



# TSC Console

## User Manual

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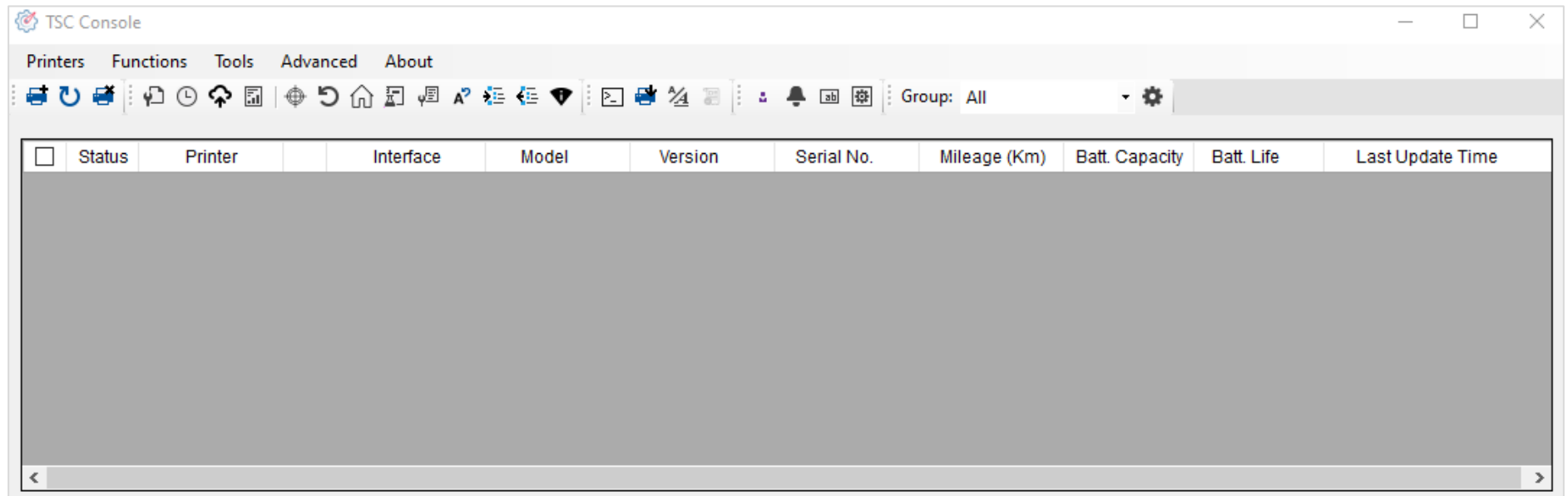
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# 1. Getting Started

