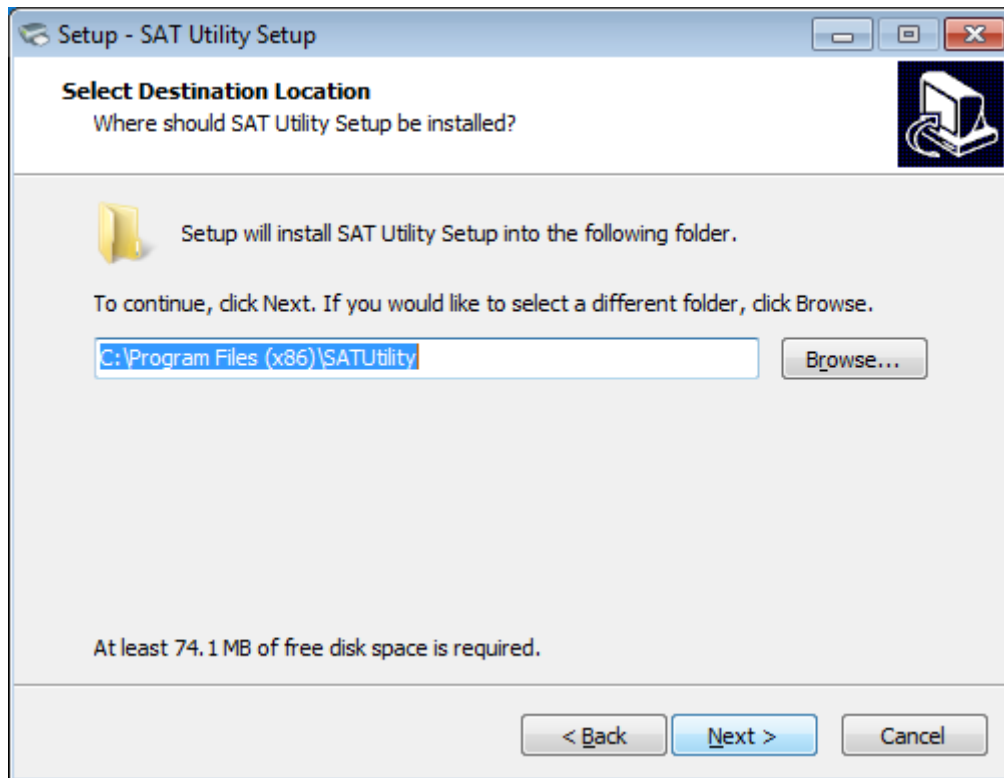
- 1.Open the installation package.
- 2.Choose “English” and click “OK”.



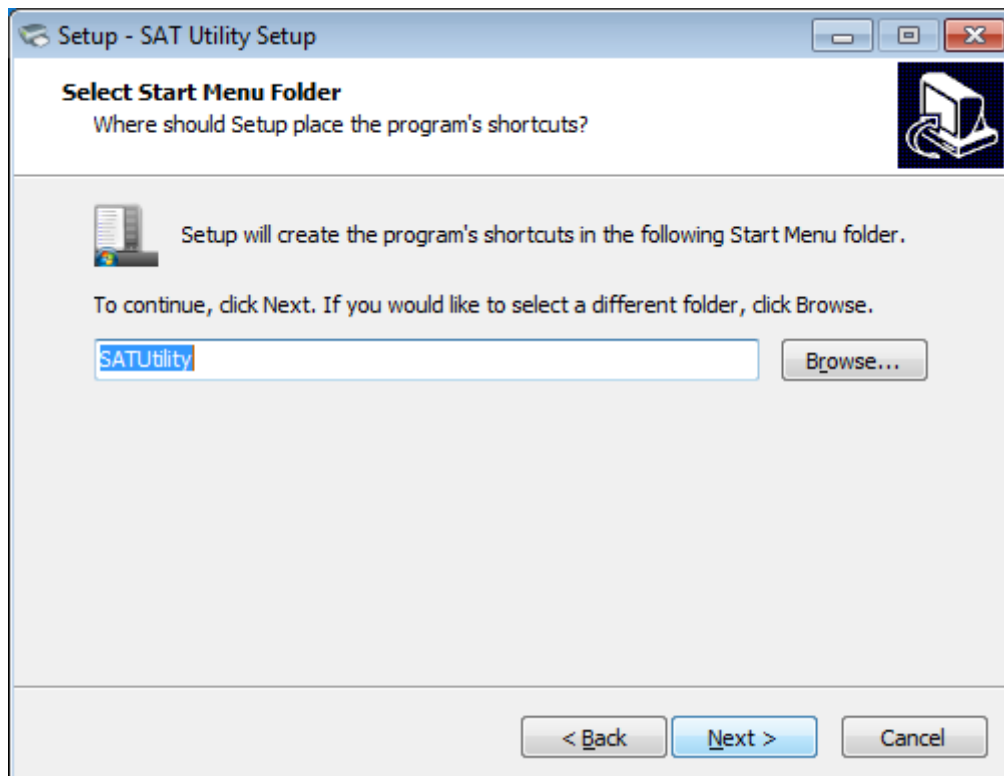
- 3.Click “Next”.



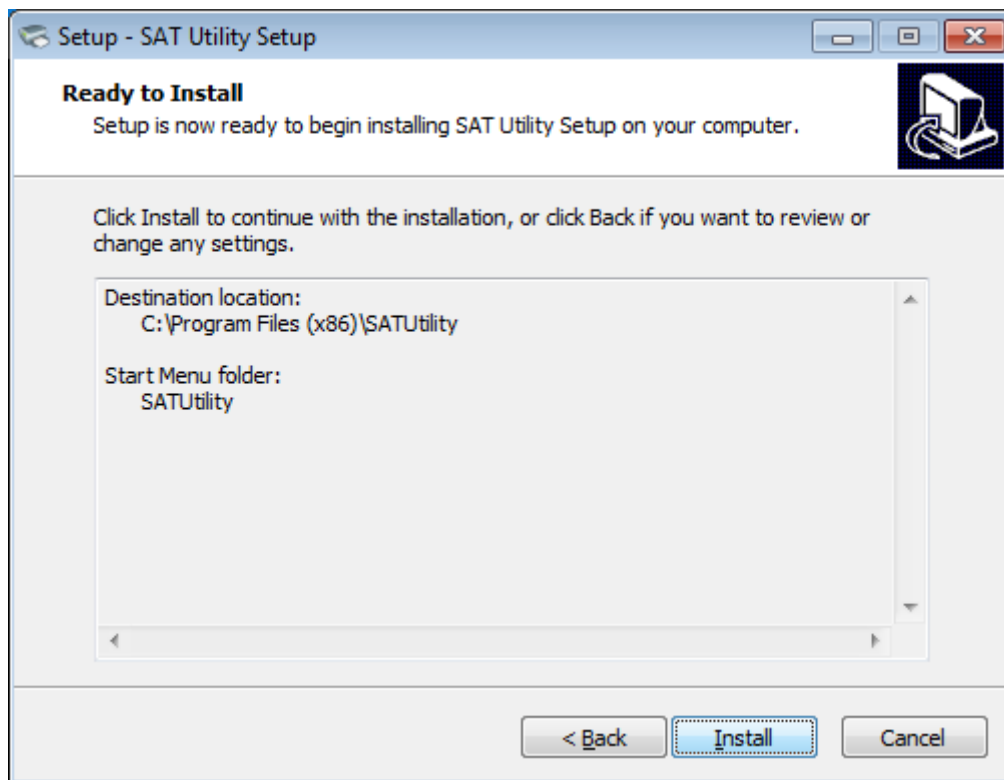
4. Select destination location to install the Utility Tool. Click “Next”.



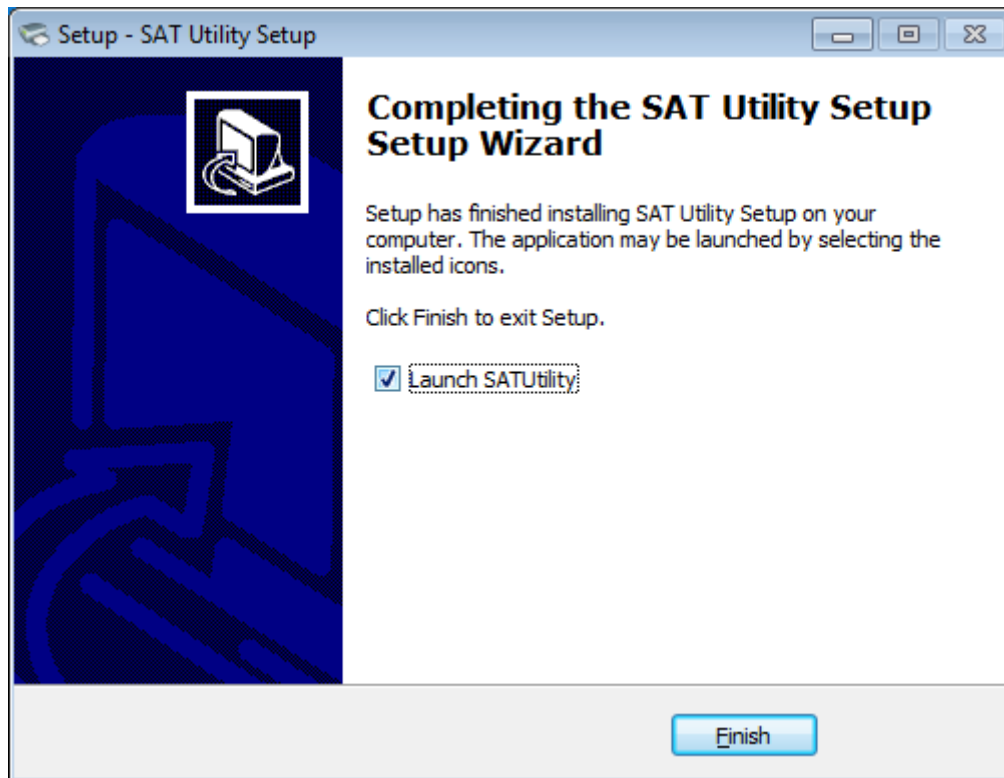
5. Select start menu folder. Click “Next”.



