TSC PRINTRONIX AUTO ID

TSC Console

User Manual

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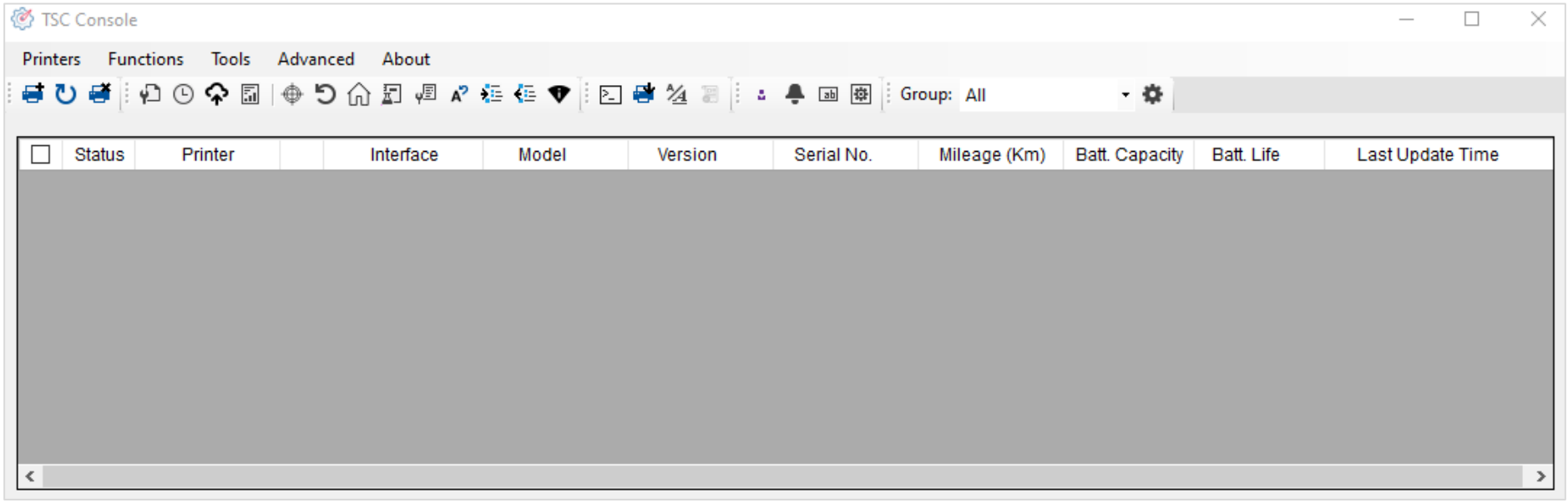
Table of Contents

1. Getting Started

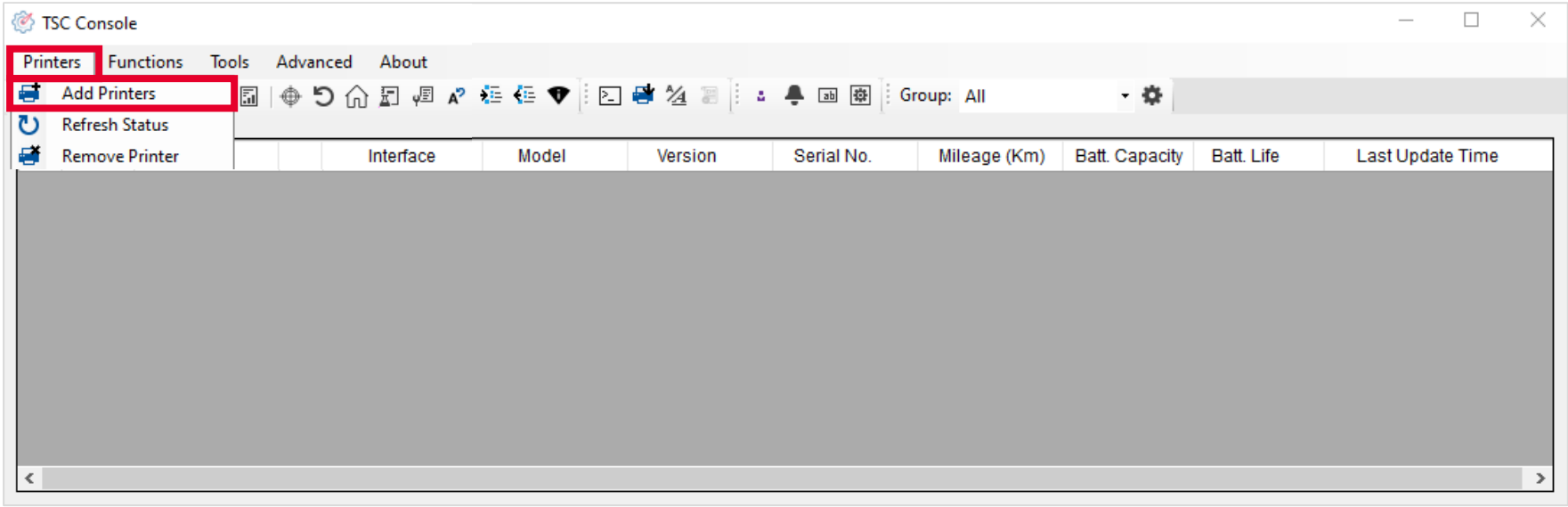
1. Unzip the **TSC Console** file.
2. **Double Click** to enter **TSC Console** interface.



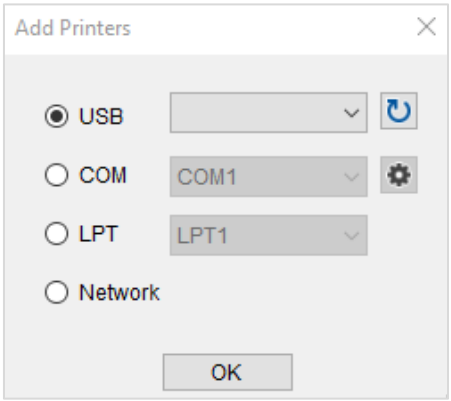
2. Interface Setup

2.1 USB

1. Click the **Printers** and select **Add Printers.**



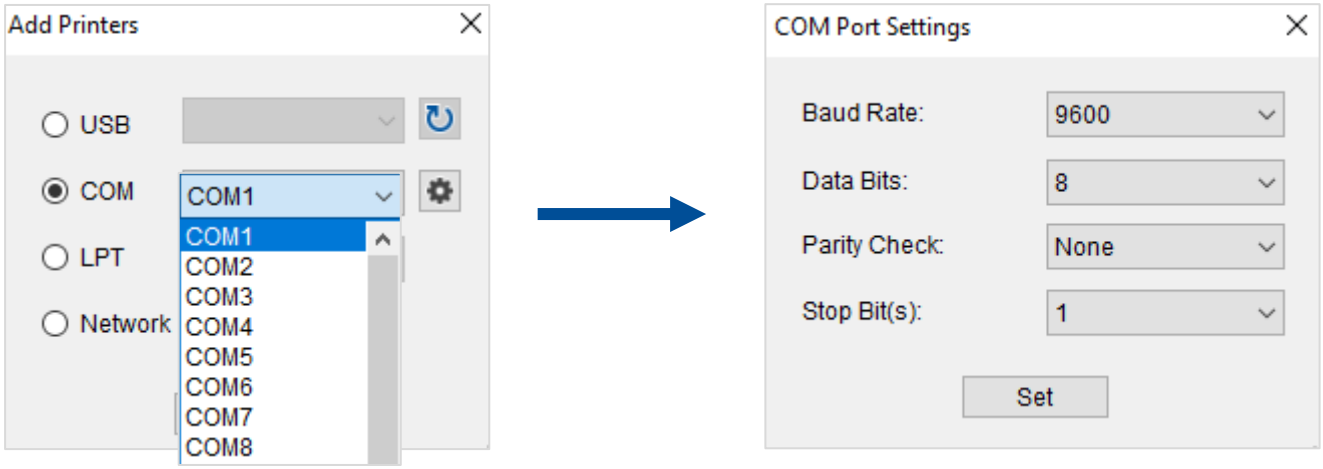
2. Select **USB** and click **OK** to find the device.



2.2 Com Port (RS232 and Bluetooth)

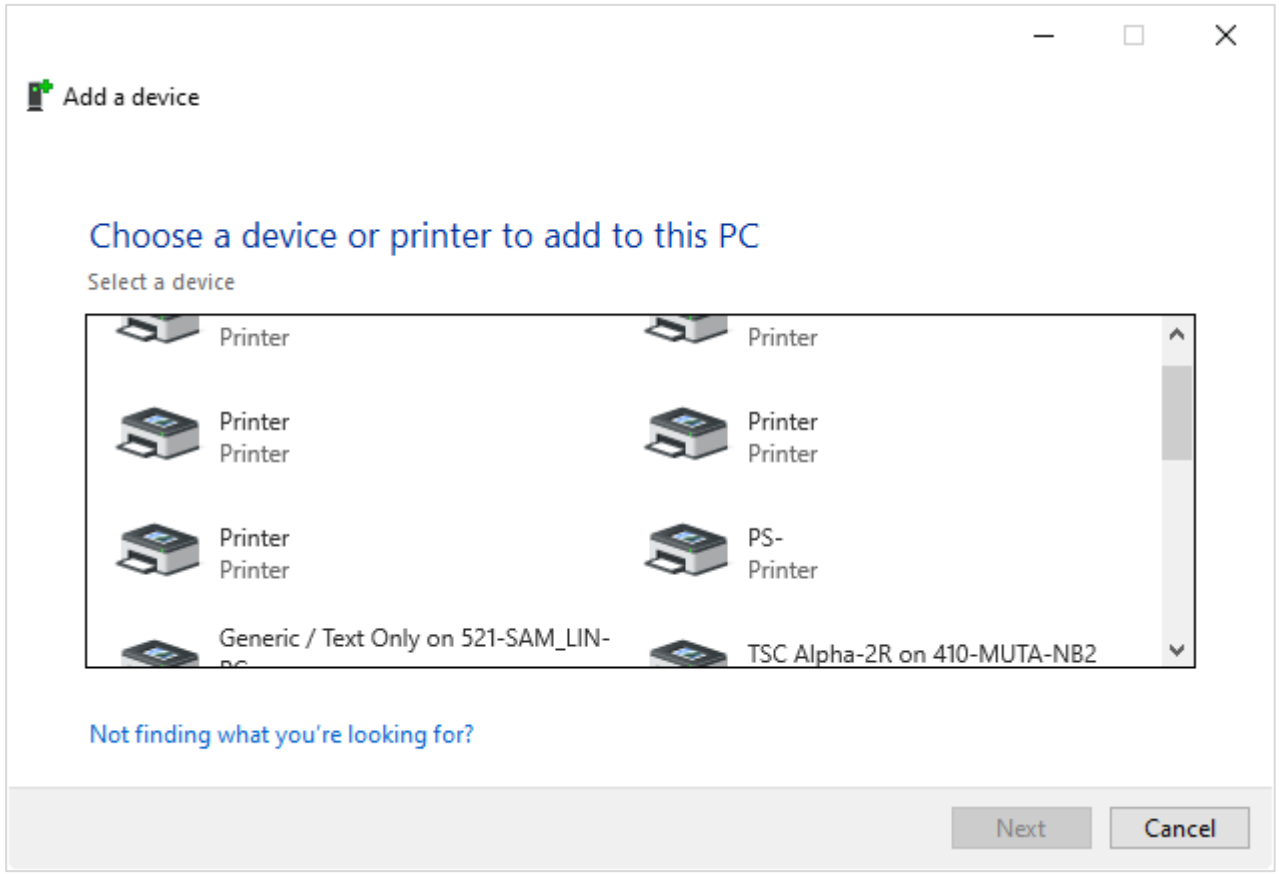
RS232:

1. Use **COM Port** through the computer to connect to the printer.
2. Select the corresponding **COM Port** and finish the setup.

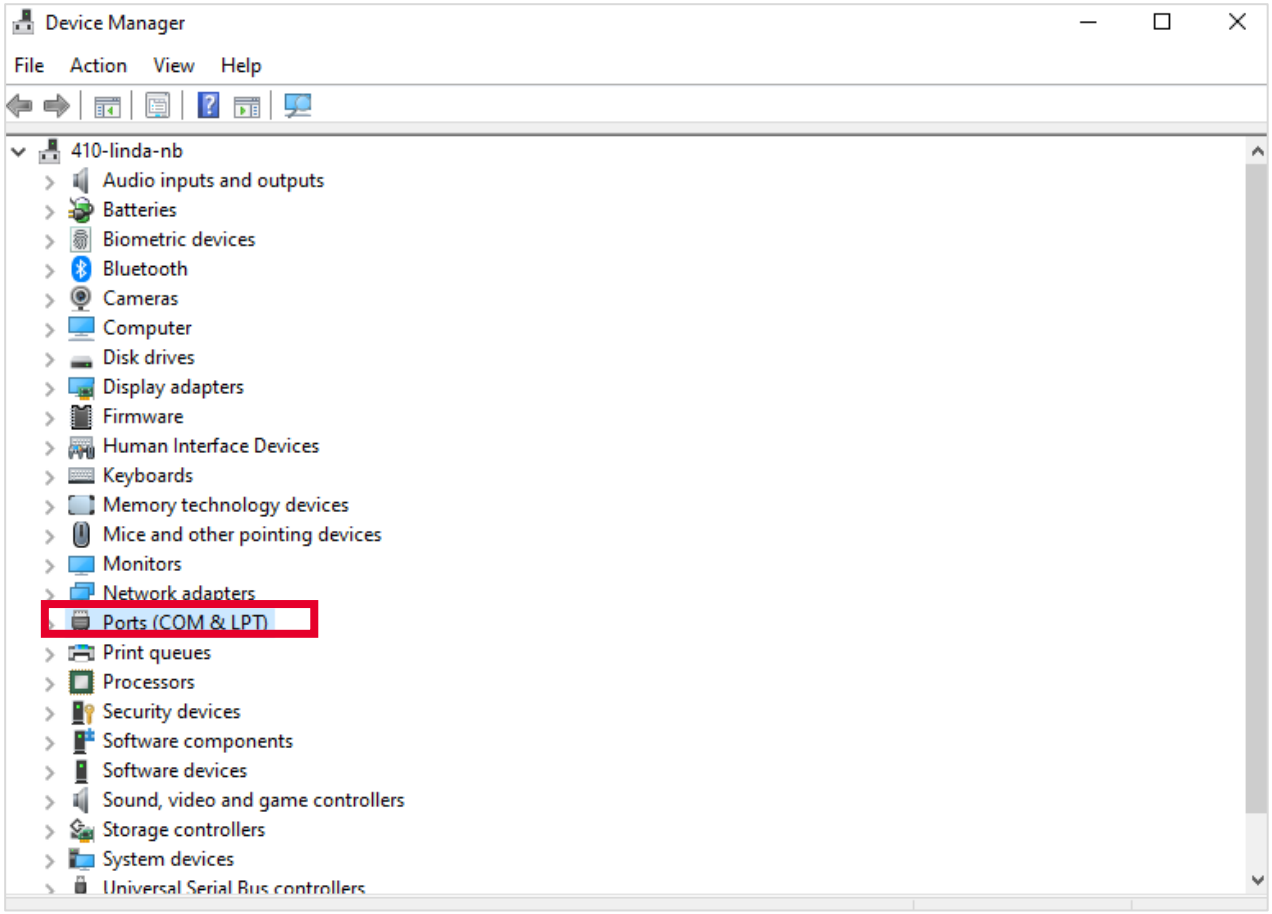


Bluetooth:

1. [Control Panel] → [Hardware and Sound] → [Devices and Printers] → [Add Device] (Select the Bluetooth name)