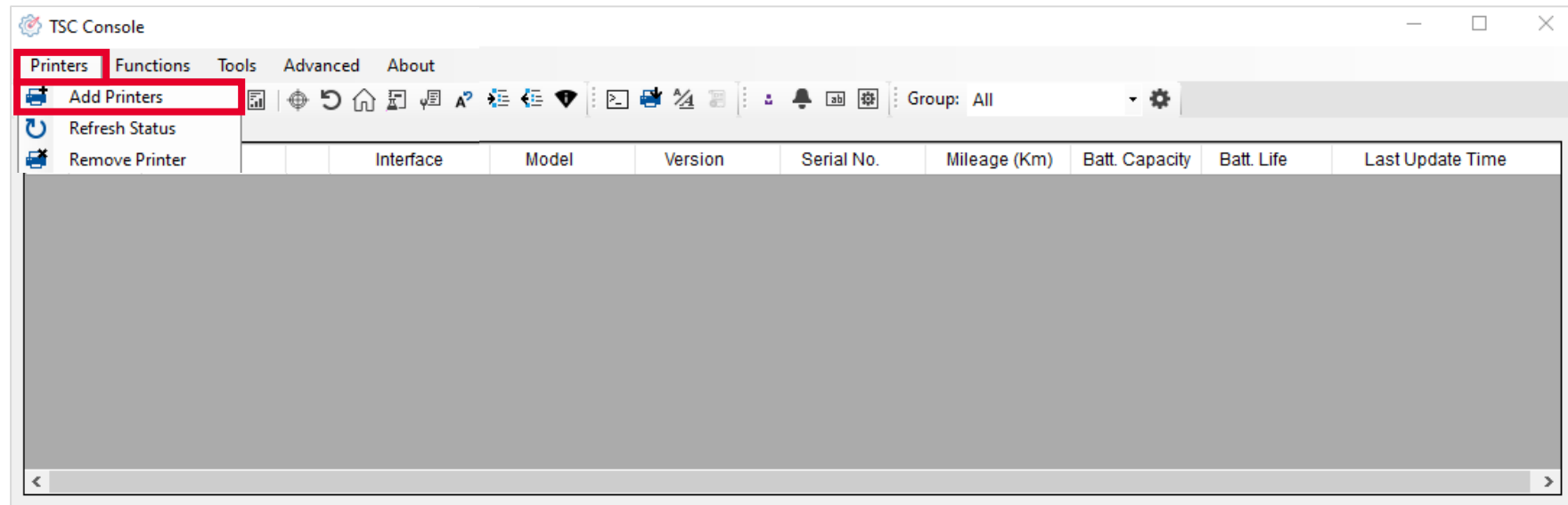
1. Unzip the **TSC Console** file.
2. **Double Click** to enter **TSC Console** interface.



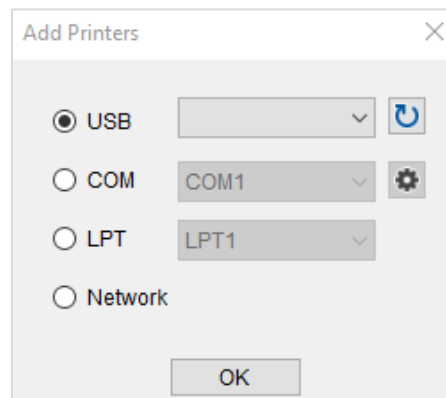
## 2. Interface Setup

### 2.1 USB

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



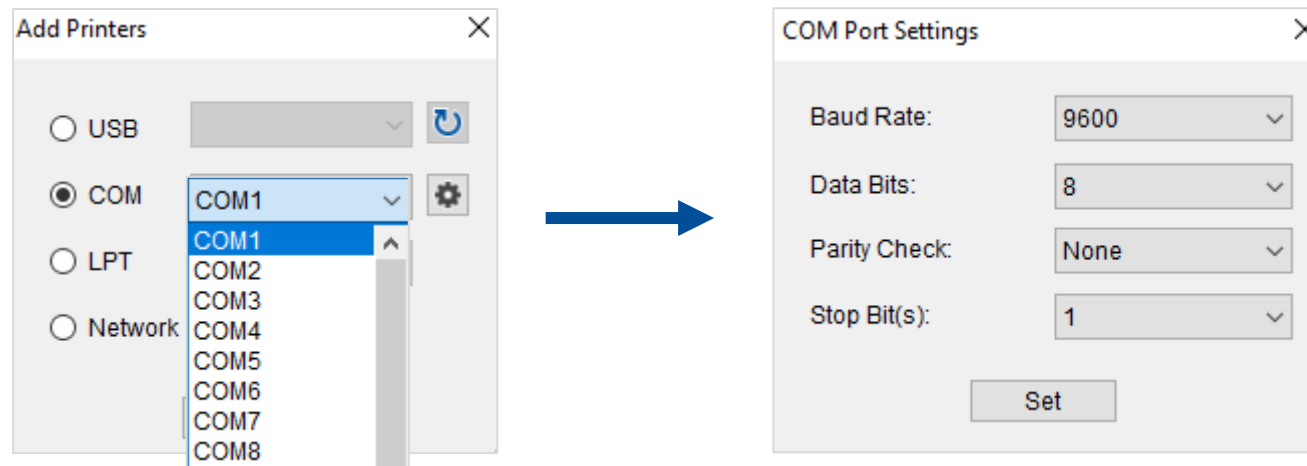
2. Select **USB** and click **OK** to find the device.