6. Click "Install".



7. Click “Finish”. Utility Tool is installed successfully.



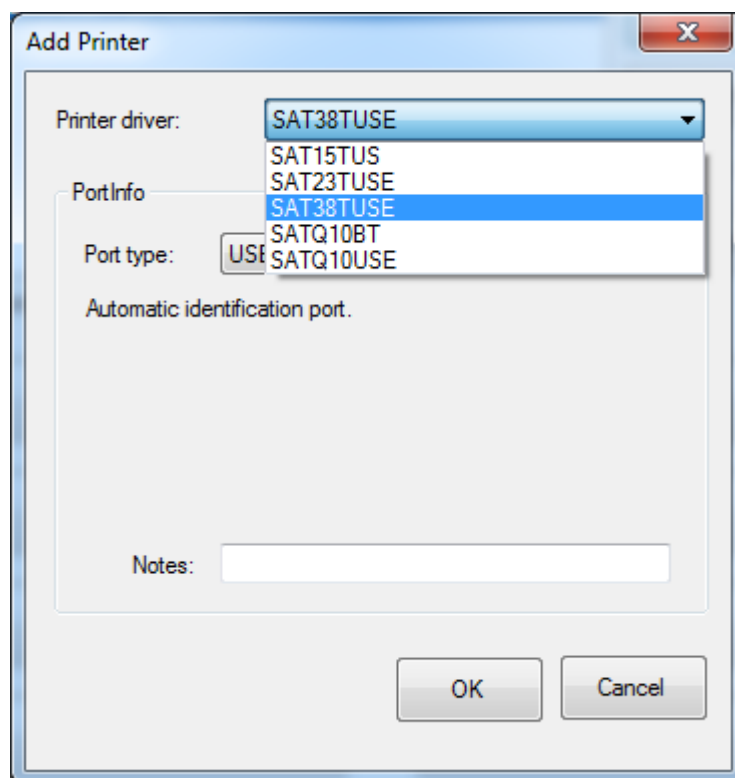
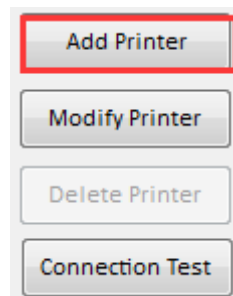
## 2.Using Utility Tool



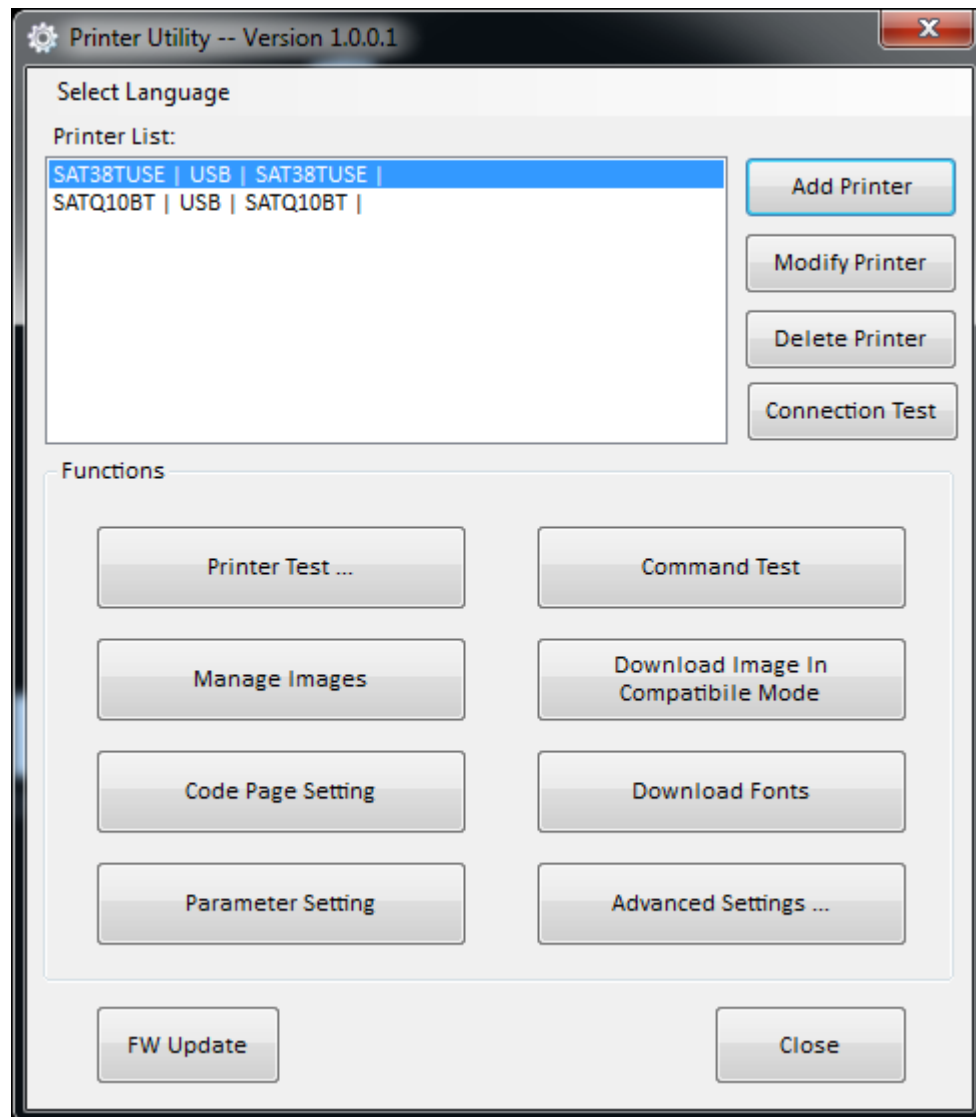
Warning: the screen is different in different operating system. Please operate it according to the tips. Take SAT38TUSE (Windows 7) for example.

- **Add printer**

Click “Add Printer”. Choose the right printer type and port. Then click “OK”. (Take SAT38TUSE for example.)