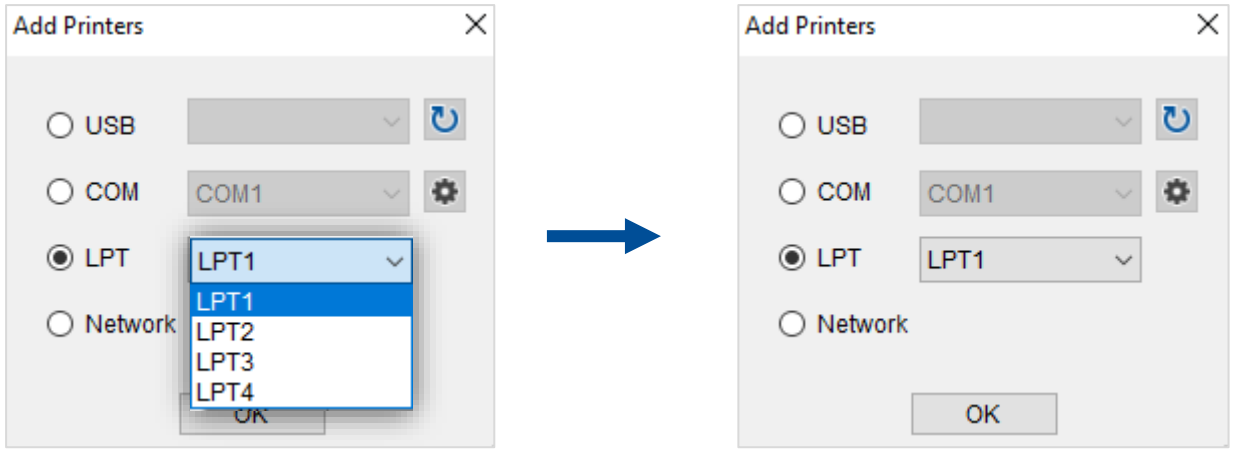
2. [Control Panel] → [Hardware and Sound] → [Devices and Printers] → [Device Manager] (Check COM Port)



3. Select the corresponding **Com Port** on **TSC Console.**

LPT:

1. Select the **LPT Port** and click **OK**.

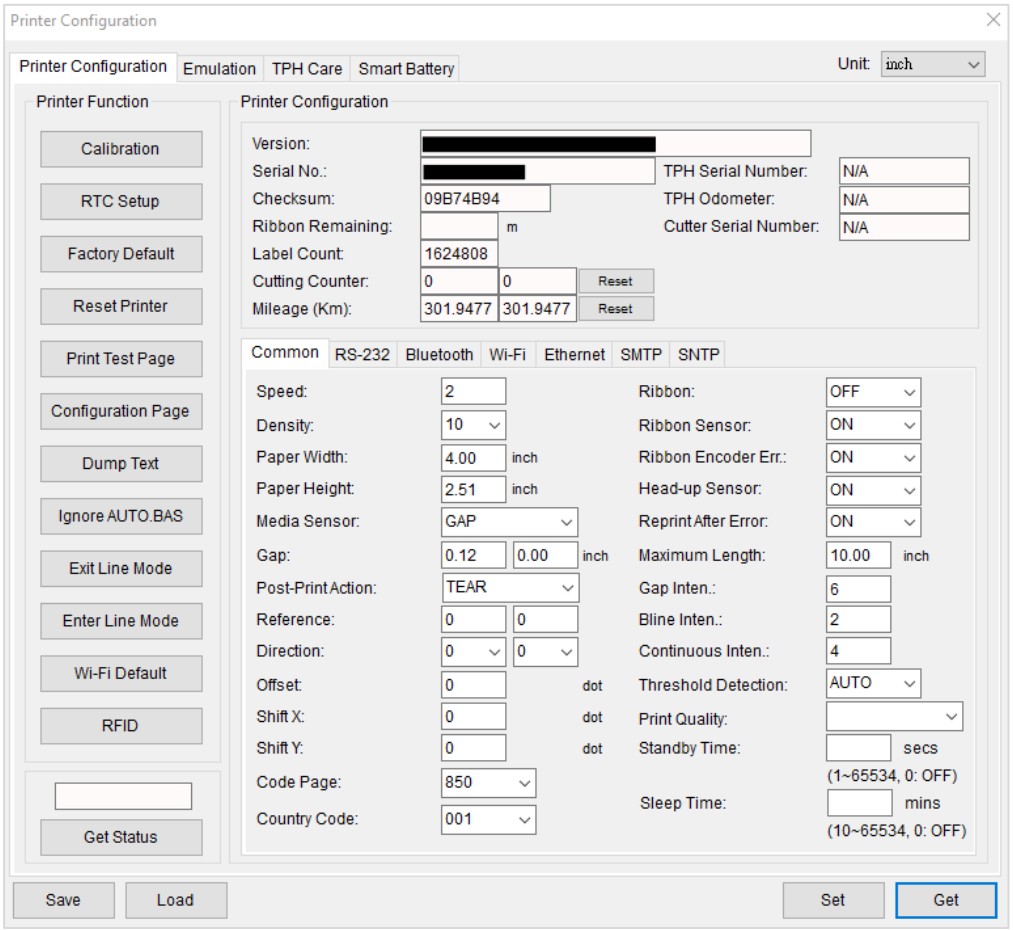


※ **Printer LPT port is one way communication. It can not receive feedback of the info from the printer.**

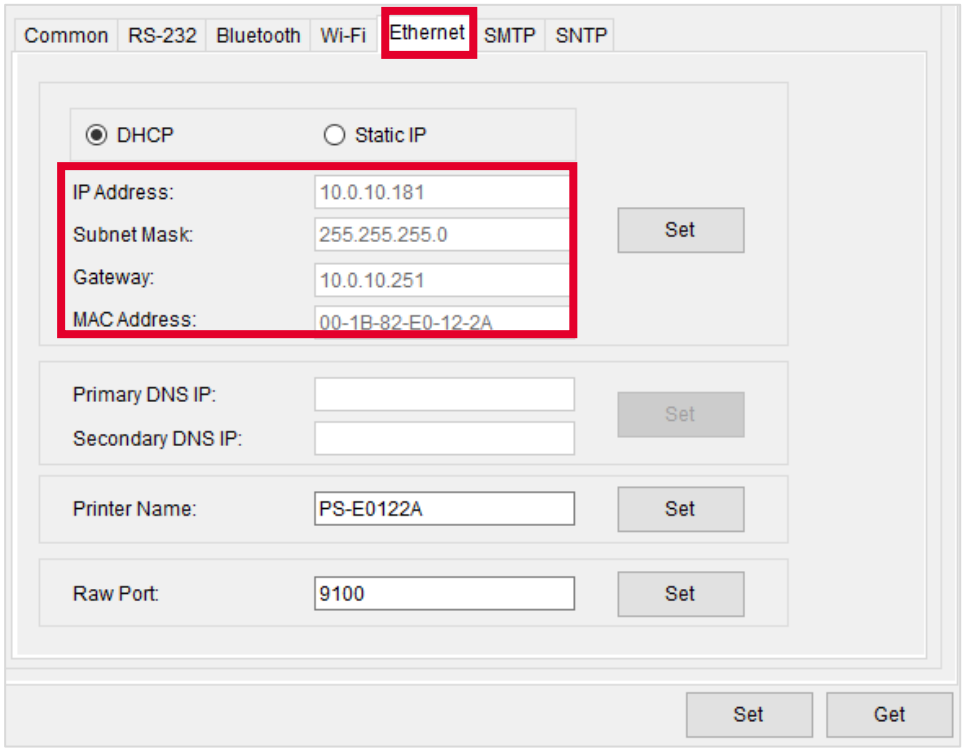
2.3 Network (Ethernet and WiFi)

Network (Ethernet)

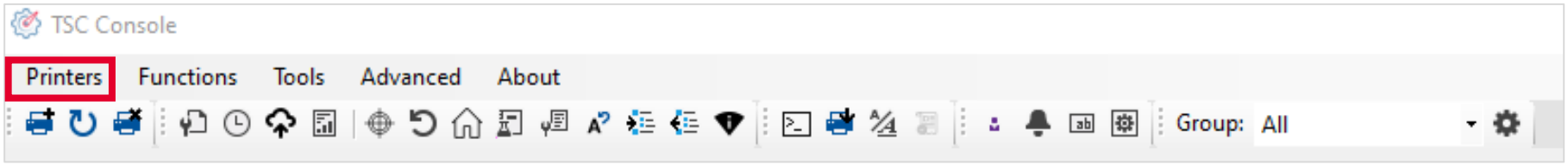
1. Use **USB** or **COM** to establish the interface on **TSC Console**.
2. Double click to enter the **Printer Configuration Page.**



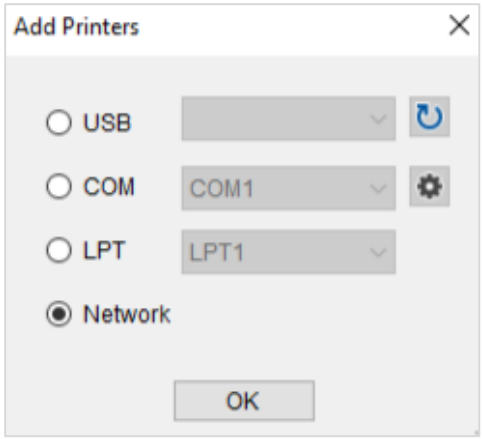
3. Click **Ethernet** tab and Check the **IP Address.**

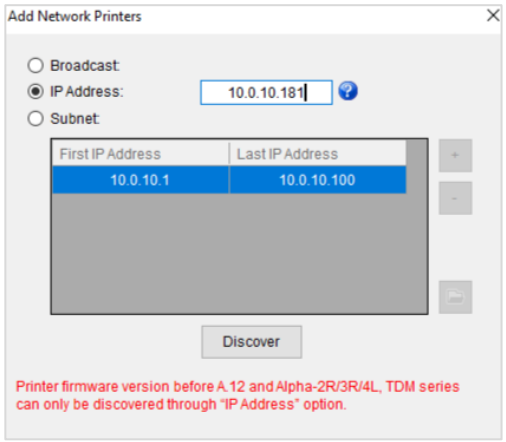


4. Return to **TSC Console** main page → Click **Printer** → Select **Add Printers.**

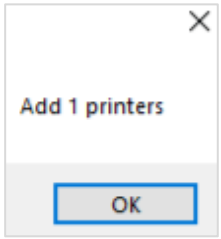


5. Choose **Network** → Key in the **IP Address** → Click **Discover** to establish the Ehternet interface.

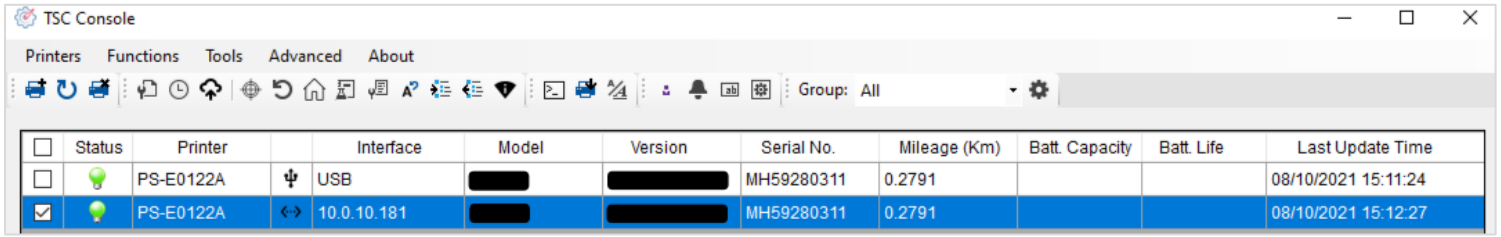




6. The notification will pop up, click **OK** to close the window

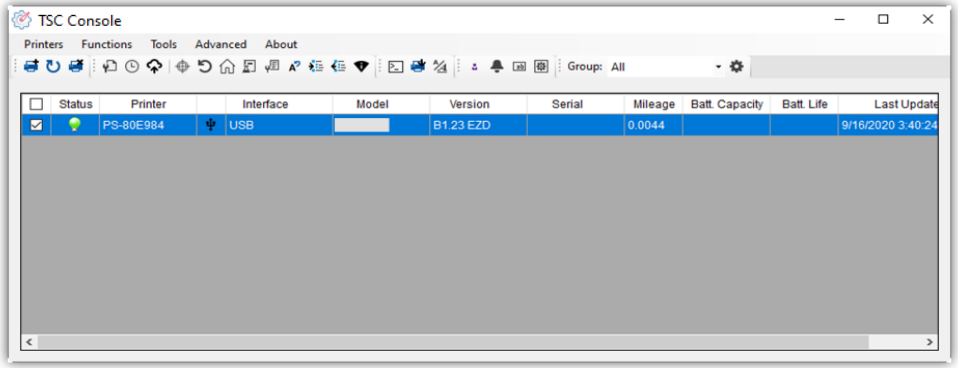


7. The **Ethernert interface** will be shown on **TSC Console**.

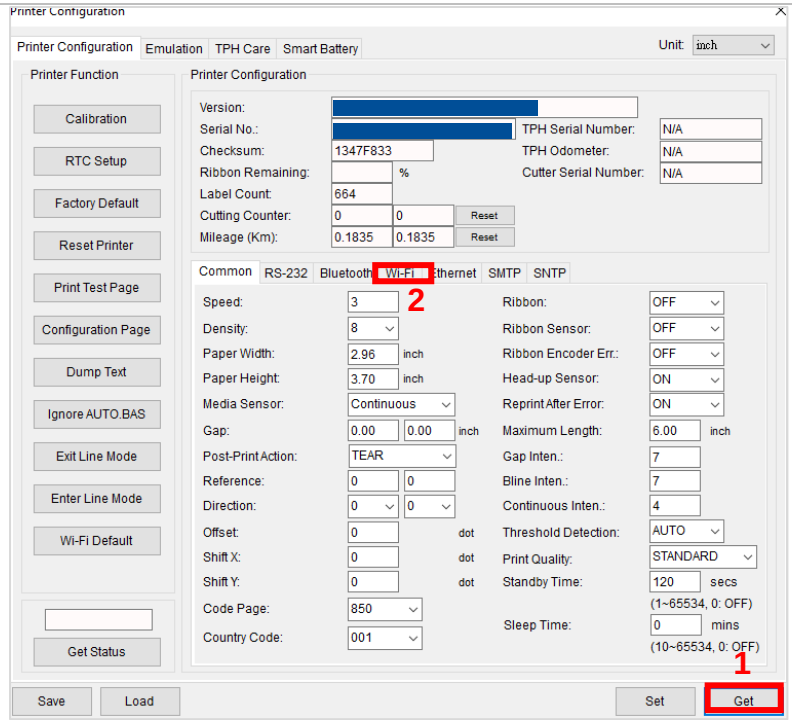


Network (WiFi)

1. Use **USB** or **COM Port** to set up the interface. (refer to chp.2.1,2.2)
2. Double click to enter the printer configuration page.



3. Click **Get** to receive printer's information.
4. Click **Wi-Fi** to the wi-fi



For WPA-Personal

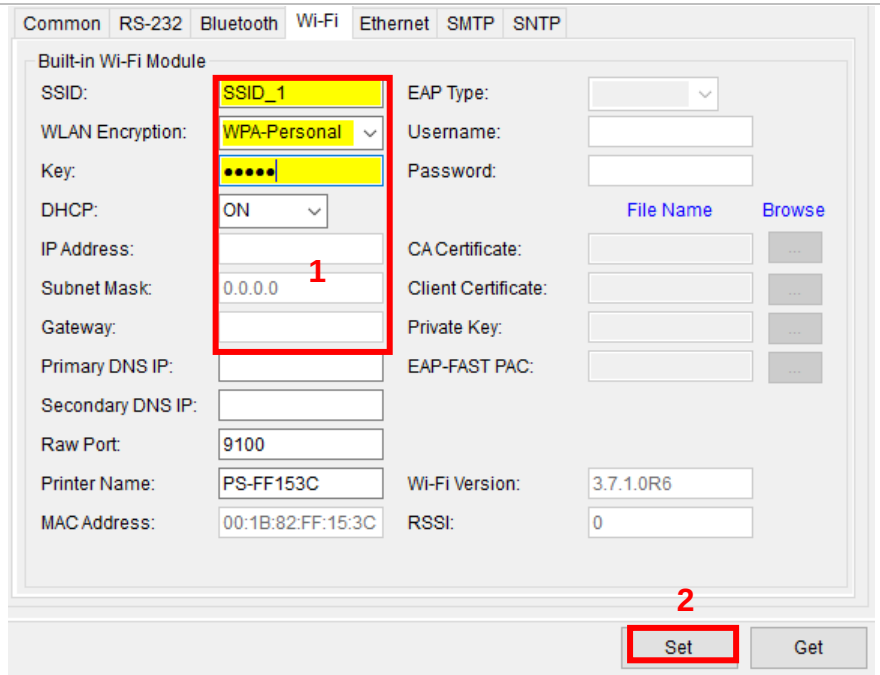
I. Fill-in the **SSID**.

II. Select the Encryption option to **WPA-Personal.**

III. Fill-in the Key.

IV. Select **DHCP** to **ON**. (For **OFF** option, please fill-in the IP Address, Subnet Mask and Gateway)

V. After setting, click the **Set** button.



For WPA-Enterprise

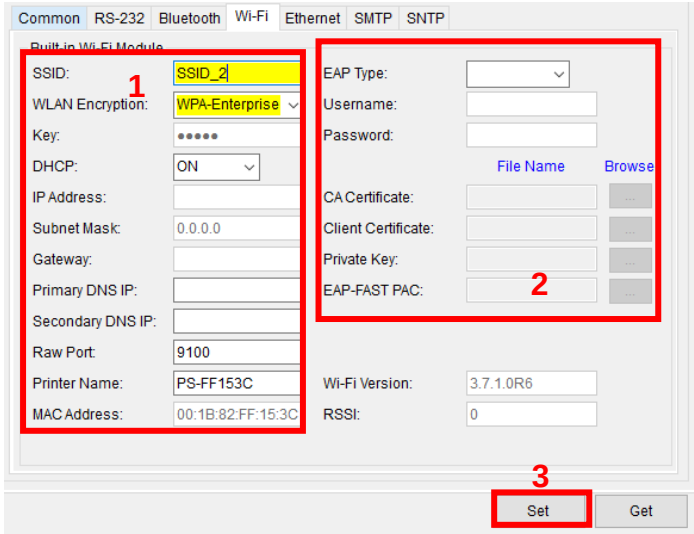
I. Fill-in the **SSID**.

II. Select the Encryption option to **WPA2-Enterprise**.

III. Select DHCP to **ON** (For **OFF** option, please fill-in the IP Address, Subnet Mask and Gateway)

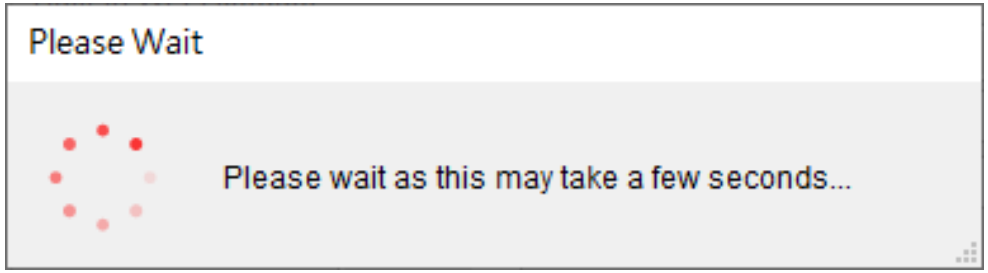
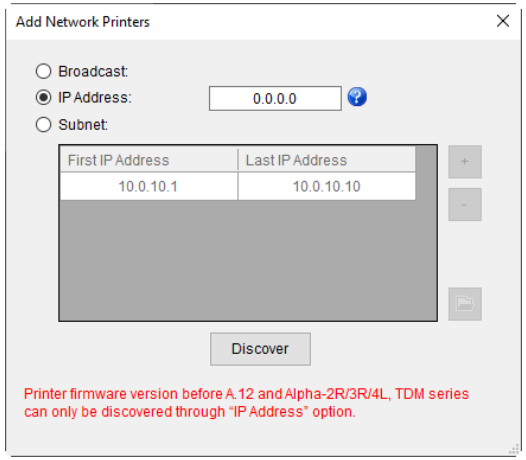
IV. Select the **EAP Type** option. (For **EAP-TLS** option, please upload the CA and Key for mutual authentication, integrity-protected cipher suite negotiation, and key exchange between two endpoints.)

V. After setting, click the **Set** button.



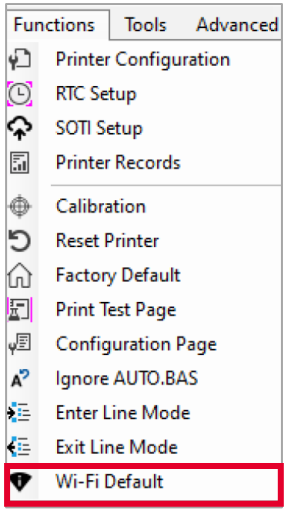
Note:

Before setting, the entered field will be shown in yellow for reminding.On DHCP, user can change the printer name by another model name in “Printer Name” field.User also can change the raw port in “Raw Port” field.

5. After clicking **Set** button, it'll pop-up the window tip as below shown.	
6. IP address will be shown in the “IP address” field and the Wi-Fi logo and IP address will be displayed on the LCD-supported models. **Note:** IP address should be shown within about 5~15 seconds after printer turn on. If not, please refer to steps below to initialize the printer Wi-Fi module settings then to setup it again.	
7. Remove the cable between the computer and the printer. **8.** Go to main page, click **Add Printer** to add the printer via **Network**. **9.** Select the printer and enter the setting page by double clicking the printer. **10.** Click the **Print Test Page** button to print the test page via Wi-Fi interface.	

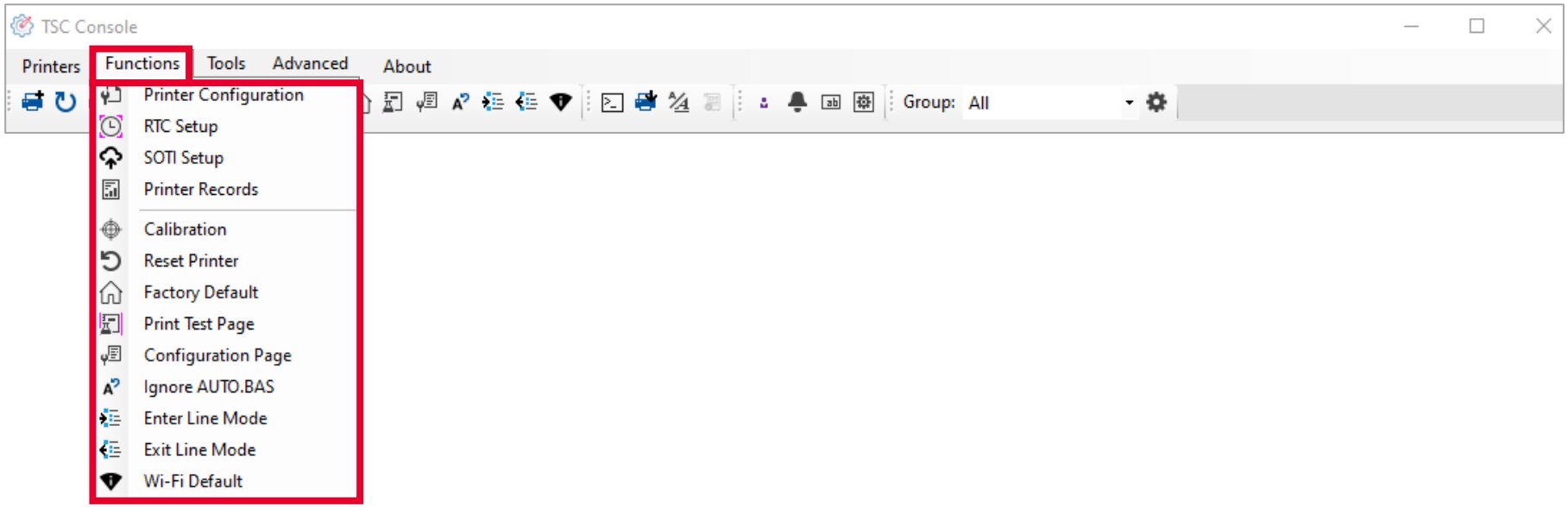
2.3.1 Initialize the Printer WiFi Setting

1. Return to the main page of TSC Console.
2. Click **Functions** to expand the page.
3. Click **Wi-Fi Default** to initialize the printer Wi-Fi module setting to factory default setting.



3. Functions

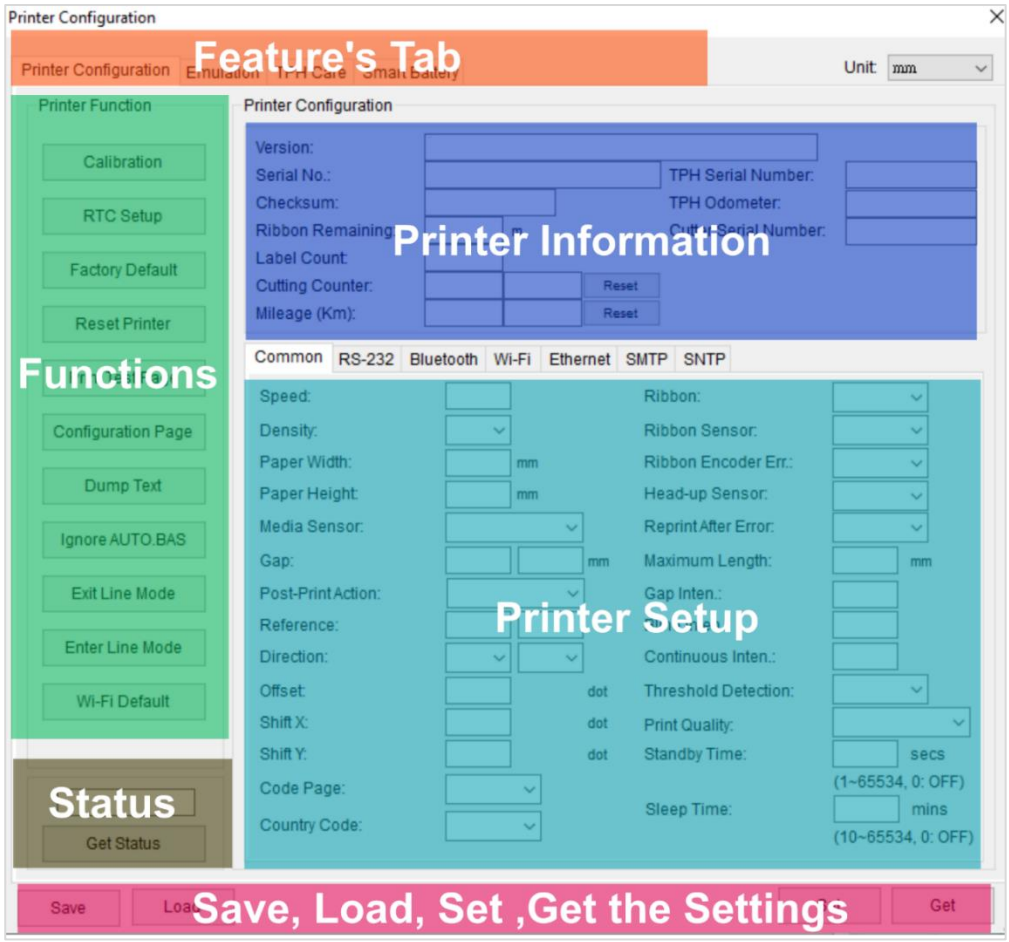
Functions shows the settings and functions for the printer, users can access to the page by following below picture's instruction or **double clicking** the established printer in **TSC Console**.



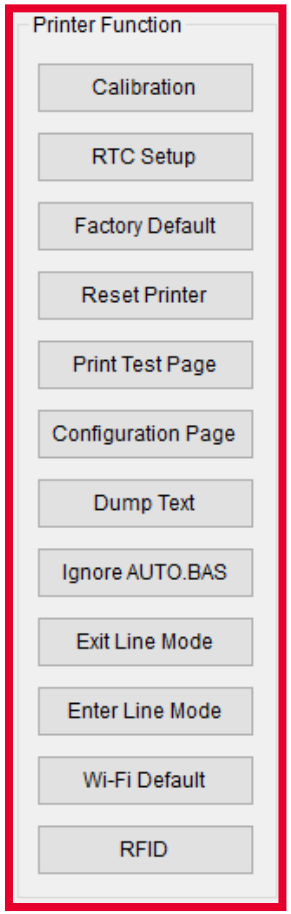
3.1 Printer Configuration

Printe Configuration contains most functions and setting to the printer, click **Function** on **TSC Console** main page, then click **Printer Configuration** to enter the page.

Printer Configuration Overview



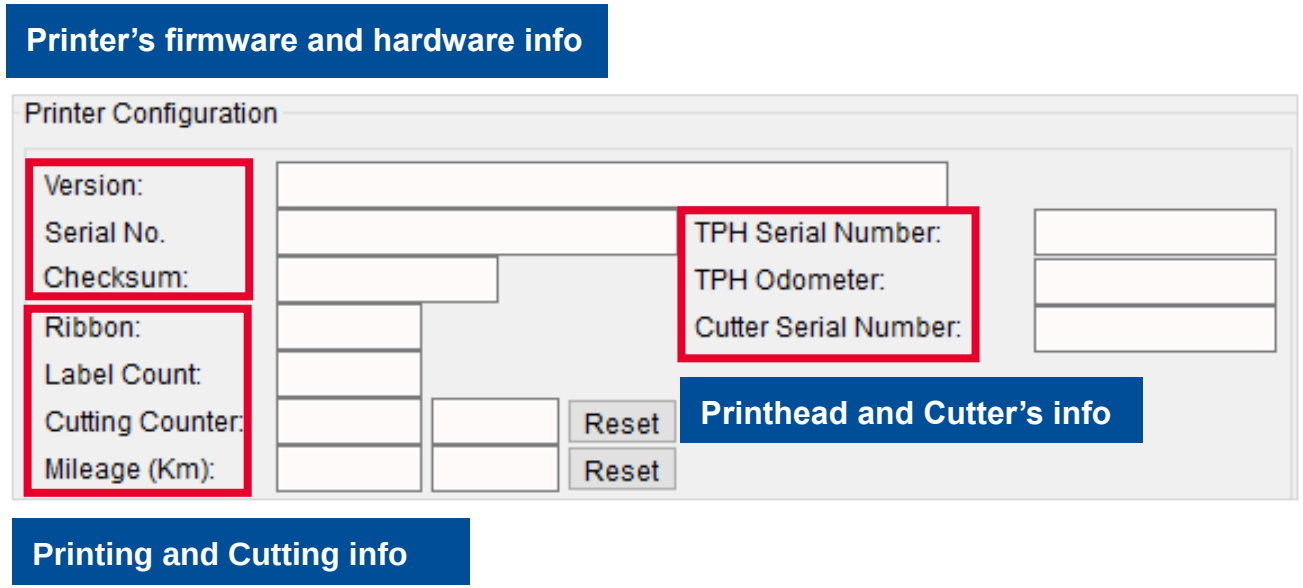
3.1.1 Printer Functions



Functions	Description
Calibrate Sensor	Detect media types and the size of the label
RTC Setup	Synchronize printer witn Real Time Clock on PC
Factory Default	Initialize the printer to default settings
Reset Printer	Reboot printer
Print Test Page	Print test page according to the specified label size and sensor type
Configuration Page	Print printer configurations
Dump Text	Activate the printer to dump mode
Ignore AUTO.BAS	Ignore AUTO.BAS file when printer boot up
Exit Line Mode	Exit the line mode to page mode
Enter Line Mode	Leave page mode and enter line mode
Reset WiFi	Restore the WiFi settings to defaults
RFID	Setup the RFID settings

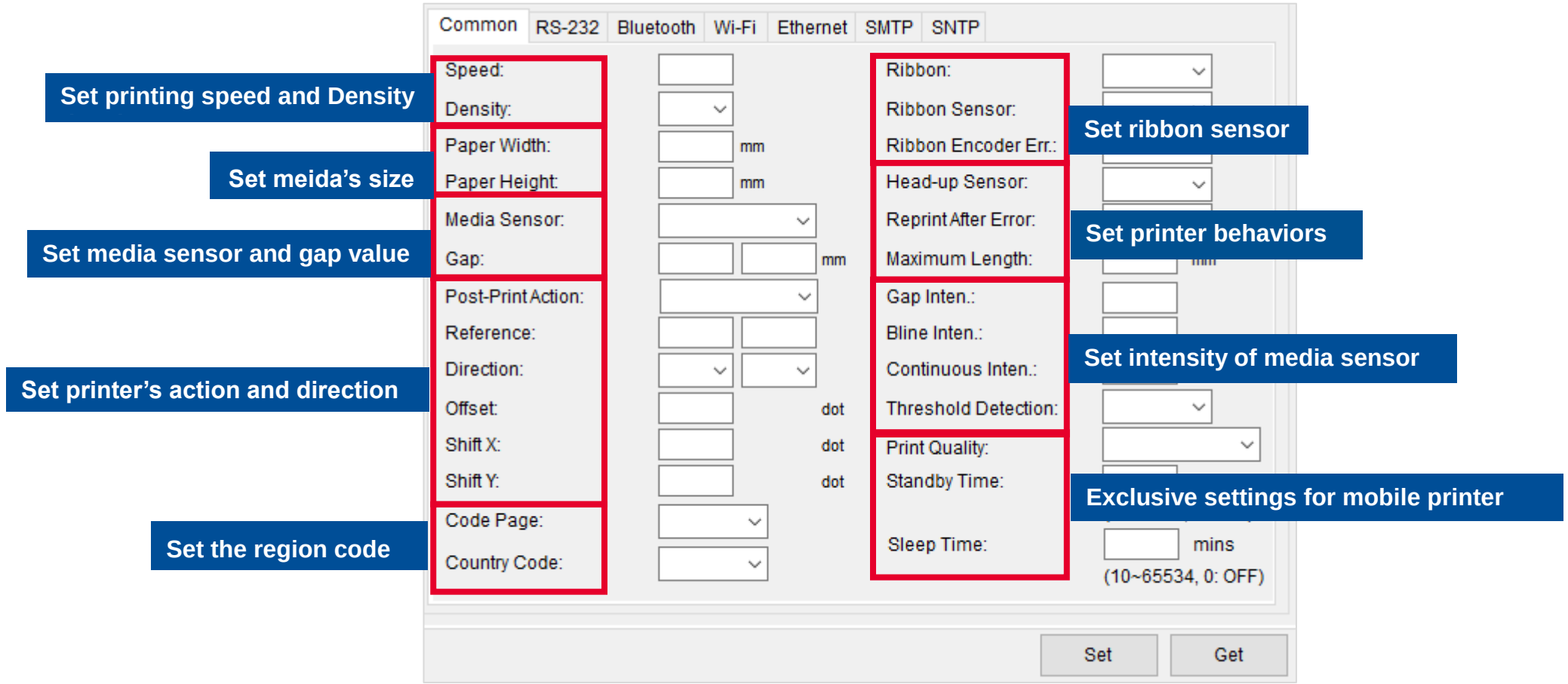
3.1.2 Printer Information

Printer Information area allows users to check up printer's information.