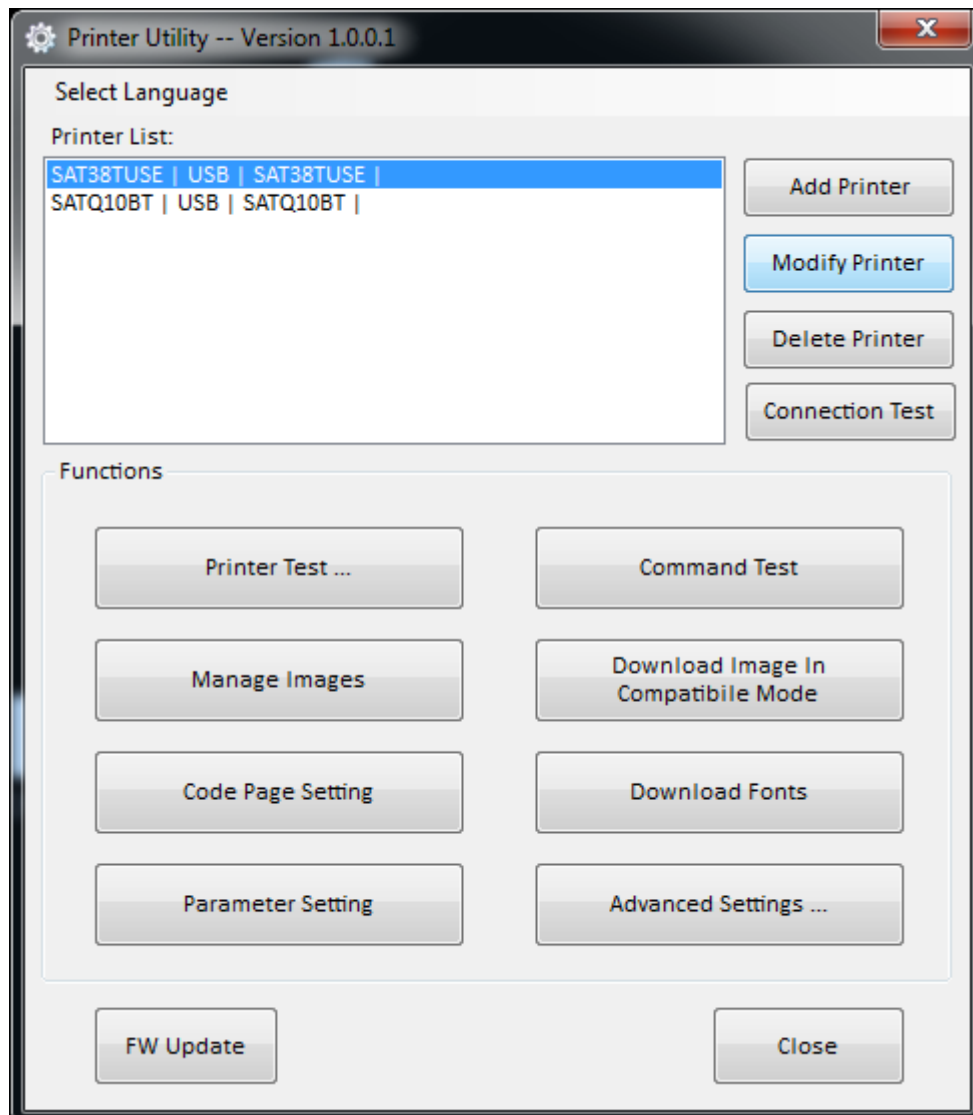




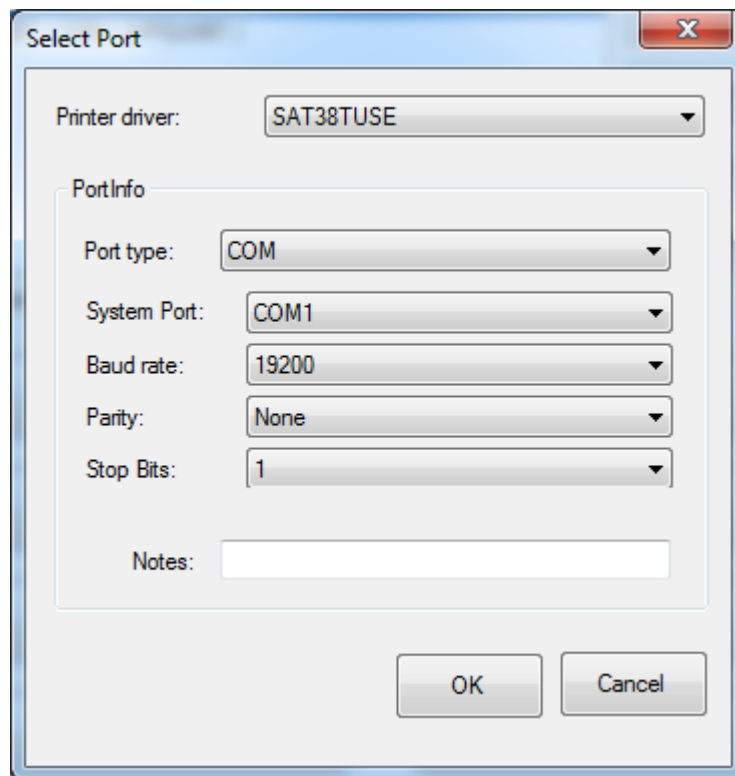


- **Modify printer**

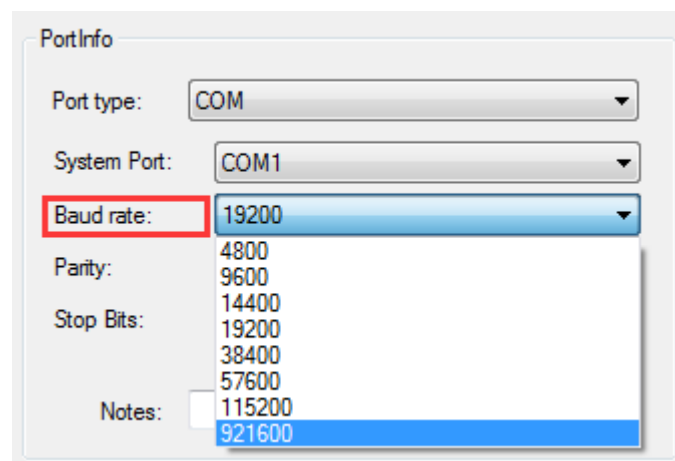
1. Choose the printer you want to modify in the list. Click “Modify Printer”.



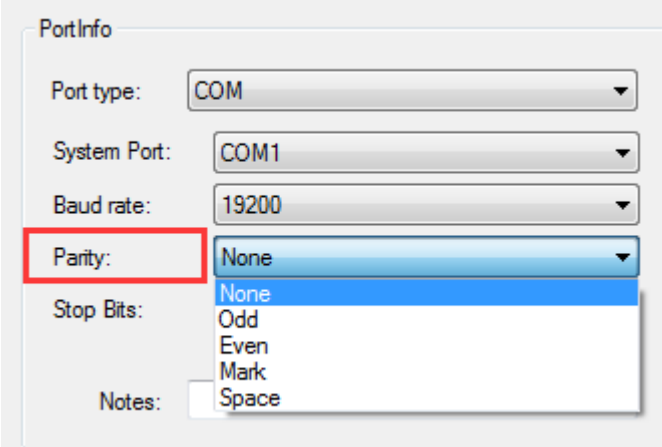
2. Choose the new port. Then click “OK”.



■ Baud rate:

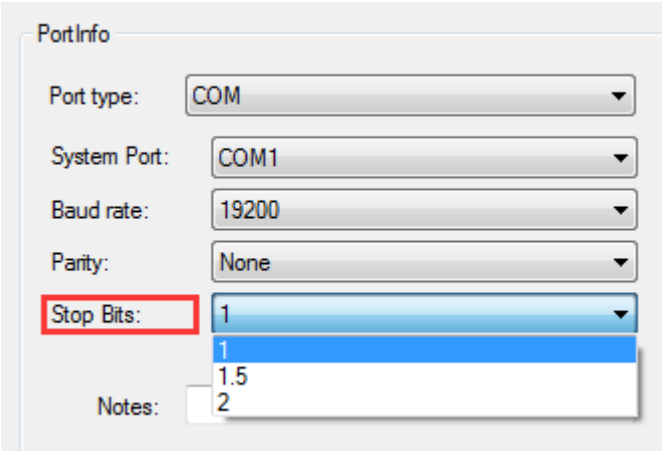


■Parity:



The screenshot shows the 'PortInfo' dialog box. The 'Parity' dropdown menu is open, displaying options: None, Odd, Even, Mark, and Space. The 'None' option is currently selected. Other fields in the dialog include 'Port type' set to 'COM', 'System Port' set to 'COM1', and 'Baud rate' set to '19200'. A 'Notes' checkbox is also visible at the bottom.

■Stop Bits:

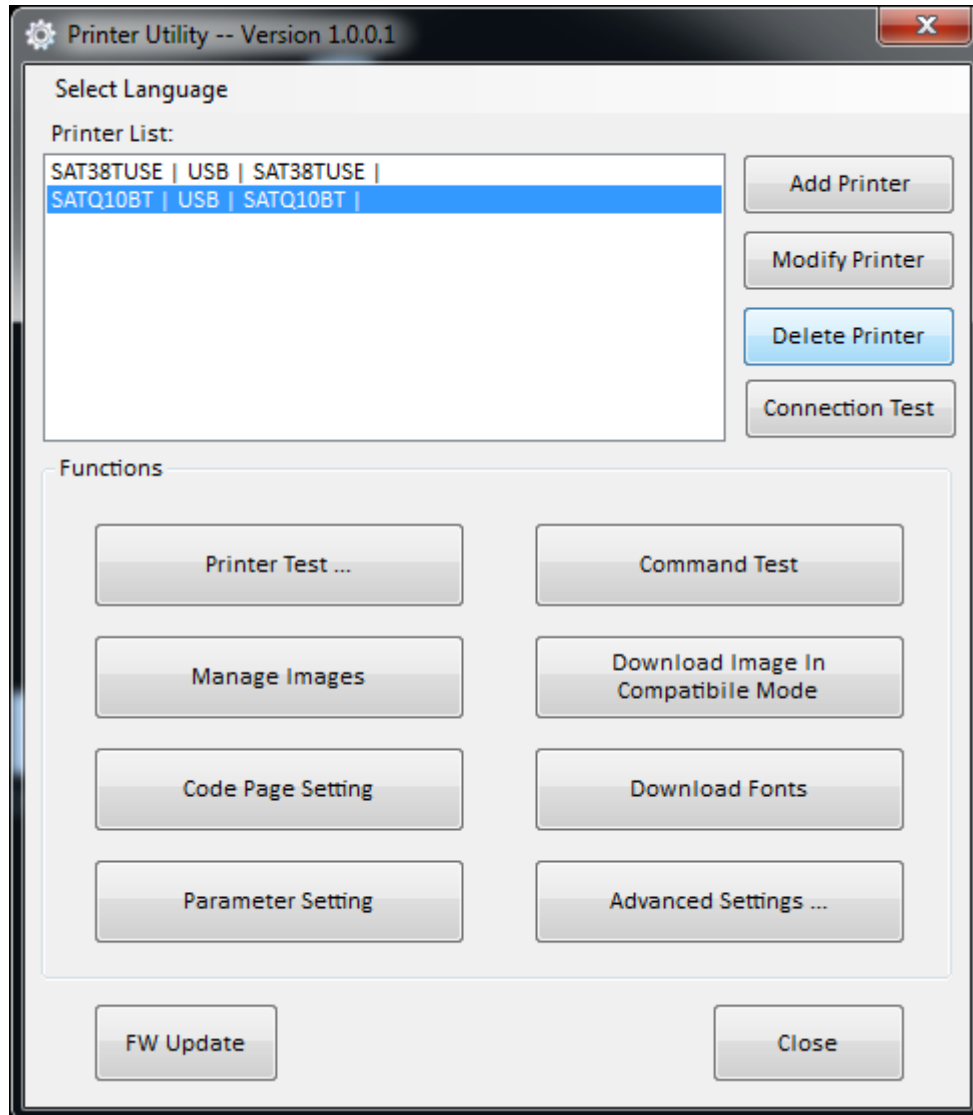


The screenshot shows the 'PortInfo' dialog box. The 'Stop Bits' dropdown menu is open, displaying options: 1, 1.5, and 2. The '1' option is currently selected. Other fields in the dialog include 'Port type' set to 'COM', 'System Port' set to 'COM1', 'Baud rate' set to '19200', and 'Parity' set to 'None'. A 'Notes' checkbox is also visible at the bottom.

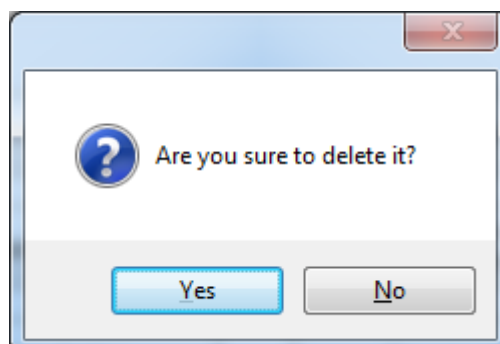
3.The new port is added successfully.

- **Delete printer**

1. Choose the printer you want to delete in the list and click “Delete Printer”.



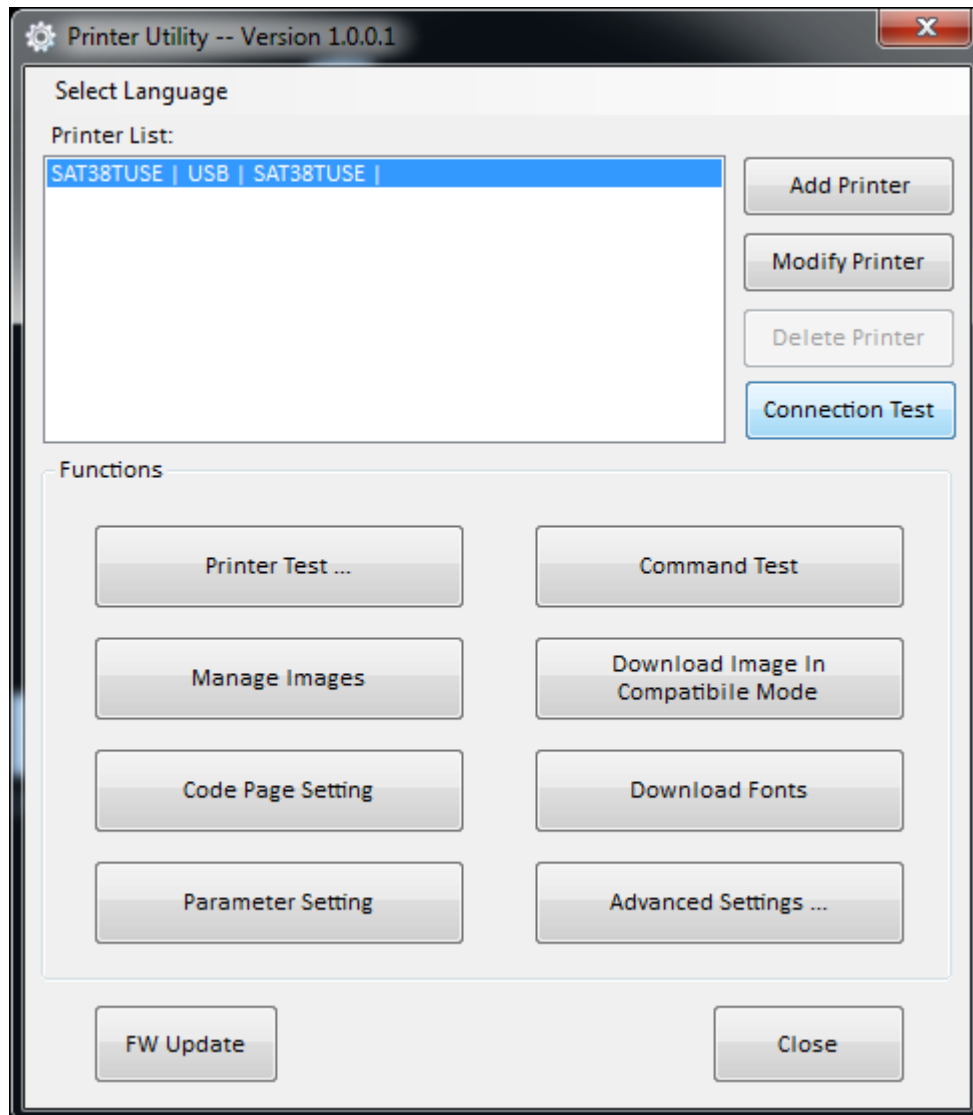
2. Click “Yes”, then the printer is deleted.