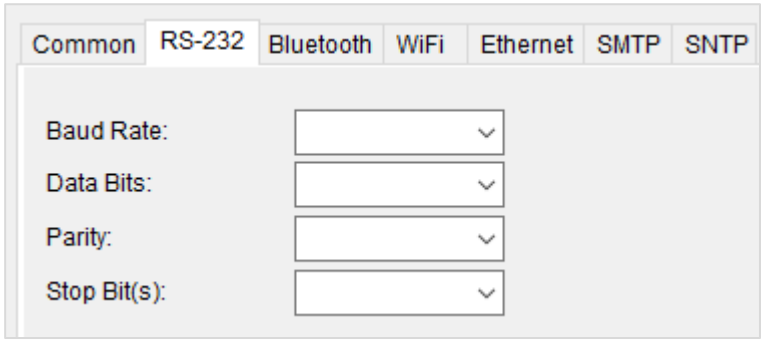
3.1.3 Printer Setup - Common

Common area provides the basic settings for the printers.



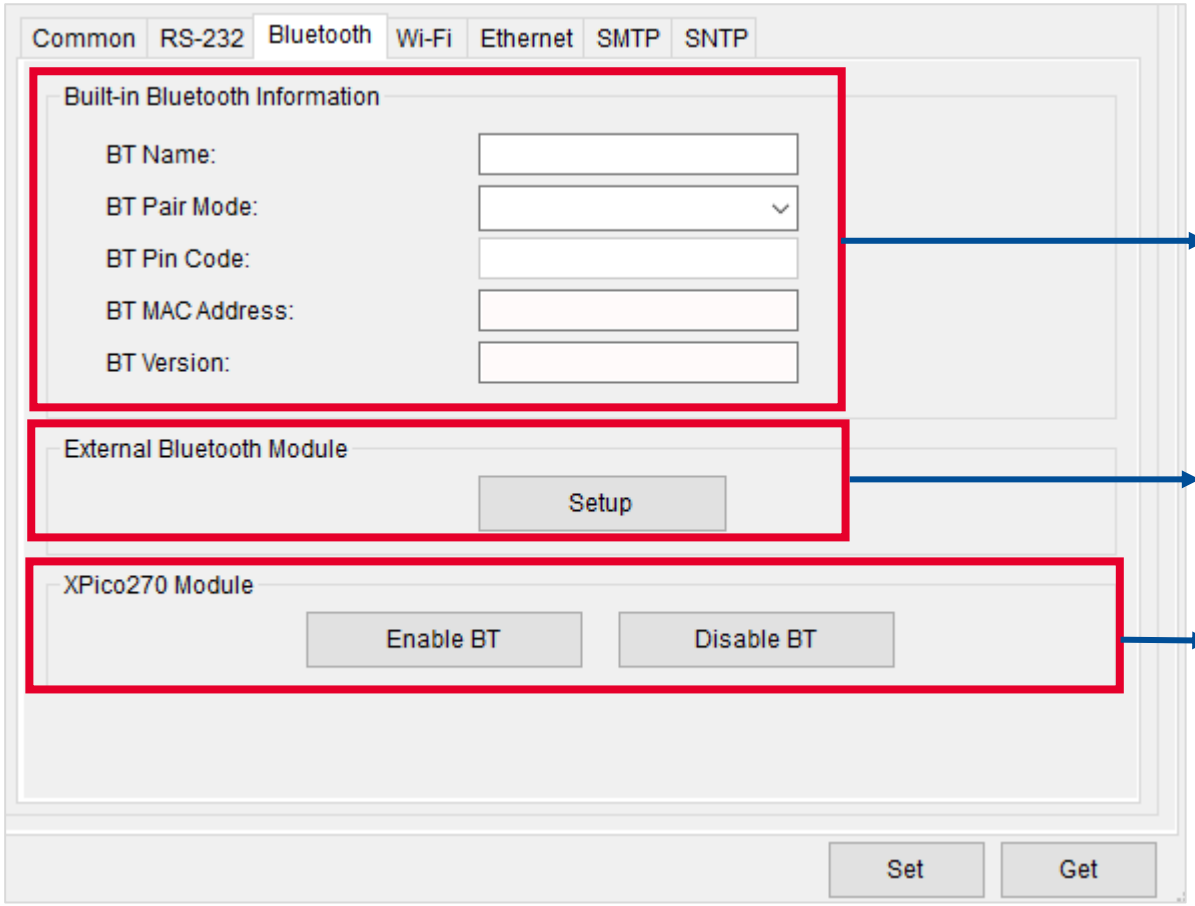
3.1.4 Printer Setup - RS232

RS232 area provides the settings to set up the RS-232 interface.



3.1.5 Printer Setup - Bluetooth

Bluetooth area provides users to check and set printers' Bluetooth settings.



Bluetooth infomation

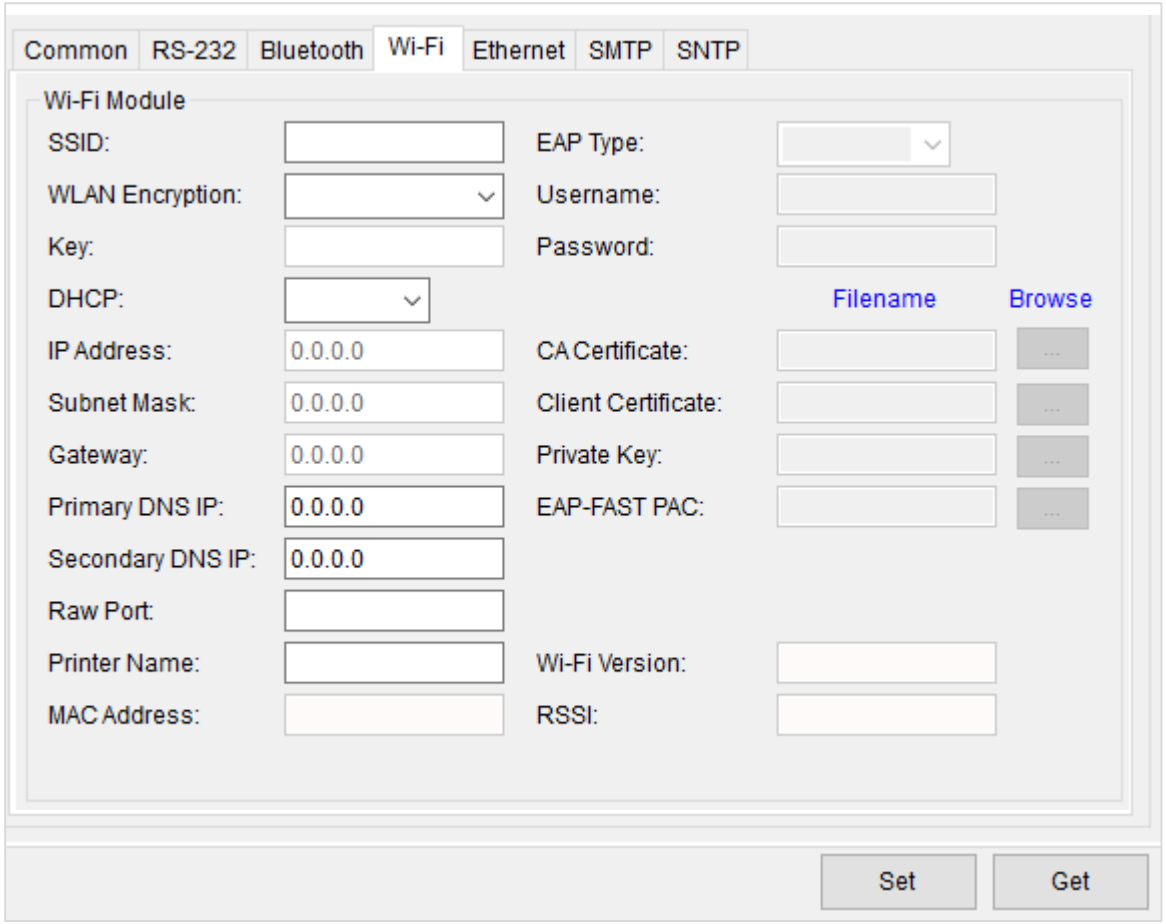
Setup for External Bluetooth Module

Enable/Disable the Bluetooth on Xpico WiFi+BT combo module

3.1.6 Printer Setup- WiFi

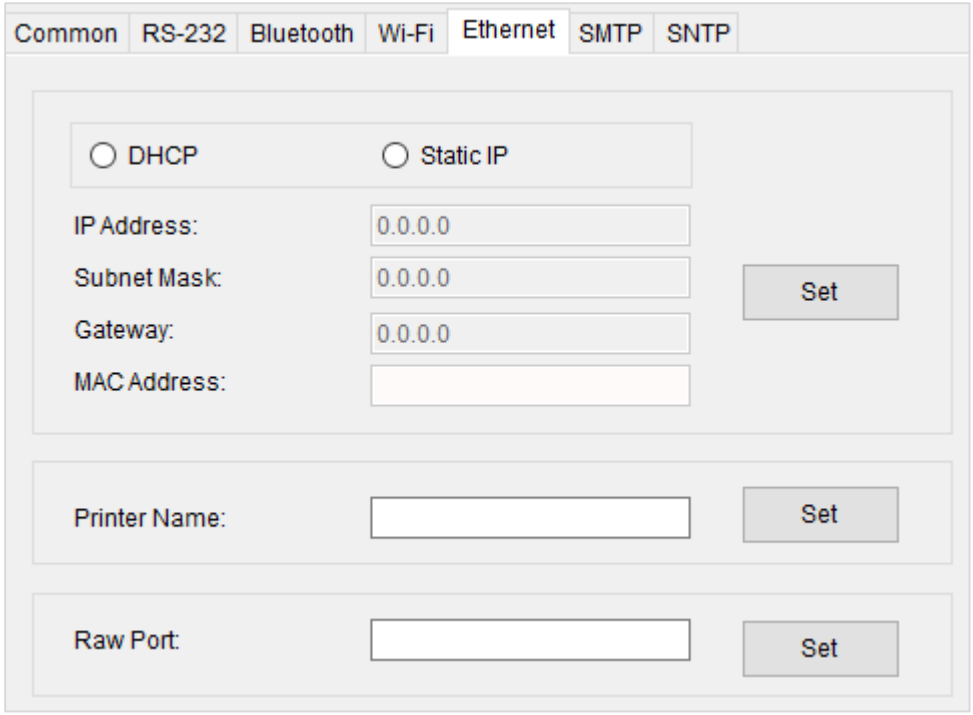
WiFi area is used to check & set printers' WiFi settings.

- For setting up the WiFi, please refer to chapter 2.3.



3.1.7 Printer Setup - Ethernet

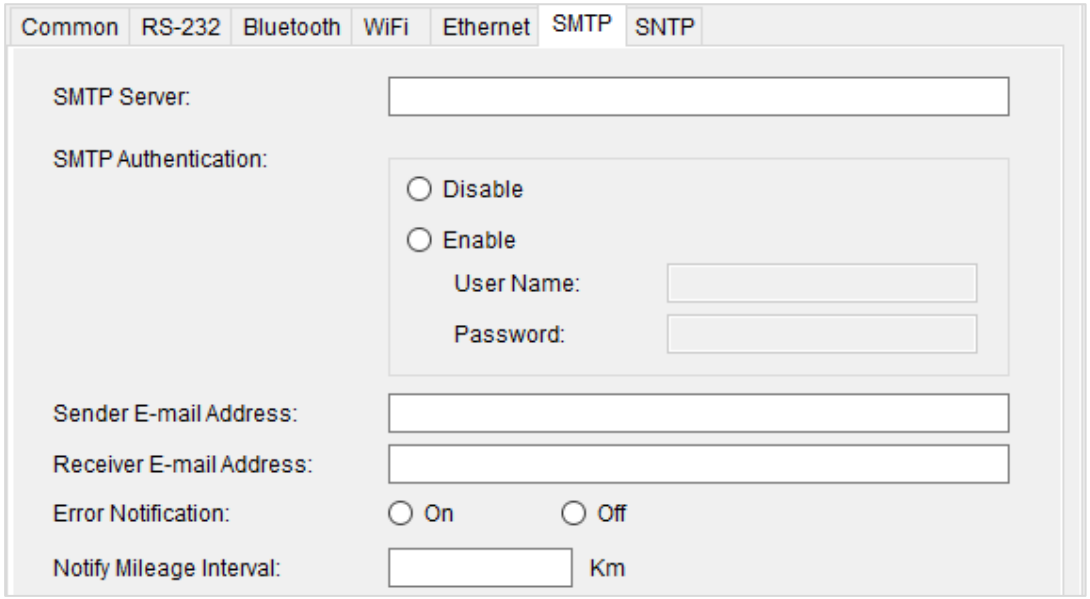
Ethernet area is used to check & set printers' Ethernet settings.



3.1.8 Printer Setup - SMTP (Simple Mail Transfer Protocol)

When **SMTP** setup is complete, printer will automatically send receiver a mail of notification in case the printer is in error state.

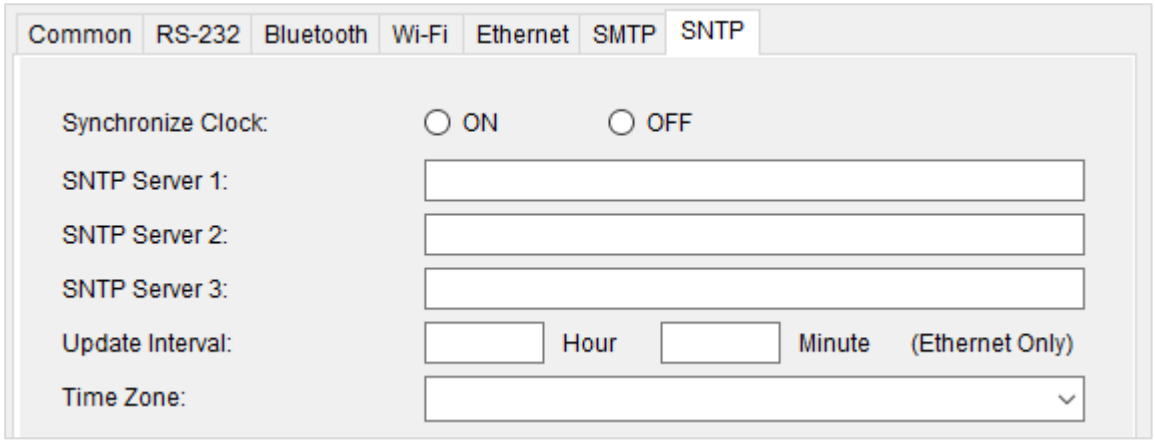
Note: Only support firmware A2.13 or above version (Ethernet / WiFi).



3.1.9 Printer Setup - SNTP (Simple Network Time Protocol)

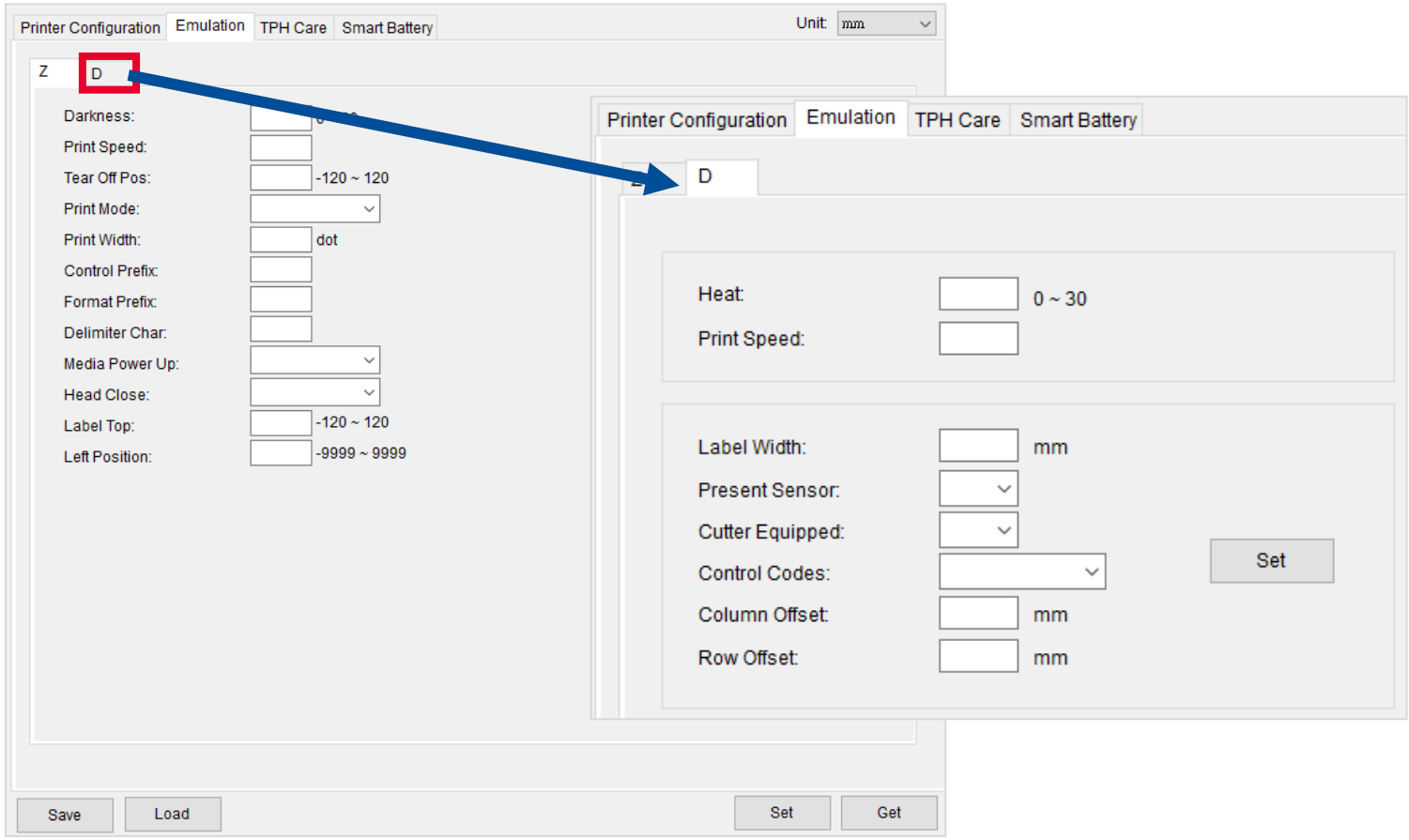
SNTP allows user sync printer system clock with ethernet timing.

Note: Only support firmware A2.13 or above version (Ethernet / WiFi).



3.1.10 Features Tab - Emulation

Emulation provides **ZPL** and **DPL** language setting on **TSC printers.**

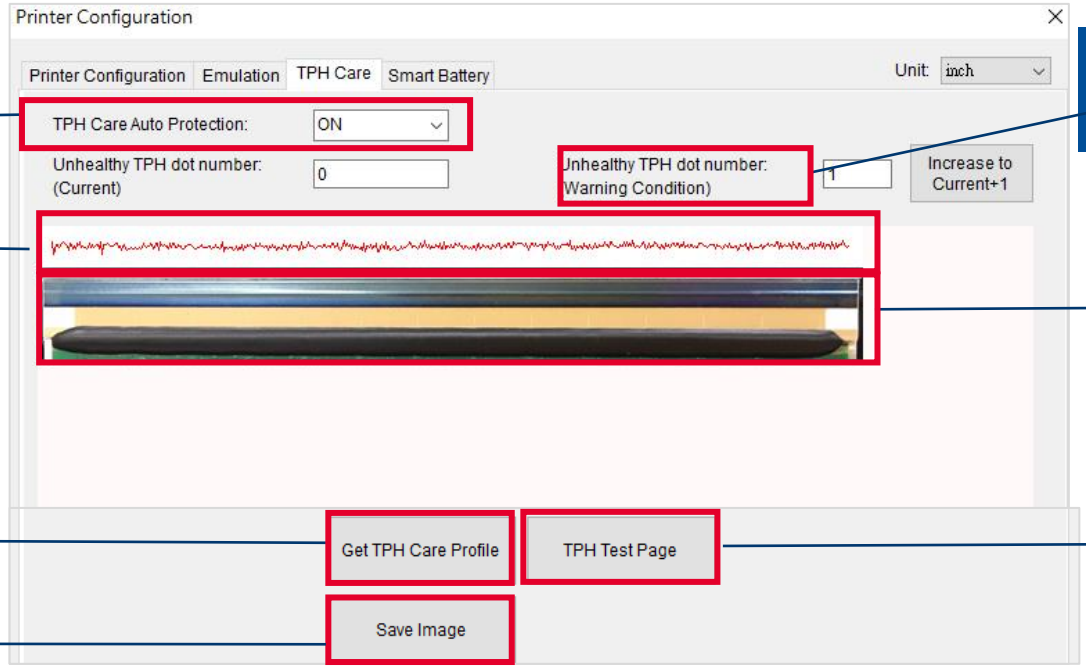


3.1.11 Features Tab - TPH Care

TPH Care provides users to check the condition of the print head and be able to set the dot failure threshold for indicating errors when the threshold is triggered.

This option is used to enable (ON)/ disable (OFF) the TPH care function.

This option is used to check the numbers of unhealthy TPH dot element.



This option is used to set the treshhold for unhealthy TPH dot number.

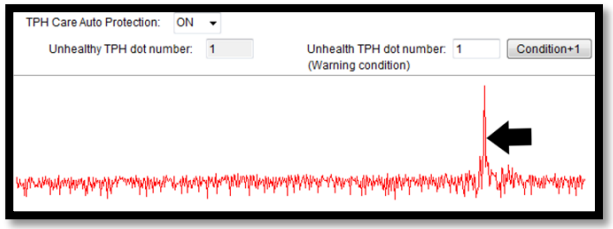
This image is used to check the relative position of the unhealthy TPH dot.

This option is used to detect, the unhealthy TPH dot.

This option is used to print a TPH test image to check the TPH printing result.

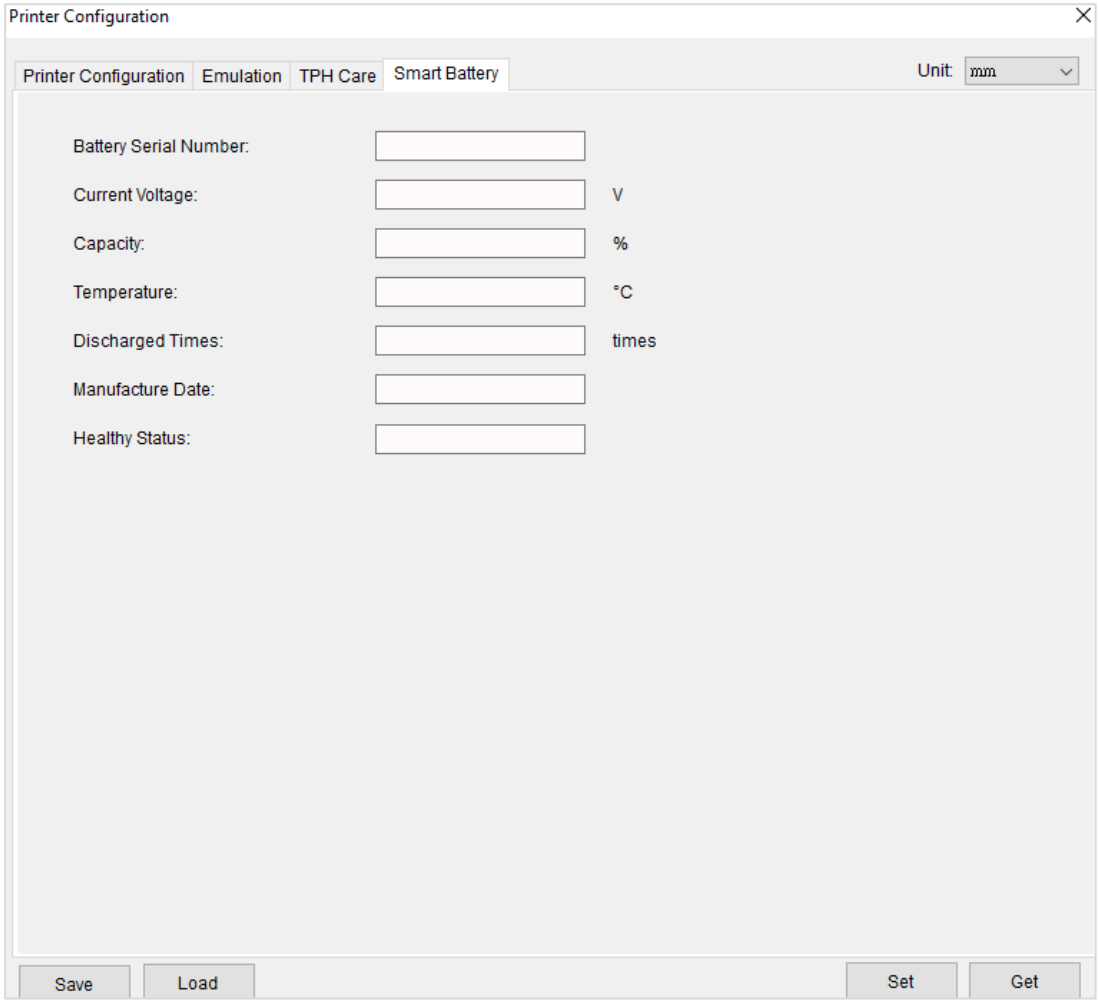
This option is used to save the image to .png file.

1. Enable the TPH Care function. (Note: The default is disabled/OFF.) Then click "Get TPH care profile" button and a diagram will show in the area above.
2. If the profile is flat, it means that the print head is good. Check "Unhealthy TPH dot number". If the result is zero (0), that means the print head is good.
3. Bad dots are presented as a spike in the profile. The arrow in below iprofile indicates the presence of potentially damaged dots and printer will stop printing.



3.1.12 Features Tab - Smart Battery

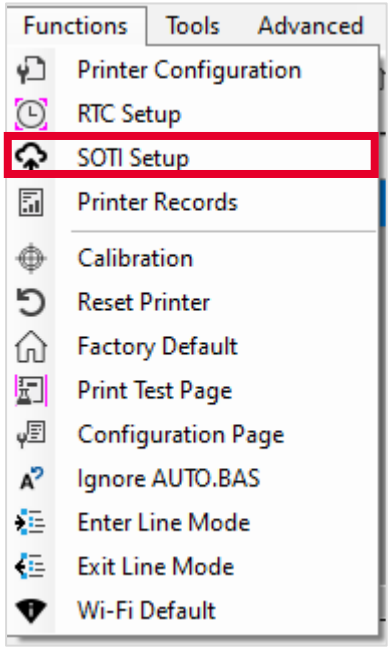
Smart Battery shows the battery information of the printer **(Mobile Printers only.)**

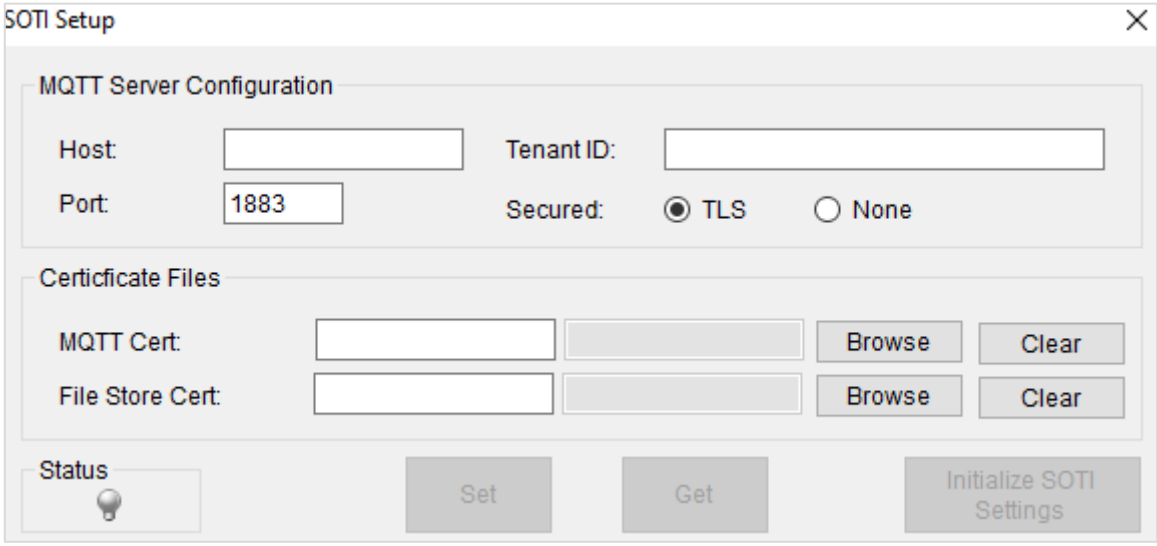


3.2 SOTI Setup

SOTI Setup could setup the required parameters for printers to work with **SOTI Connect**.

Note: Once the printer connect to the SOTI, the bulb of the status would turn into green color.