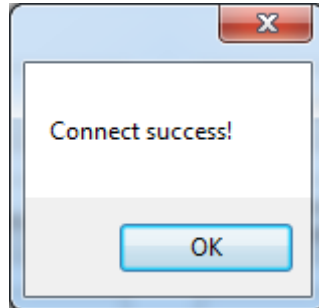
- **Connection Test**

Make sure printer is connected to computer and power on.

1. Choose the printer. Click “Connection Test”.



2.If the connection is successful, it will appear the following window. If the connection is unsuccessful, please reconnect the printer to computer.

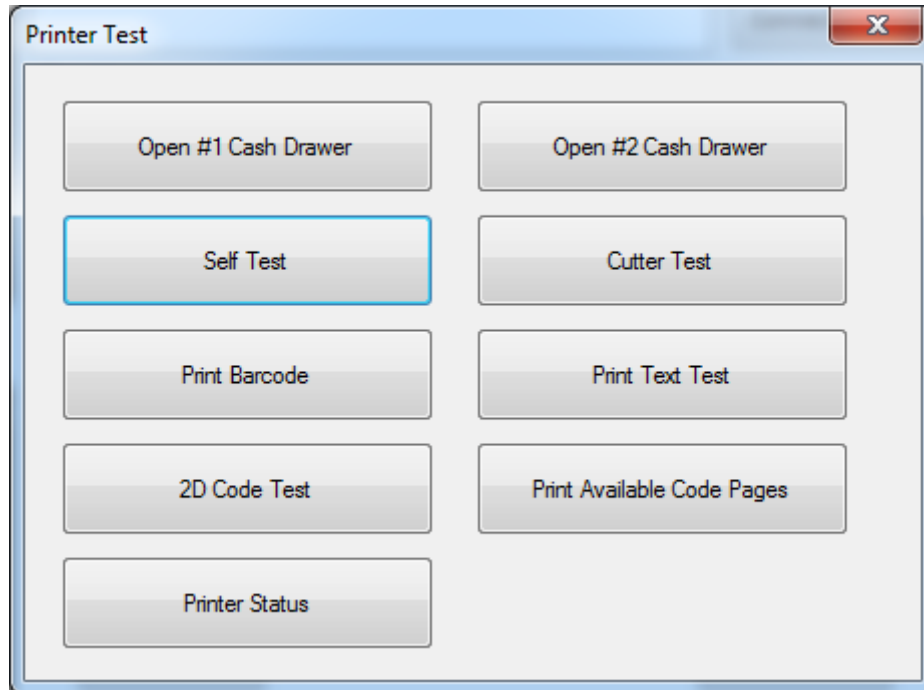


**Note:**

- 1.Make sure printer is connected to computer and power on.
- 2.Make sure printer is loaded with paper.
- 3.Before using the following function, carry out the "Connection Test" first.

- **Printer Test**

Printer Test contains the below items. Click the button and printer will execute the appropriate action.





■2D Code Test (QRCode)

2D Code Test

QRCode PDF417

Model: 1

Module size: 4

Error correction level: L 7%

Data: 123456

Print Close(C)

▲The module size: the largest is 16, the smallest is 1.

▲Error Correction level:

L 7%

L 7%

M 15%

Q 25%

H 30%

■ 2D Code Test(PDF417)

▲ Columns: 0~30

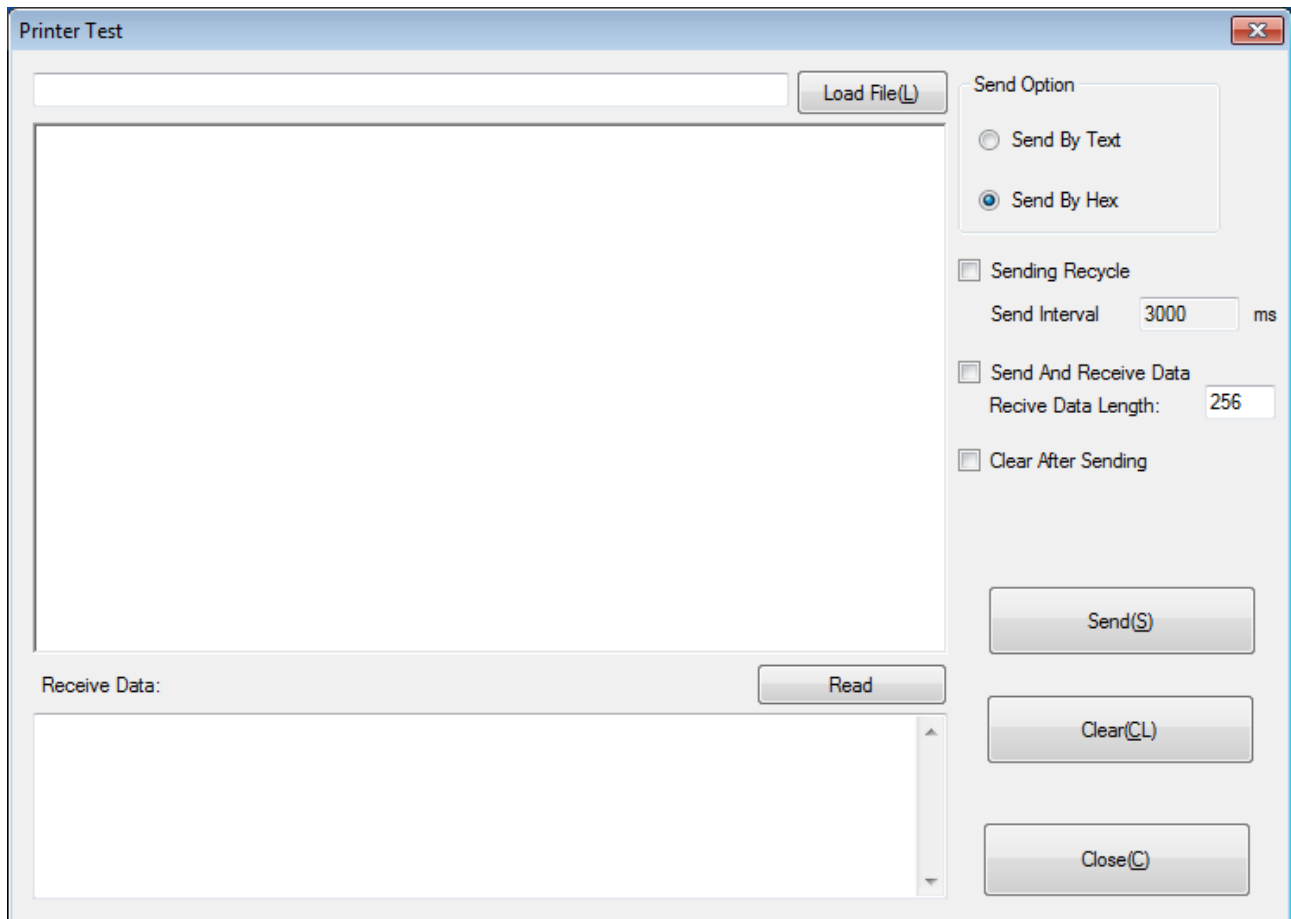
▲ Rows: 0~90

▲ Width of the module: 3~6

▲ Row height: 2~8

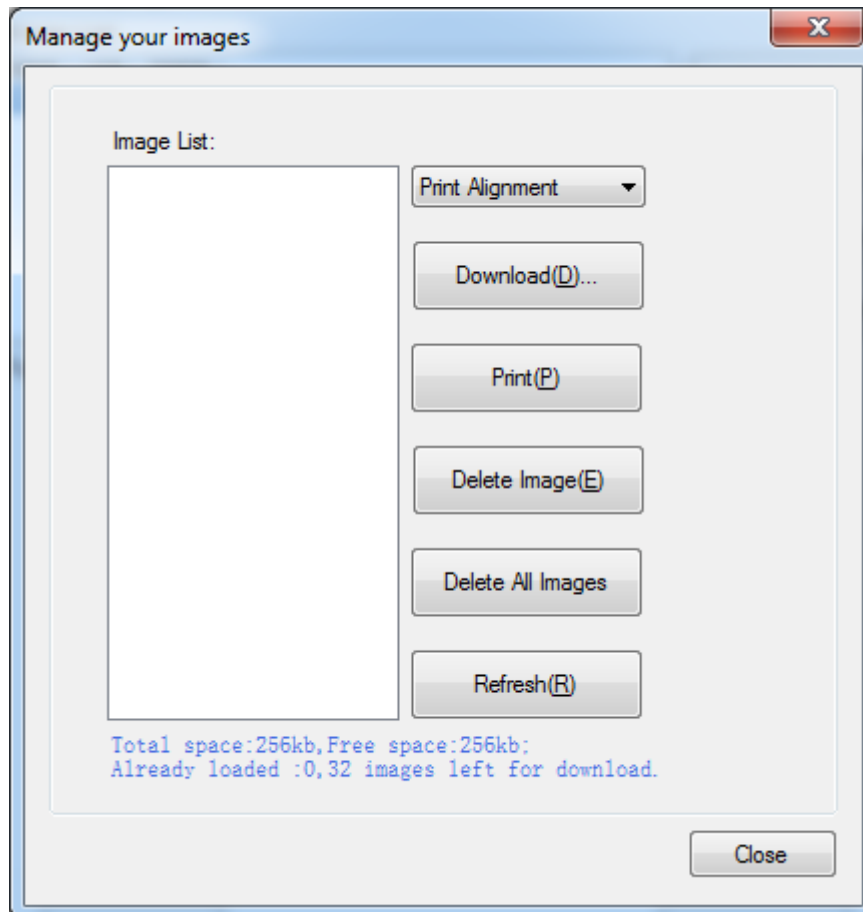
## ● Command Test

In Command Test, you can send commands to printer. Choose the Text or Hex data. Choose a file from the existing files or input the command in the input box.



- **Manage Images**

Choose an image in image list. Click “Print” to print it or click “Delete Image” to delete it.



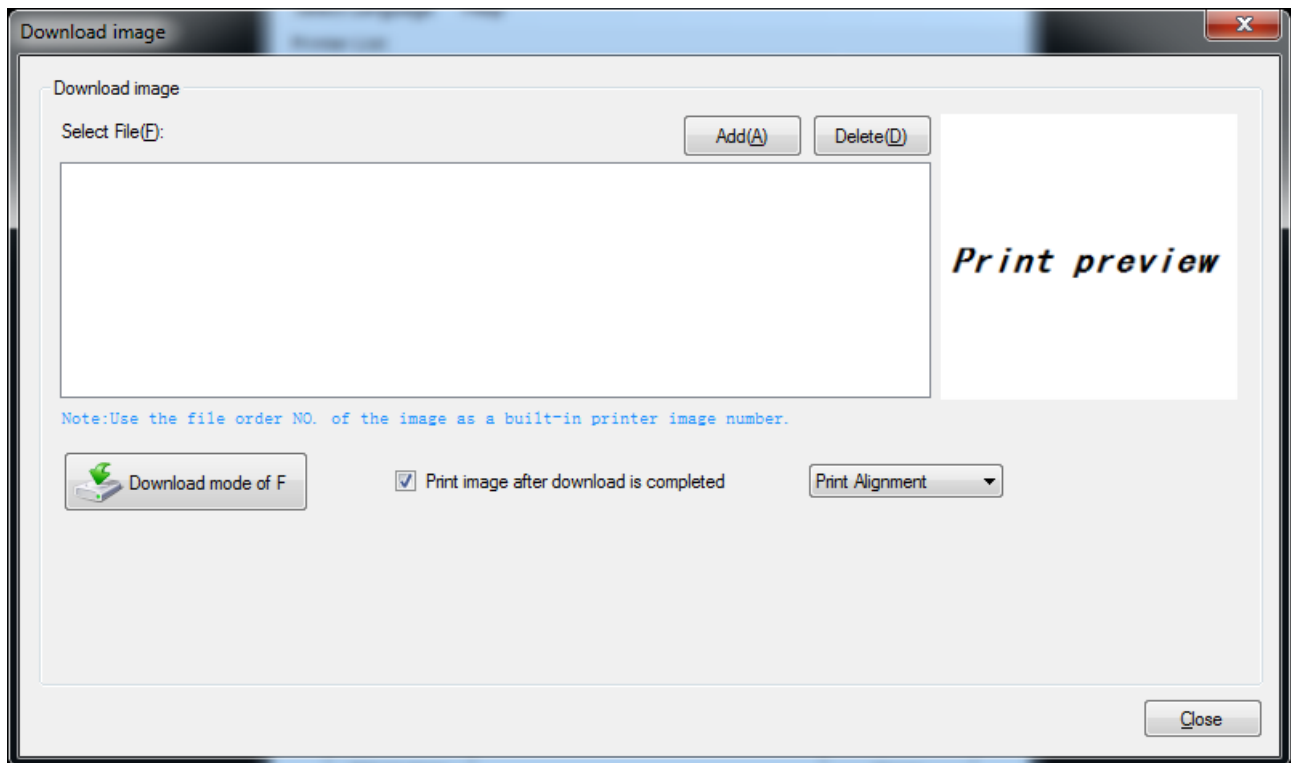
Click “Download(D)” to download a new image into the printer.



**Note:** The total memory is 256K. Each bitmap should be less than 40K.

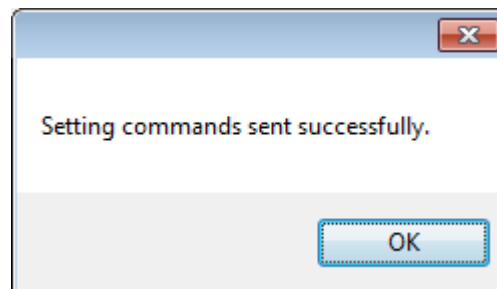
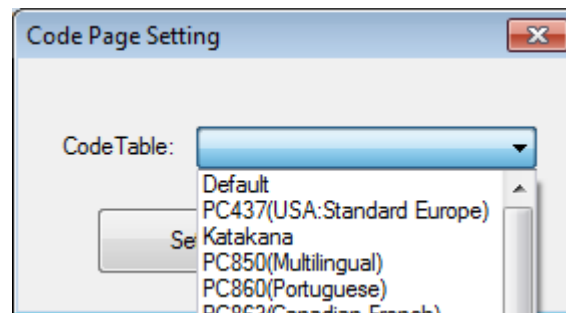
- **Download Image in Compatible Mode**

Download image in compatible mode.



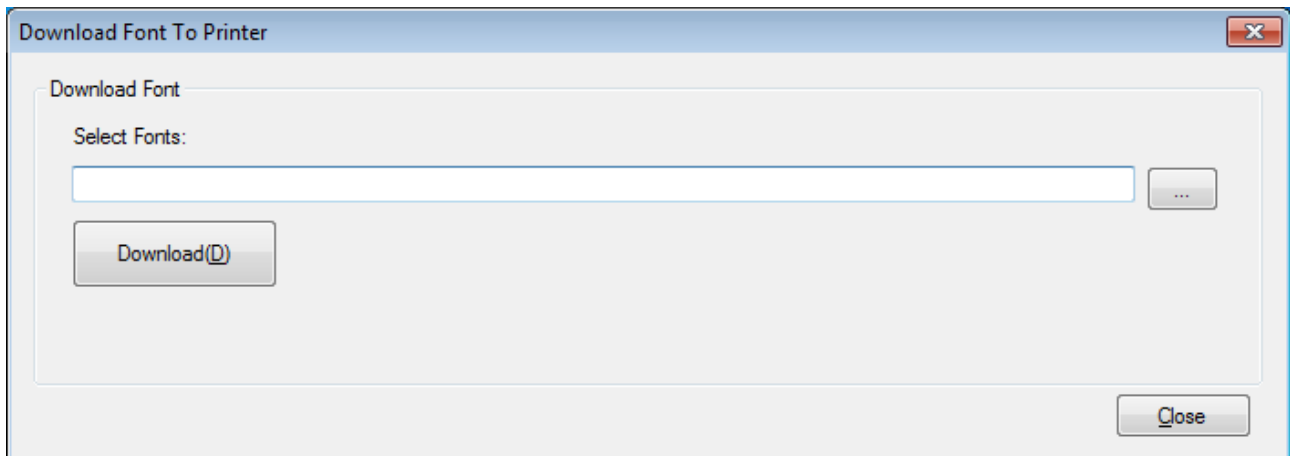
- **Code Page Setting**

Choose the code table from the drop-down menu and click "Setting". After hearing the sound "Beep", it means set successfully.



- **Download Fonts**

Choose the font from existing files and click “Download”. If you checked “Print Sample Text After Download”, the printer will print the sample text after downloading the font.

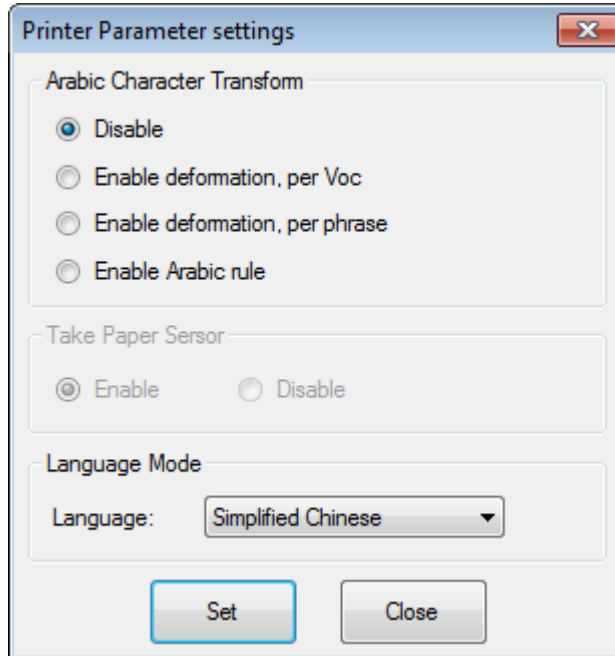


**Note:** this step needs to be restarted to take effect.



- **Parameter Setting**

Choose the item to set character transform, right-left print and language mode.



The dialog box is titled "Printer Parameter settings" and contains three sections:

- Arabic Character Transform:** Four radio buttons are present: "Disable" (selected), "Enable deformation, per Voc", "Enable deformation, per phrase", and "Enable Arabic rule".
- Take Paper Sensor:** Two radio buttons are present: "Enable" (selected) and "Disable".
- Language Mode:** A label "Language:" followed by a dropdown menu currently showing "Simplified Chinese".