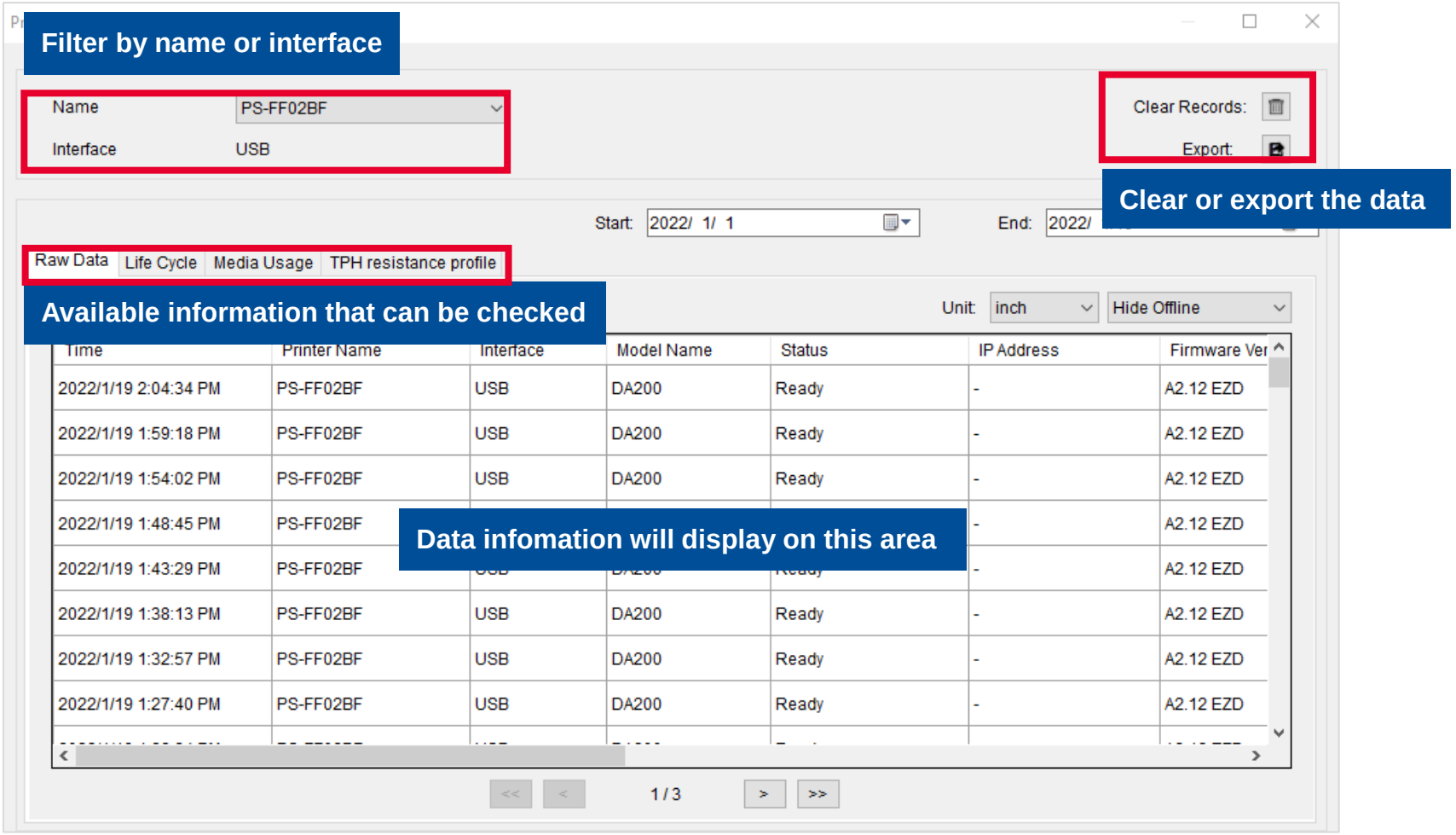


3.3 Printer Records

Printer Records could check out the printer information, including raw data, life cycle, media usage, and TPH resistence profile.

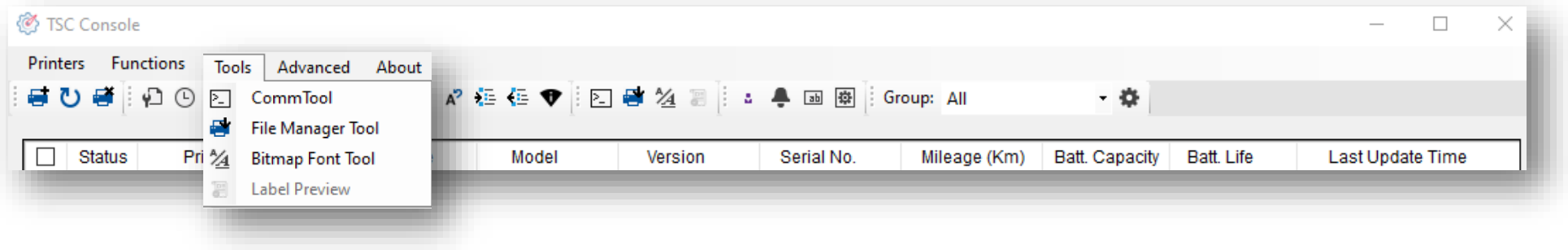
Follow below instruction to open the **Printer Records**:

- Go to TSC Console main page > select the printers > click **Prtiner Records** in the Tool menu or right click on printer to find the option to enter in the **Printer Records** page.



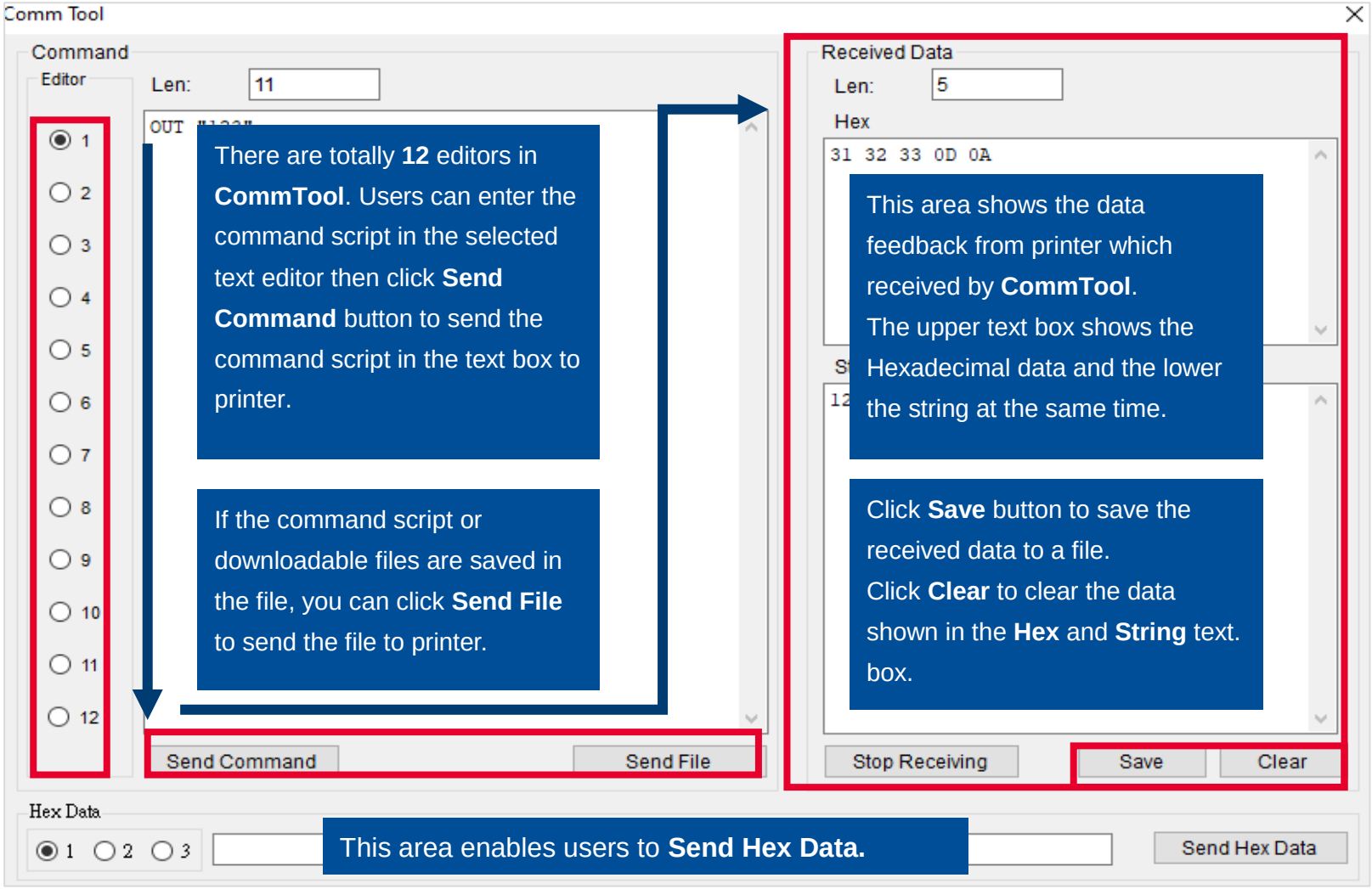
4. Tools

In this section, users are able to set up the printer by **Comm Tool**, or download and edit the files by **File Manager** and **Bitmap Font Manager.**



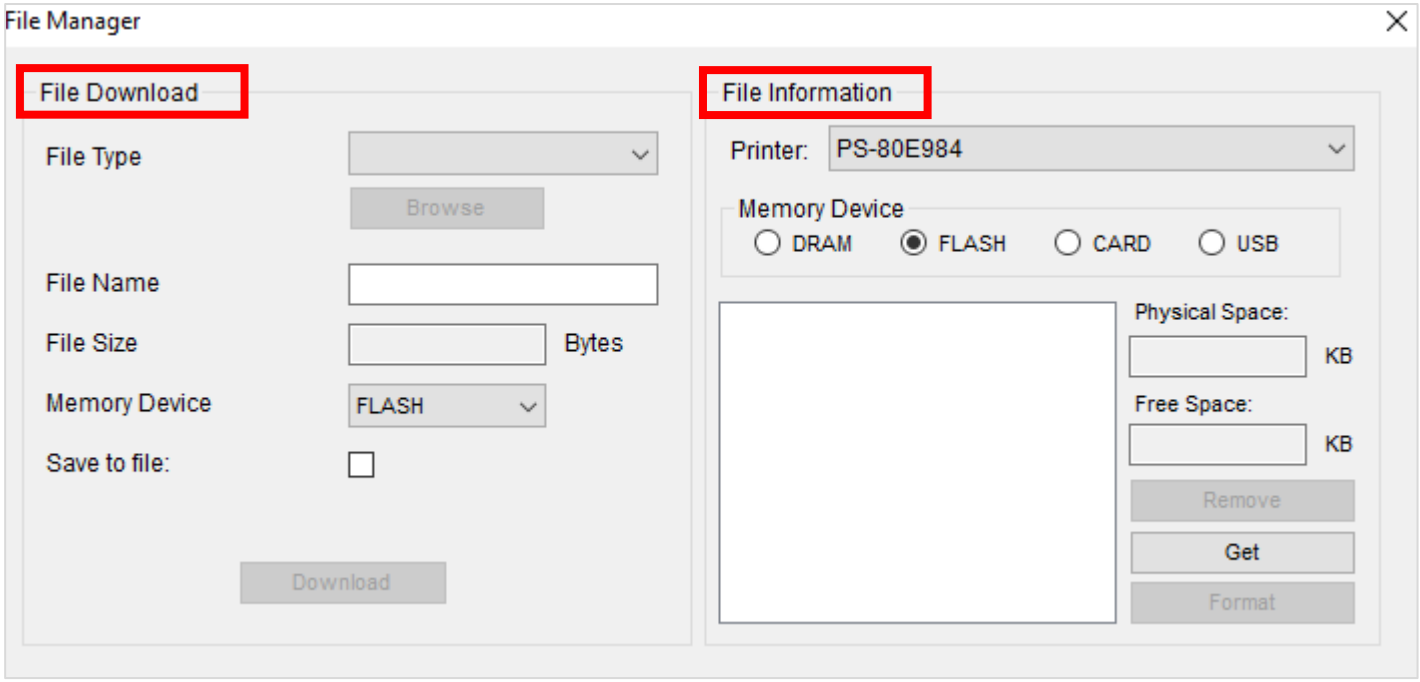
4.1 CommTool

CommTool supports programming languages and the hex data commands.



4.2 File Manager

File Manager helps users download files and delete files from printers' memory.

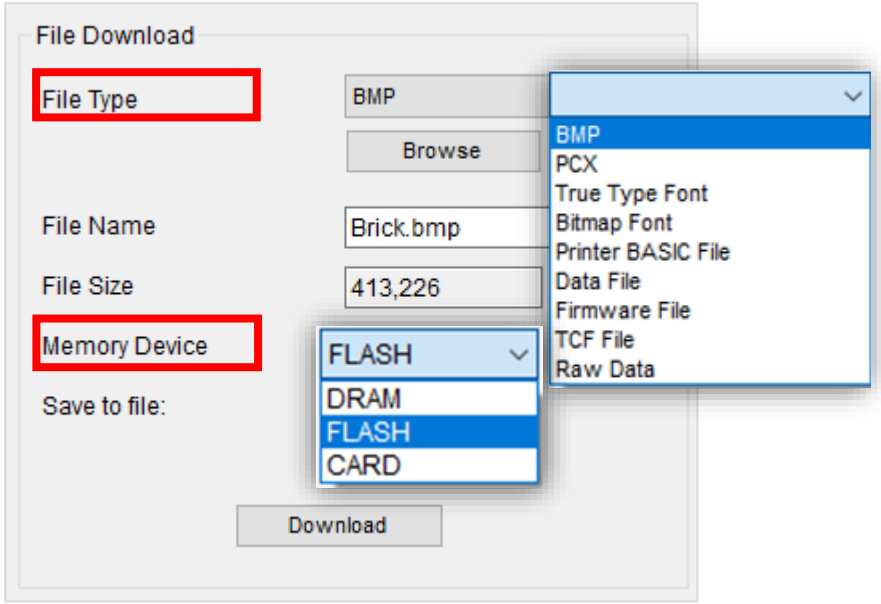


- **File Download** shows the interface for selecting file types, filename and download destination.
- **File Information** indicates downloaded files and available memory, deleting files in the selected memory device.

4.2.1 Download Files

Below steps will demonstrate how to download the files to the printer:

1. Choose the **File Type.**
2. Select **Browse** to find the file.
3. Specify the **Momory Device** to be stored with.
4. Import file to printer by clicking **Download.**



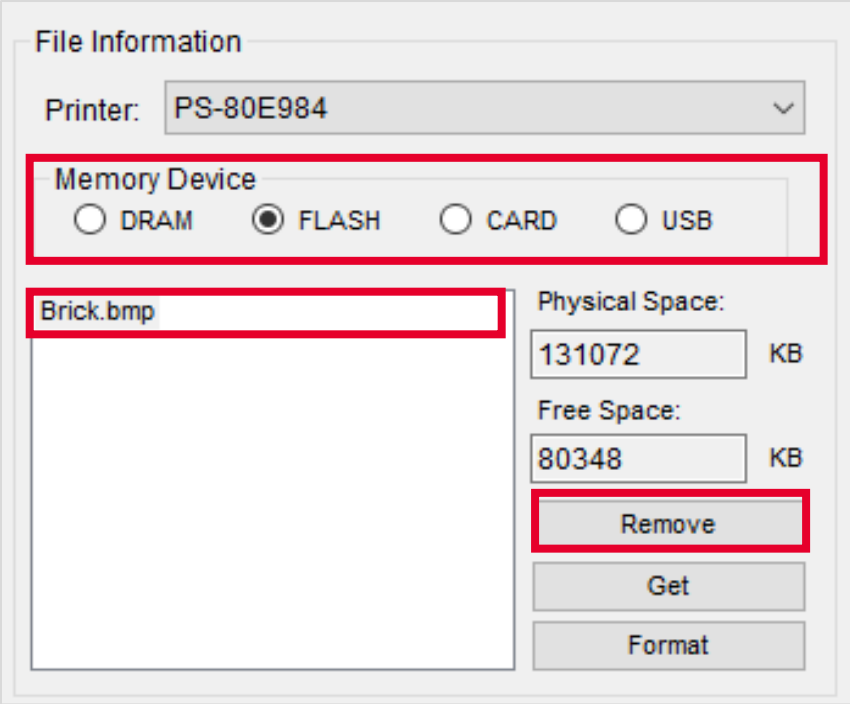
Note: BPM, PCX, True Type Font, Bitmap Font, Printer BASIC File, and Data File will automatically generate the header and save to specified memory device through **File Manager** before downloading.

- Enable **Save to File** could save the file to memory device as well.

4.2.2 Manage the Storage

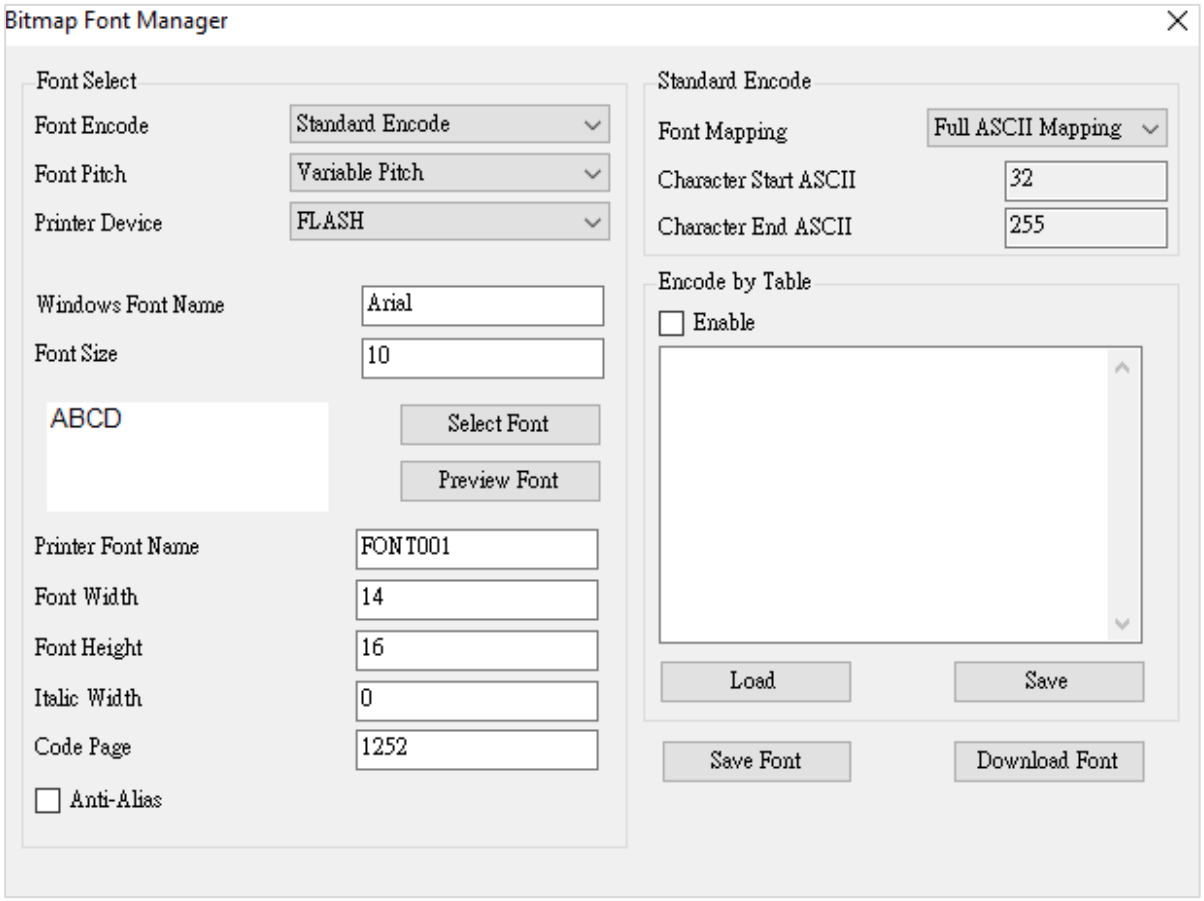
Below steps will demonstrate how to manage the storage from the printer:

1. Specify the **Memory Device** and click **Get.**
2. Delete the file by clicking **Remove.**
3. Click **Format** to clean the memory.



4.3 Bitmap Font Manager

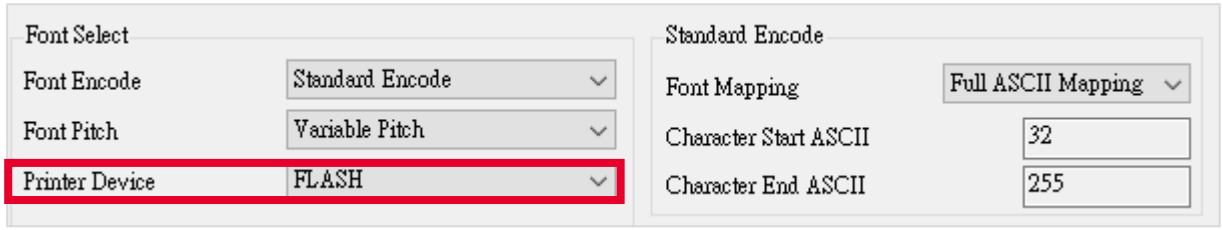
Bitmap Font Manager could convert the selected TTF font into printer format bitmap font. Both fixed pitch and variable pitch bitmap font are supported.



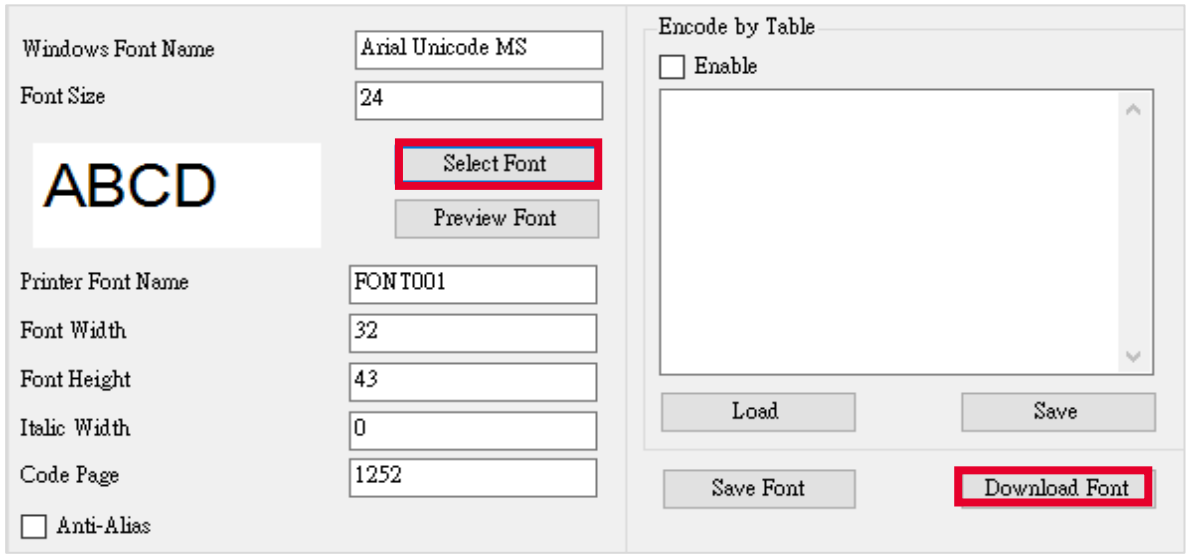
4.3.1 Download Fonts to Printer

Below steps will demonstrate how to download fonts to the printer:

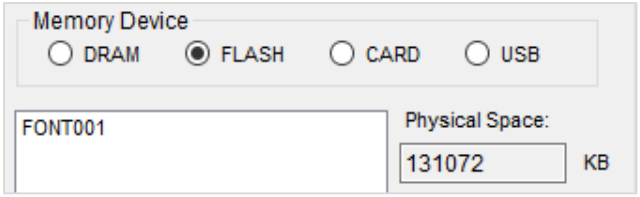
1. Set up font setting and **Printer Device**.



2. Select Font and click **Download Font** to finith settings.

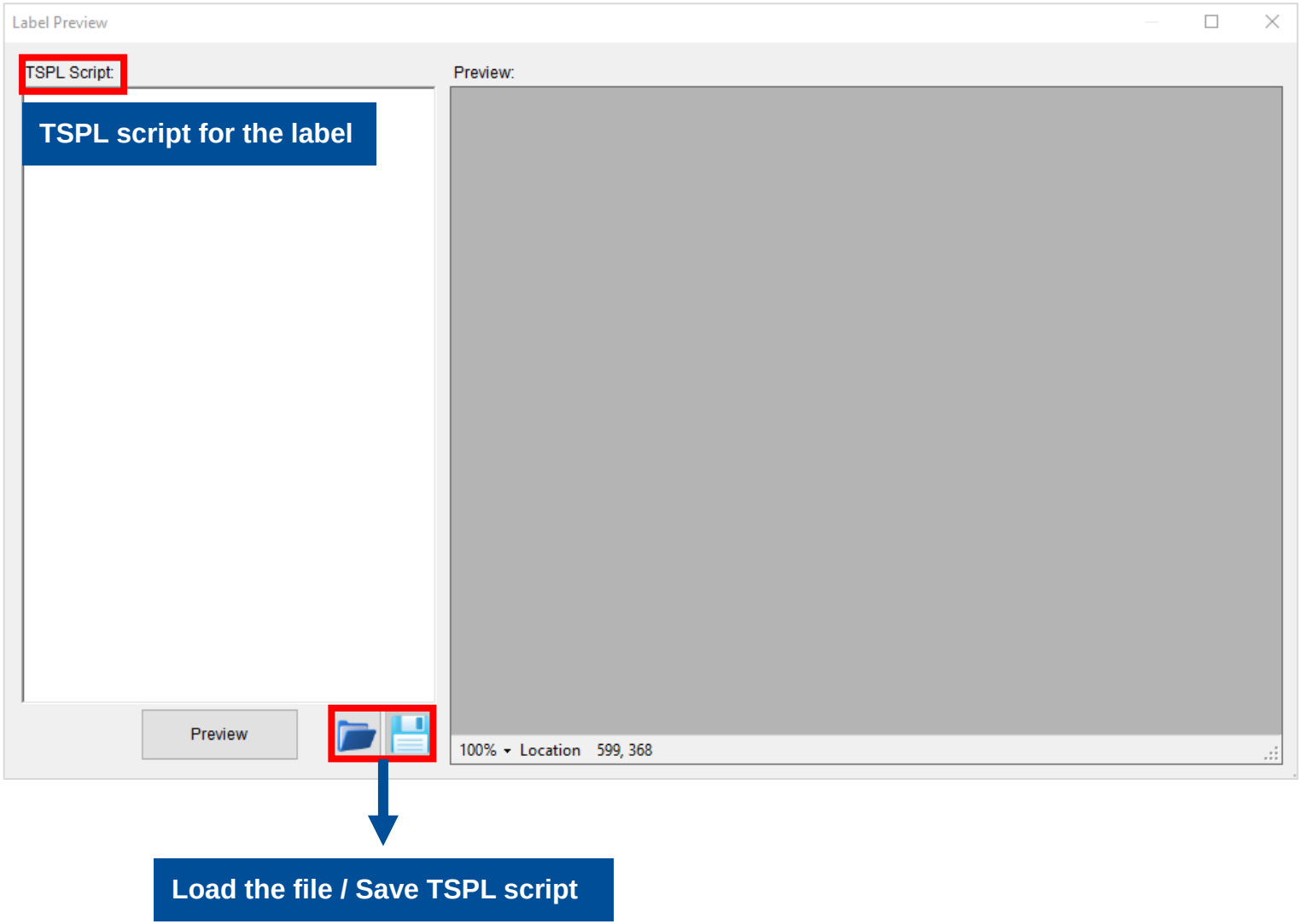


3. Check **File Manager.**



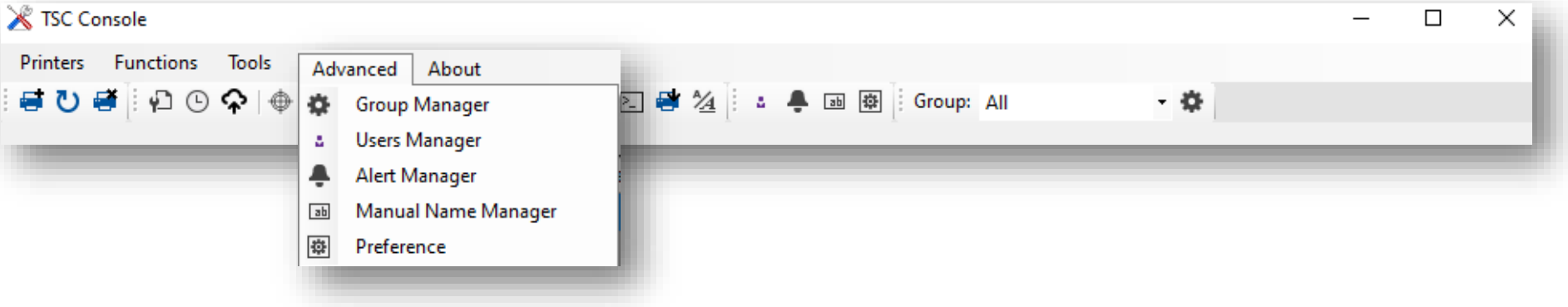
4.4 Label Preview

Label Previes enables user to preview the label by TSPL command or loading the file.



5. Advandced

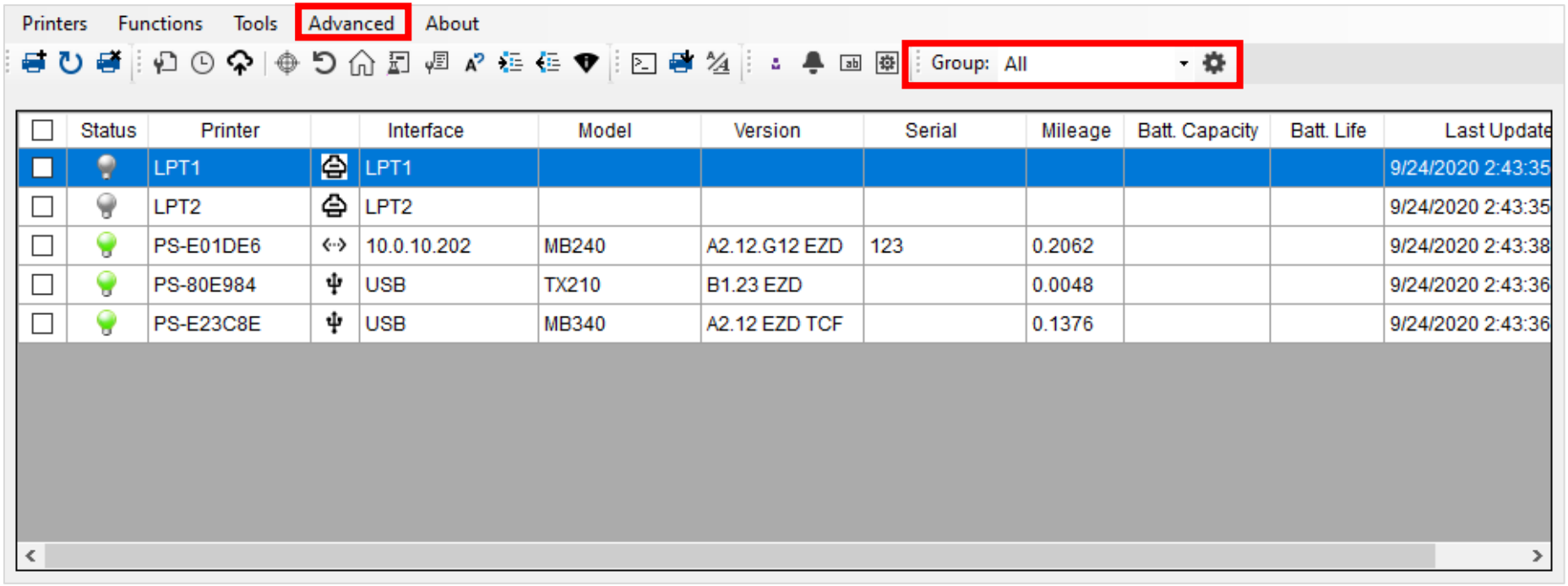
In **Advanced** section, users are able to set the group setting, set the passworrd and alert, and adjust preference through TSC console to the printer.