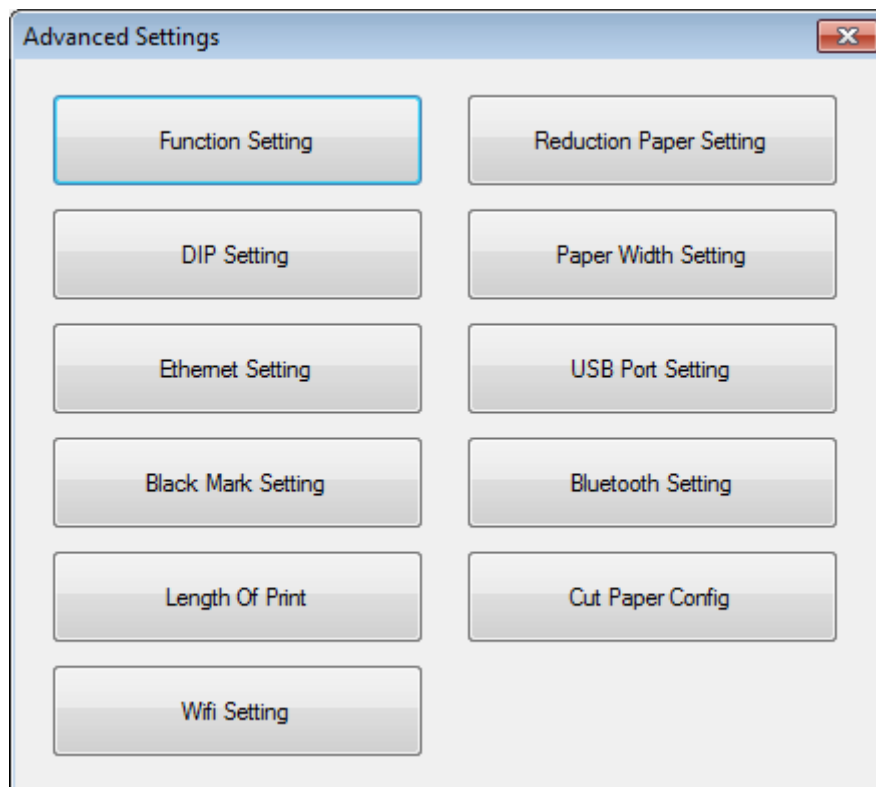
At the bottom of the dialog are two buttons: "Set" and "Close".



**Note:** this step needs to be restarted to take effect.

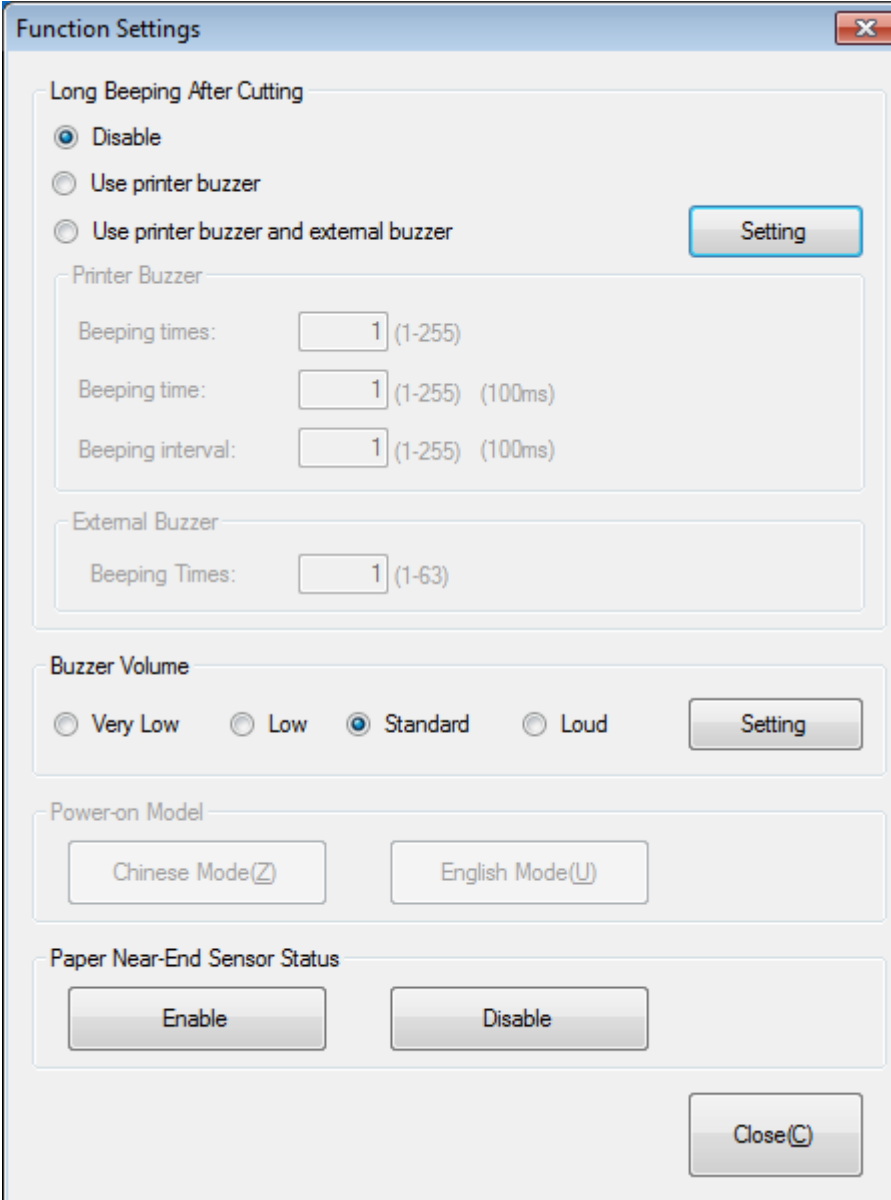
- **Advanced Settings**

Advanced Settings contain following items. Click the button and printer will execute the appropriate action. The change will take into effect after restarting the printer.



## ◆ Function Setting

Choose the item and click “Setting(S)”.



The image shows a 'Function Settings' dialog box with a title bar containing a close button (X). The dialog is organized into several sections:

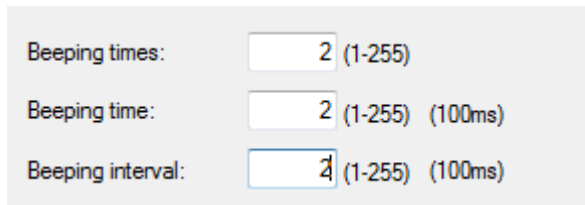
- Long Beeping After Cutting:** Contains three radio buttons: 'Disable' (selected), 'Use printer buzzer', and 'Use printer buzzer and external buzzer'. A 'Setting' button is located to the right of these options.
- Printer Buzzer:** A section containing three input fields, each with the value '1' and a range in parentheses:
  - Beeping times: 1 (1-255)
  - Beeping time: 1 (1-255) (100ms)
  - Beeping interval: 1 (1-255) (100ms)
- External Buzzer:** A section containing one input field with the value '1' and a range in parentheses:
  - Beeping Times: 1 (1-63)
- Buzzer Volume:** Contains four radio buttons: 'Very Low', 'Low', 'Standard' (selected), and 'Loud'. A 'Setting' button is located to the right.
- Power-on Model:** Contains two buttons: 'Chinese Mode(Z)' and 'English Mode(U)'.
- Paper Near-End Sensor Status:** Contains two buttons: 'Enable' and 'Disable'.

A 'Close(C)' button is located at the bottom right of the dialog.

▲ **Long Beeping After cutting:**

- ① **Disable** : there is no sound after cutting
- ② **Use printer buzzer (The beeping time, times and interval time can be set for what you want, such as 2 seconds, 3 seconds or 4 seconds, etc.):**

When cutting one piece of paper each time, the printer will emit the “Beep” for twice, And the beeping time is two seconds and beeping interval is two seconds.



Beeping times:  (1-255)

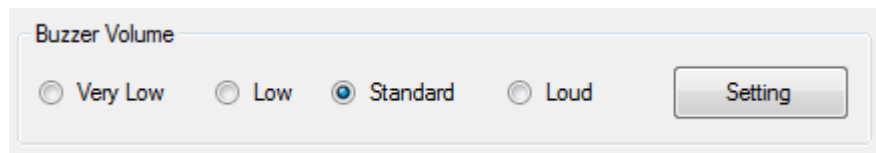
Beeping time:  (1-255) (100ms)

Beeping interval:  (1-255) (100ms)

- ③ **Use printer buzzer and external buzzer:**

When cutting one piece of paper each time, the printer will emit the “Beep” for once, And the beeping time is one second and beeping interval is one second.

▲ **Buzzer Volume:**



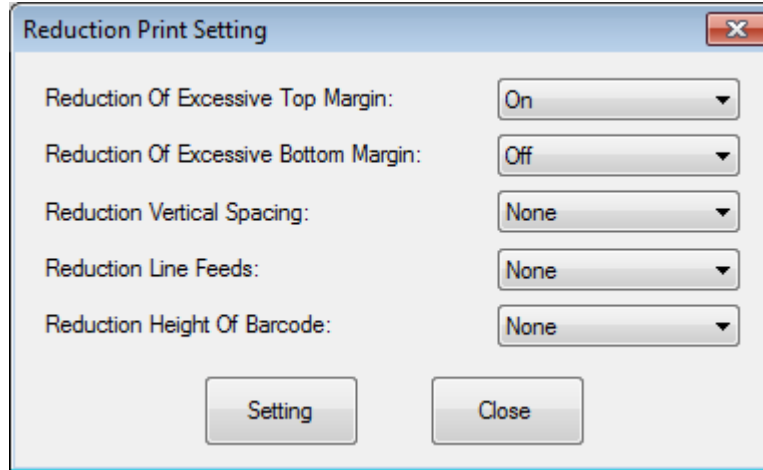
Buzzer Volume

☐ Very Low   ☐ Low   ☒ Standard   ☐ Loud  

The “Very Low” is the minimum sound, and the “Loud” the maximum sound. You can select a volume level and click "Setting" to print (Default: "Standard" level).

◆ **Reduction Paper Setting**

Choose the item and click “Setting”.