5.1 Group Manager

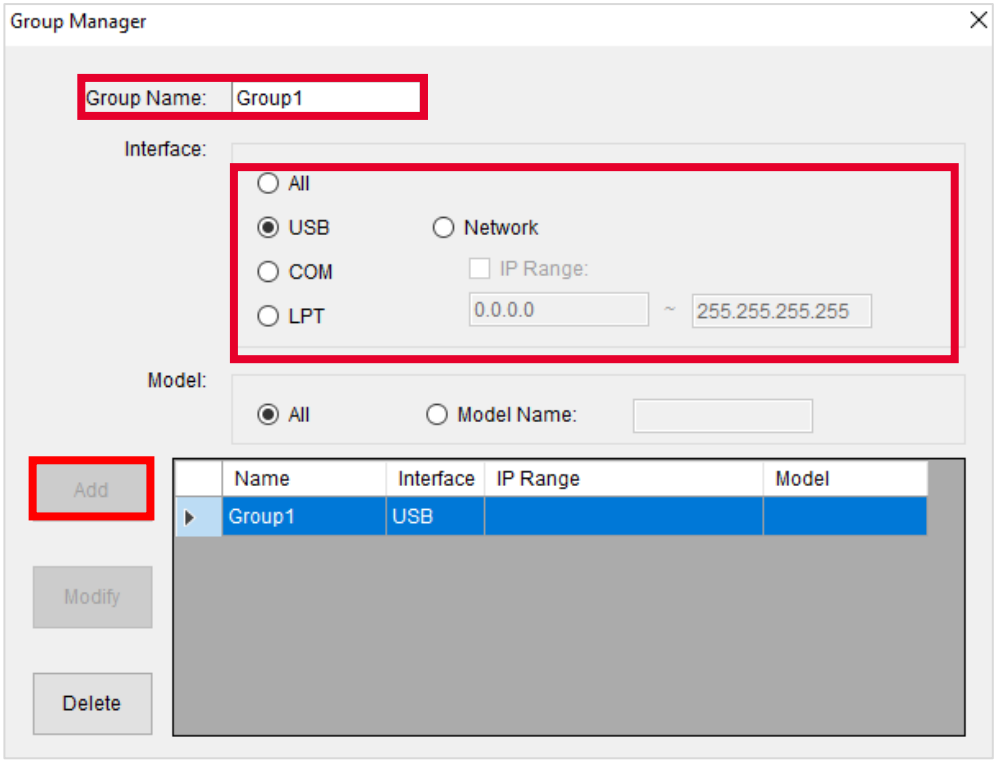
Use **Group Manager** to select and filter the certain interface to make it easier to setup printers.

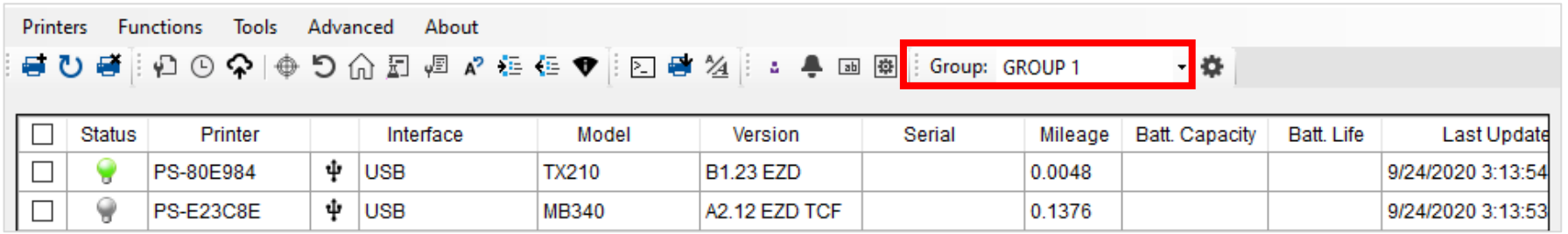
Click **Advanced** to access **Group Manager** or click on the **Quick Access Icon** as below.



5.1.1 Group the Certain Interface

1. Enter the **Group Manager.**
2. Type the **Group Name**.
3. Select the **Interface.**
4. Click **Add** to complete setting.
5. Back to interface and select **Group.**

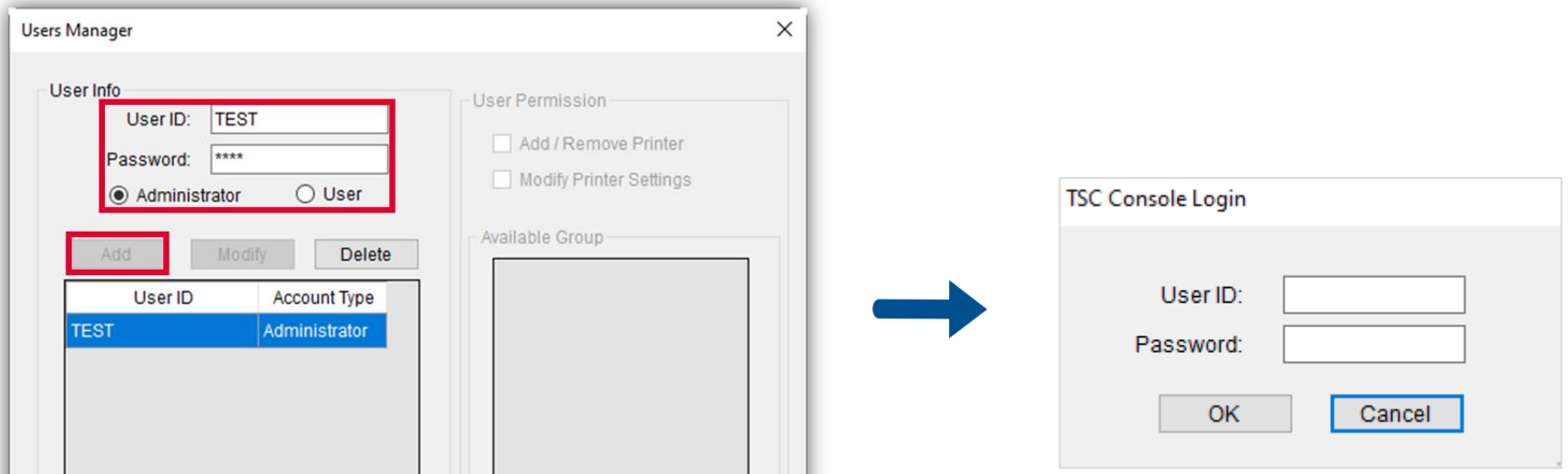




5.2 Users Manager

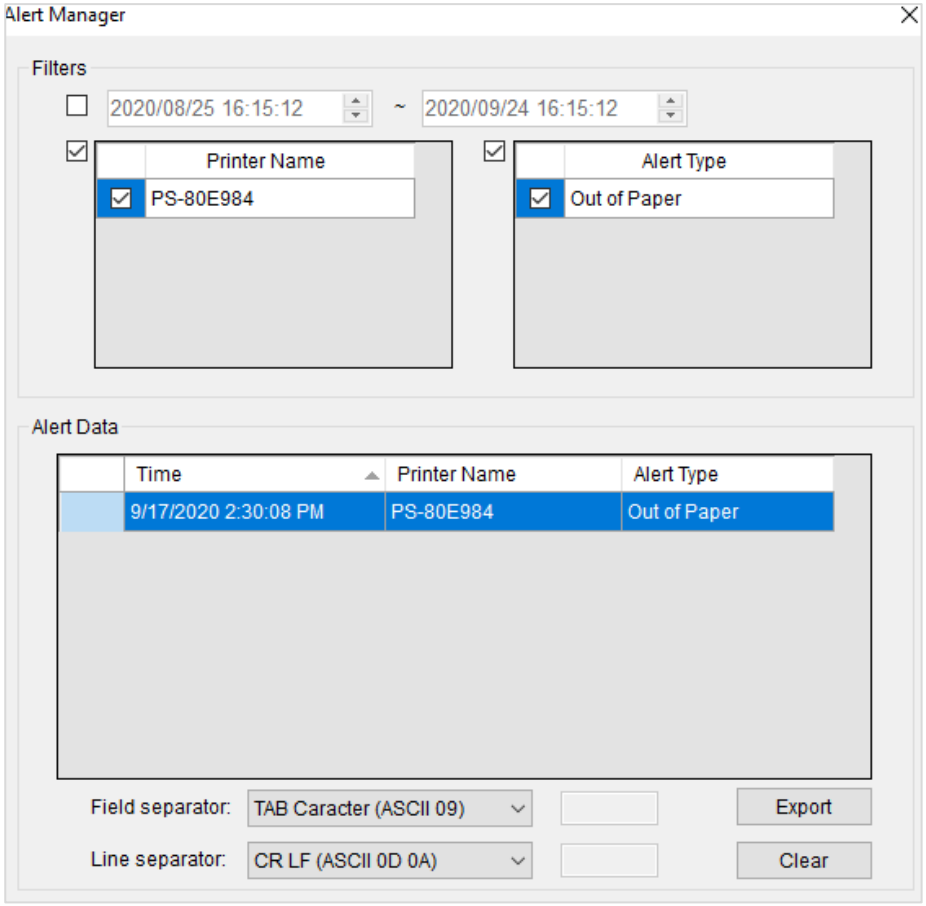
This function allows user to set the password on **TSC Console** for protecting printers' setting.

1. Enter the **User ID** and **Password.**
2. Click **Add** to complete setup and **TSC Console** will restart.



5.3 Alert Manager

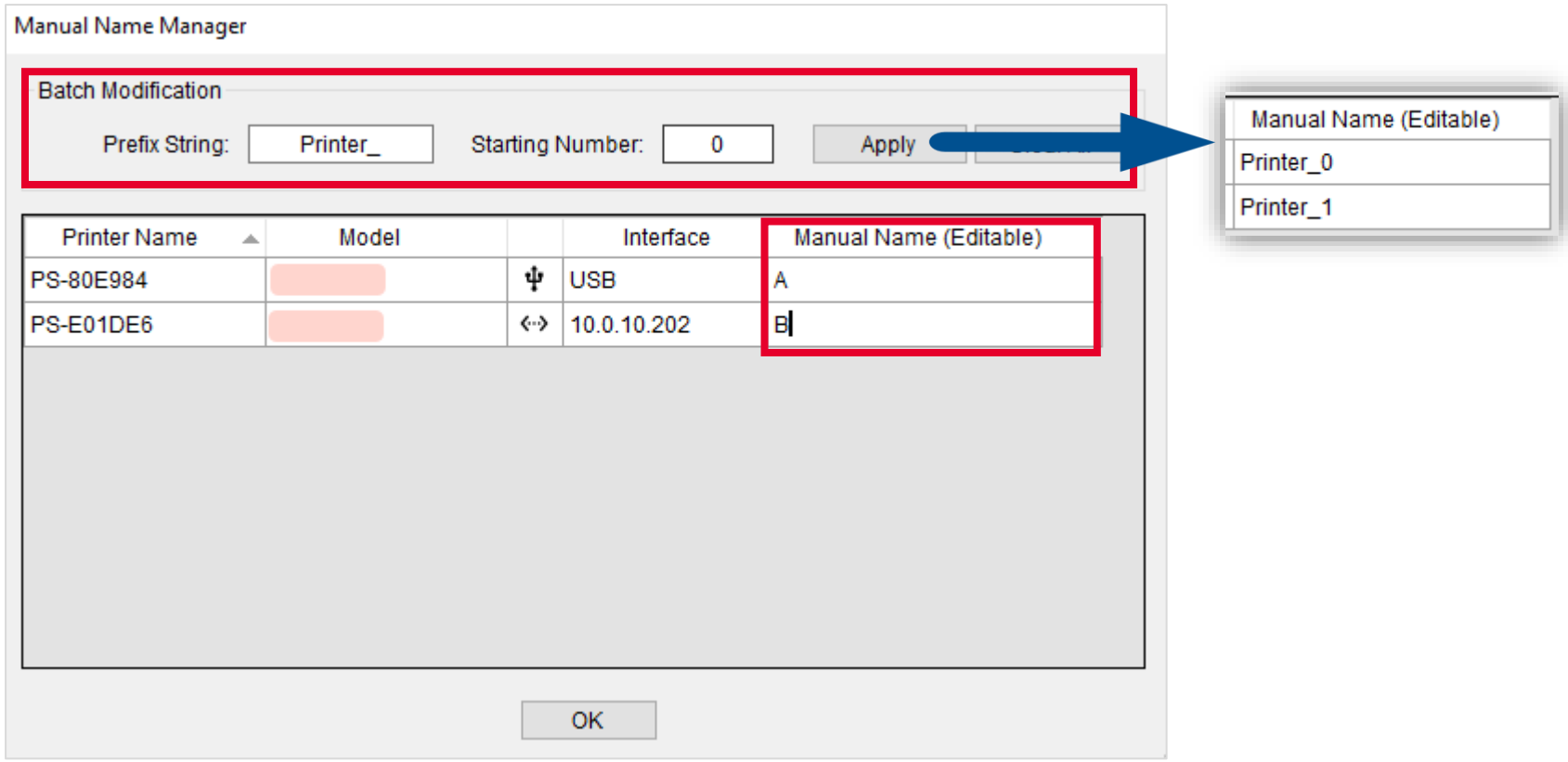
Alert Manager provide the records of printers' errors and status, making user understand printer's condition in certain period.



5.4 Manual Name Manager

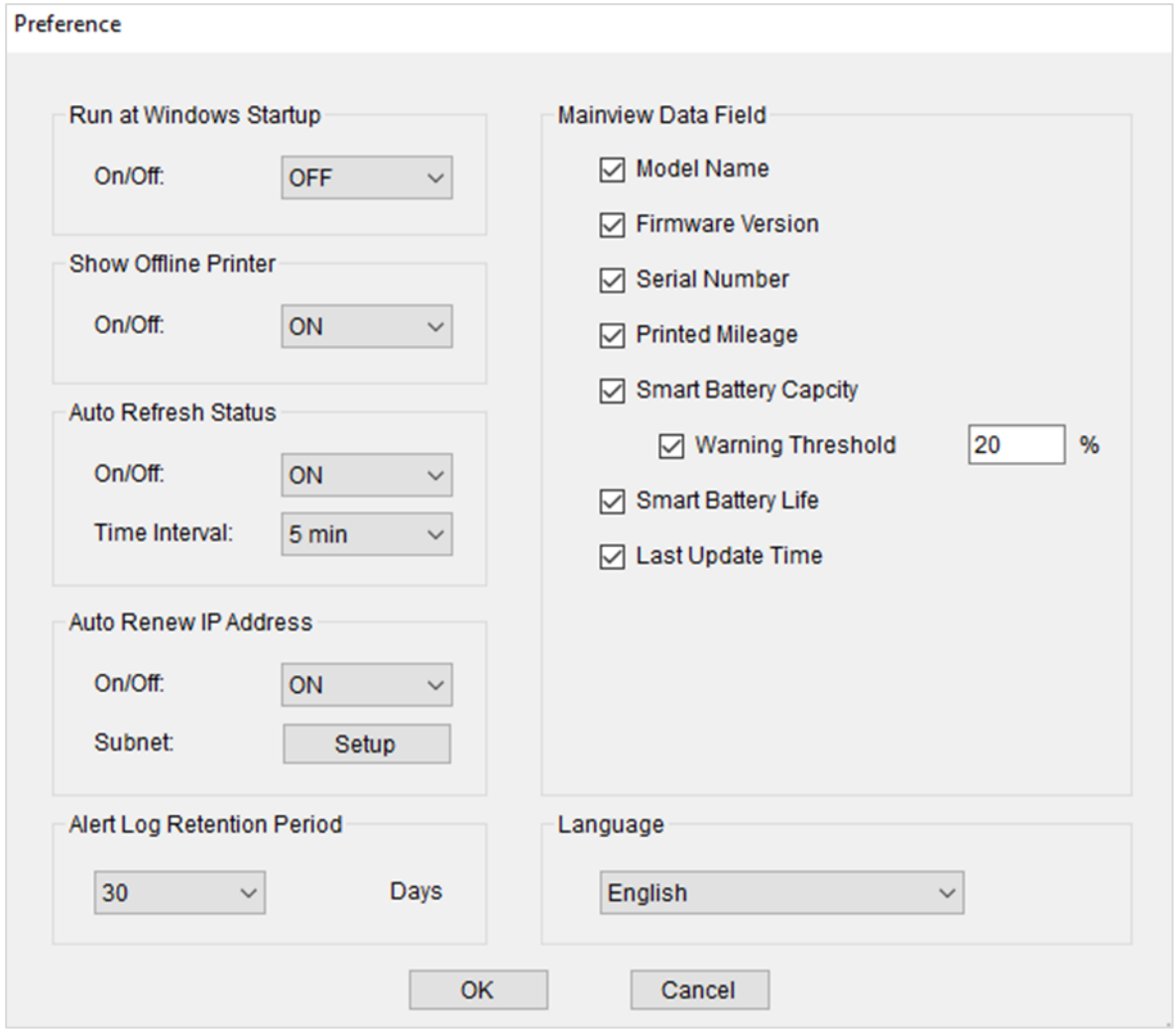
Manual Name Manager provides the function which could help users modify printers' name making it more recognizable.

- Edit the munual name by using **Batch Modification** or **double click** the **Manual Name Column**



5.5 Preference

Preference provide users functions to adjust system settings and languages.



6. Revise History

Date	Content	Editor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