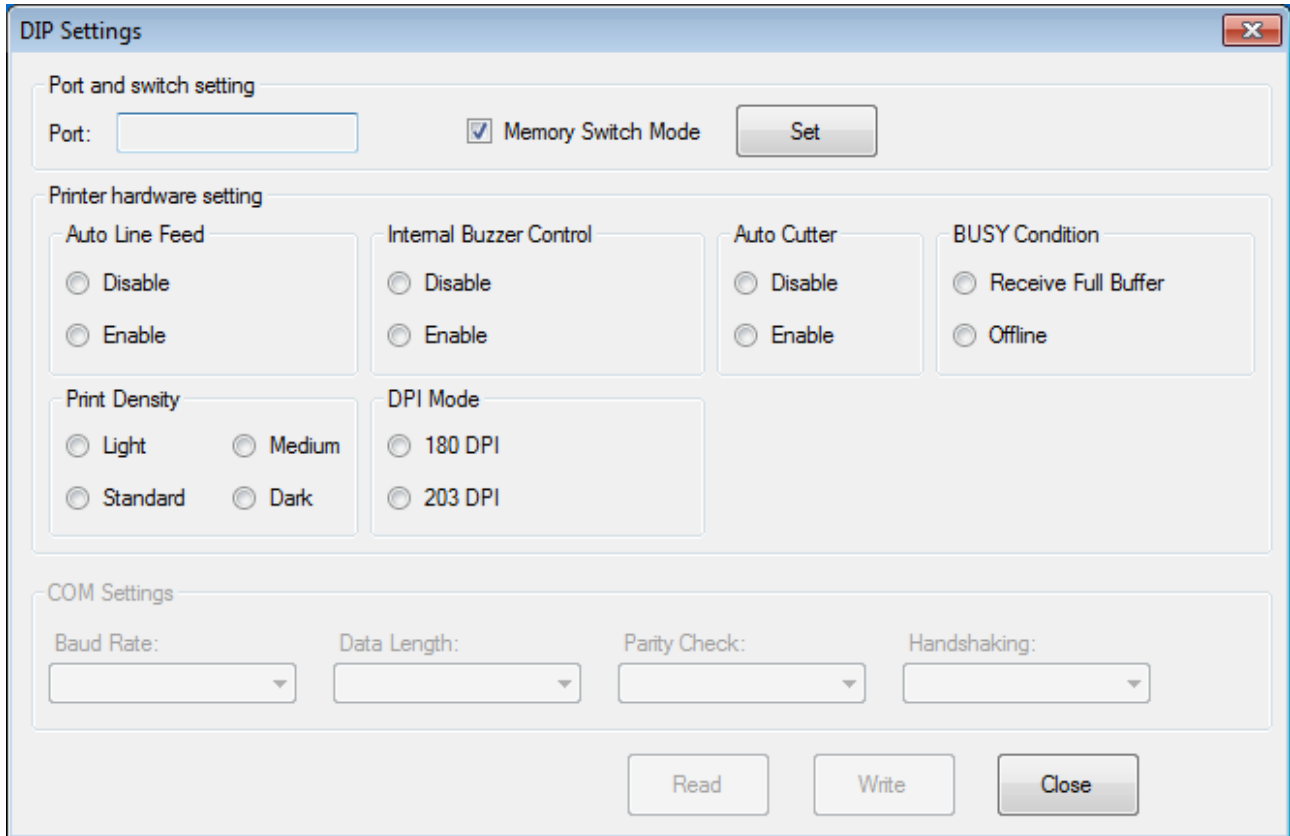
The image shows a software dialog box titled "Reduction Print Setting". It contains five settings, each with a label and a dropdown menu:

- Reduction Of Excessive Top Margin: On
- Reduction Of Excessive Bottom Margin: Off
- Reduction Vertical Spacing: None
- Reduction Line Feeds: None
- Reduction Height Of Barcode: None

At the bottom of the dialog box, there are two buttons: "Setting" and "Close".

### ◆ DIP Setting

Choose the item and click “Set”.



The screenshot shows a software window titled "DIP Settings" with a close button (X) in the top right corner. The window is divided into three main sections:

- Port and switch setting:** Contains a "Port:" text box, a checked checkbox for "Memory Switch Mode", and a "Set" button.
- Printer hardware setting:** Contains four sub-sections with radio button options:
  - Auto Line Feed:** "Disable" (selected) and "Enable".
  - Internal Buzzer Control:** "Disable" (selected) and "Enable".
  - Auto Cutter:** "Disable" (selected) and "Enable".
  - BUSY Condition:** "Receive Full Buffer" (selected) and "Offline".
- Print Density and DPI Mode:** Two sub-sections:
  - Print Density:** "Light" (selected), "Medium", "Standard", and "Dark".
  - DPI Mode:** "180 DPI" (selected) and "203 DPI".

At the bottom of the window is the **COM Settings** section, which includes four dropdown menus for "Baud Rate:", "Data Length:", "Parity Check:", and "Handshaking:". Below these are three buttons: "Read", "Write", and "Close".

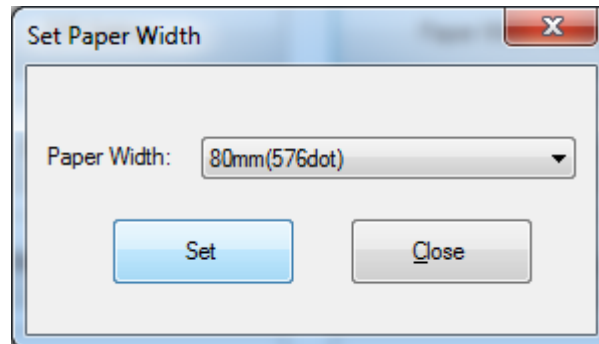
Note: When DIP setting is set in soft, the DIP switch in the bottom of printer is disable.



**Note: this step needs to be restarted to take effect.**

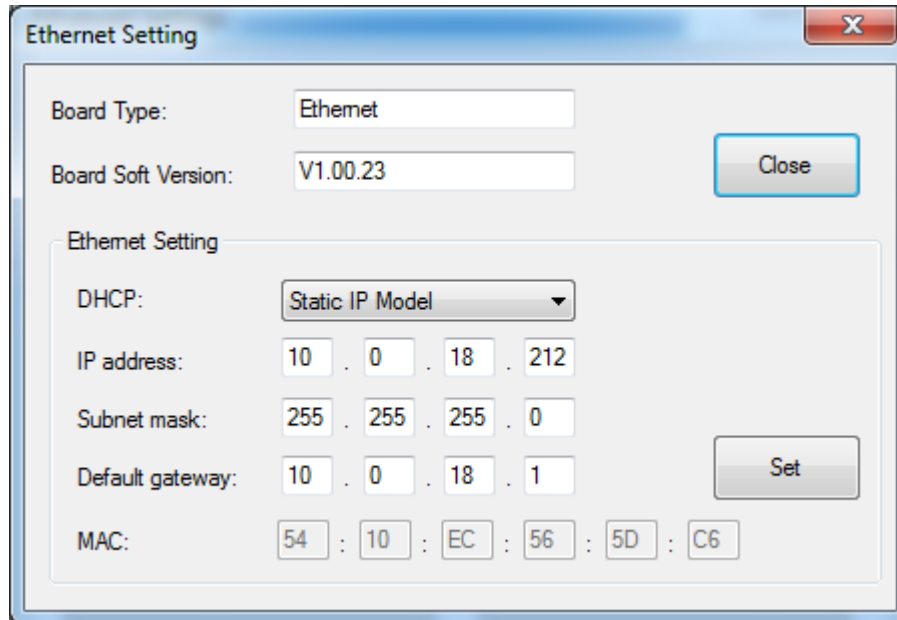
◆ **Paper Width Setting**

Choose the item and click “Set”.

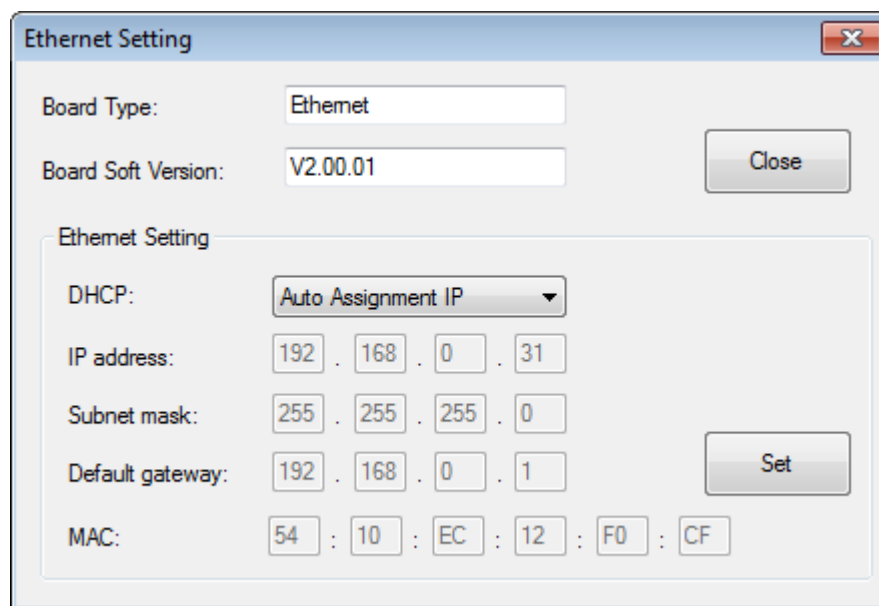


### ◆ Ethernet Setting

Choose the item and click “Set”.



The screenshot shows the 'Ethernet Setting' window. At the top, 'Board Type' is set to 'Ethernet' and 'Board Soft Version' is 'V1.00.23'. A 'Close' button is on the right. Below, the 'Ethernet Setting' section has a 'DHCP' dropdown set to 'Static IP Model'. The 'IP address' is 10.0.18.212, 'Subnet mask' is 255.255.255.0, and 'Default gateway' is 10.0.18.1. The 'MAC' address is 54:10:EC:56:5D:C6. A 'Set' button is on the right.



The screenshot shows the 'Ethernet Setting' window with 'Board Type' as 'Ethernet' and 'Board Soft Version' as 'V2.00.01'. A 'Close' button is on the right. In the 'Ethernet Setting' section, the 'DHCP' dropdown is set to 'Auto Assignment IP'. The 'IP address' is 192.168.0.31, 'Subnet mask' is 255.255.255.0, and 'Default gateway' is 192.168.0.1. The 'MAC' address is 54:10:EC:12:F0:CF. A 'Set' button is on the right.

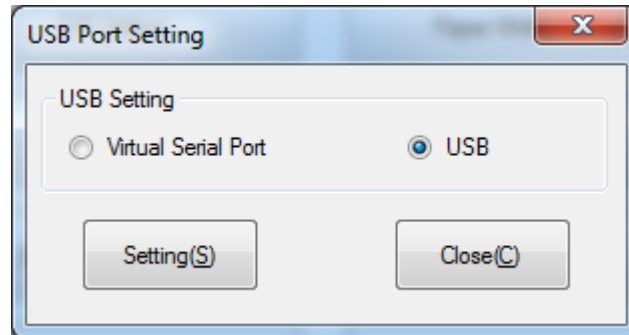


**Note:** this step needs to be restarted to take effect.



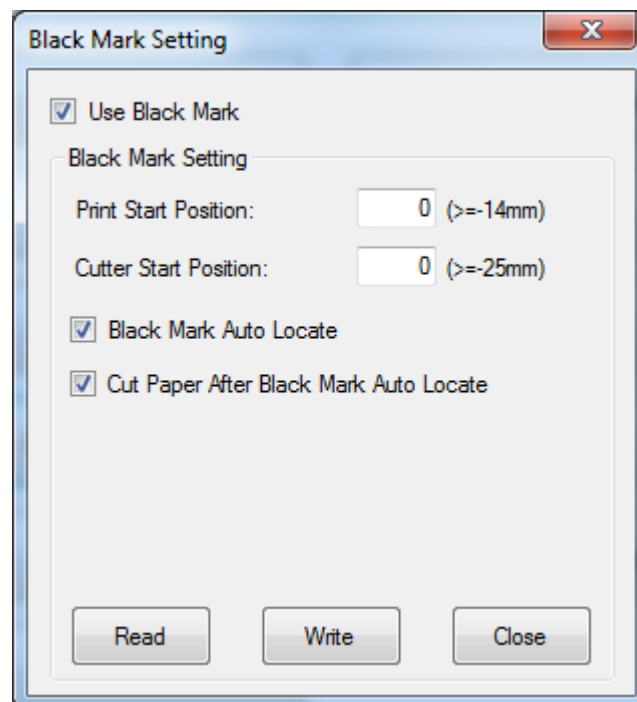
### ◆ USB Port Setting

Choose the item and click “Setting(S)”.



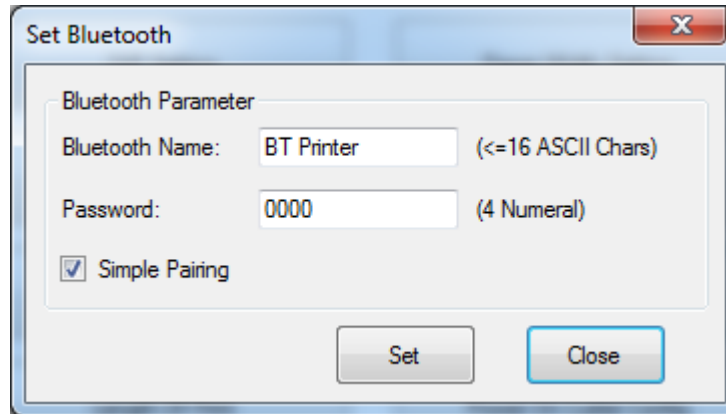
### ◆ Black Mark Setting (Optional)

Enter “Black Mark Setting” to set the print start position and cutter start position; it can set black mark auto locate and cut paper after black mark auto locate.

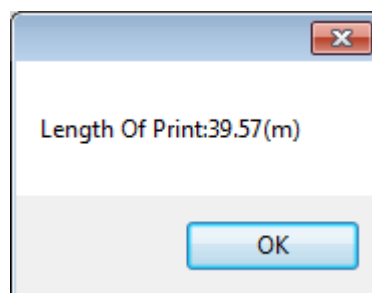


◆ **Bluetooth Setting**

Enter “Bluetooth Setting” to set Bluetooth parameter; you need to restart the printer after setting.

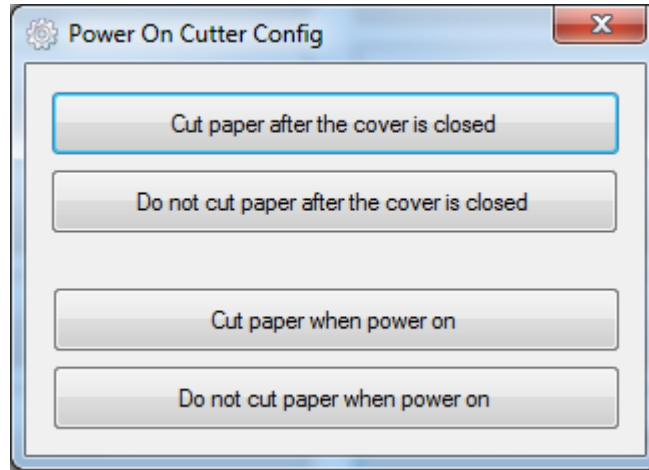


◆ **Length of Print**



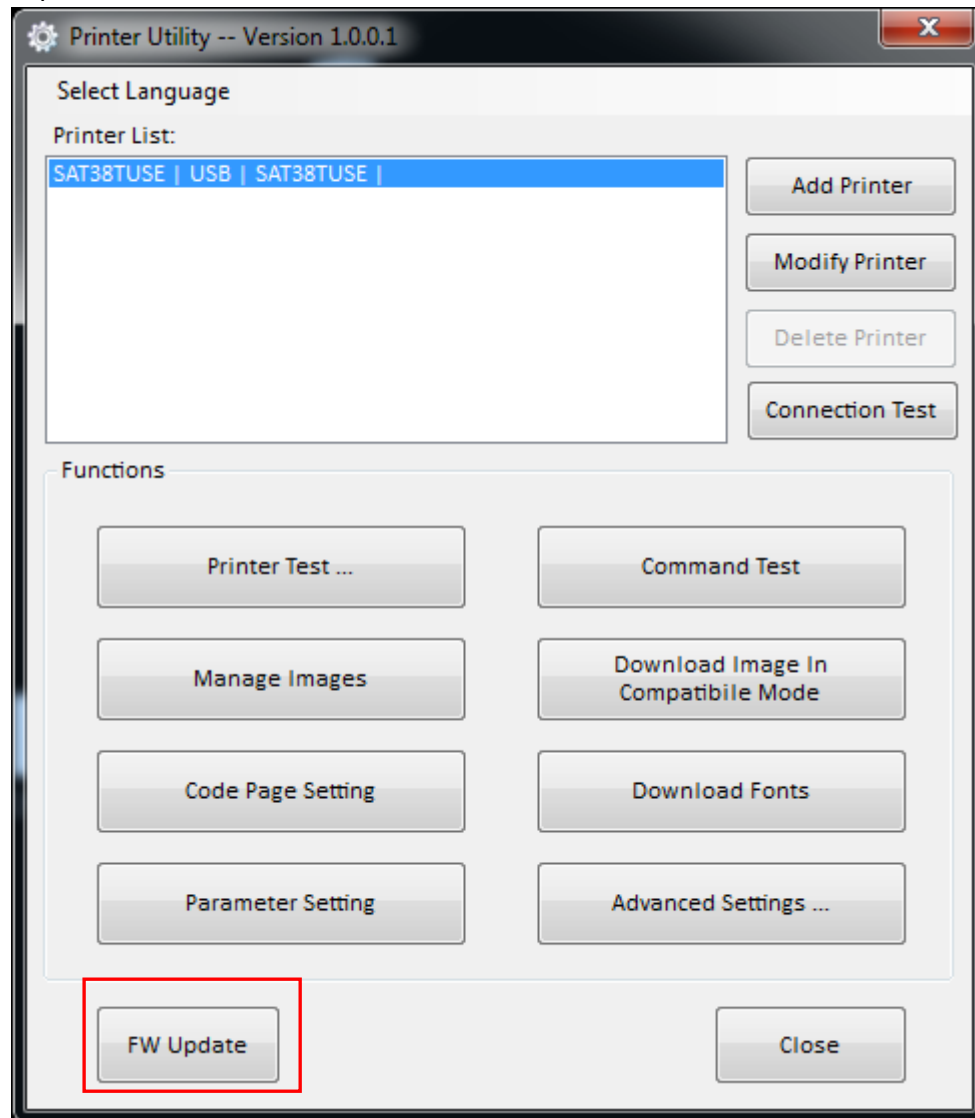
◆ **Cut Paper Config**

Choose the item and the printer will execute the appropriate action

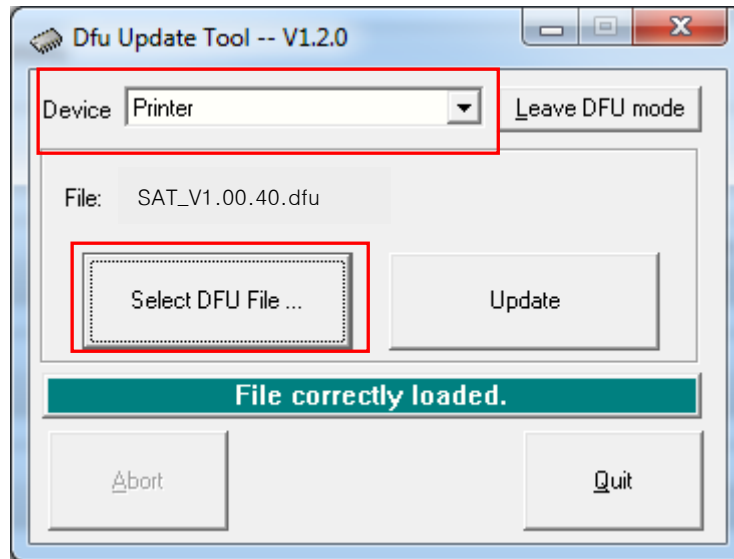


## 3.Firmware Update

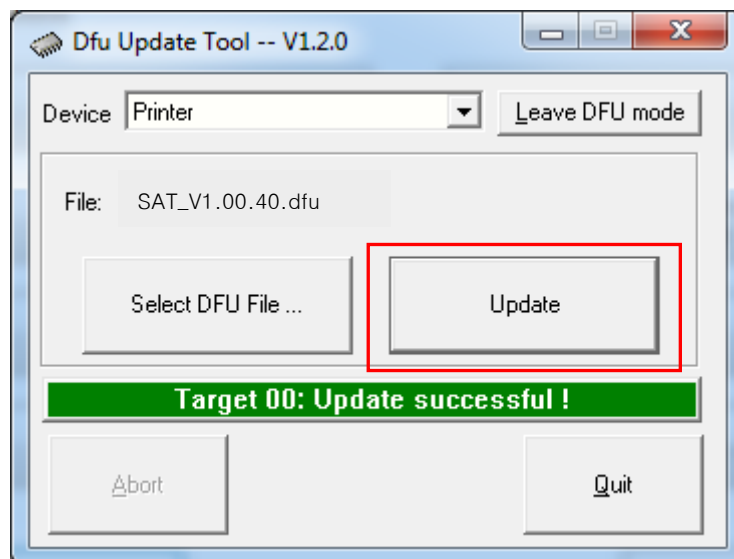
1. Click “FW Update”.



2. When this device option appears “Printer”, then select DFU file.



3. Click “Update”. It will load twice.



4. Finally, restart the printer.