## 2.2 Com Port (RS232 and Bluetooth)

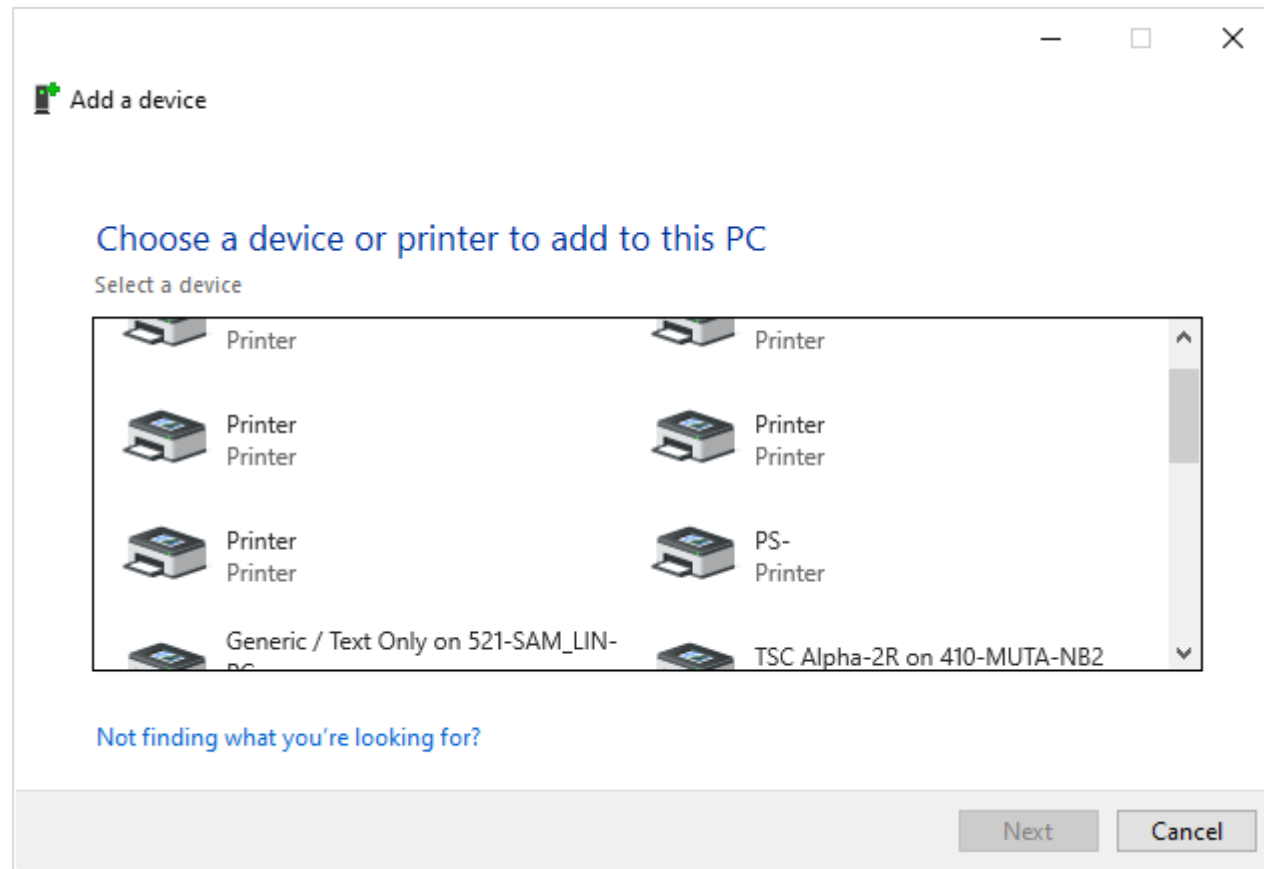
### RS232:

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

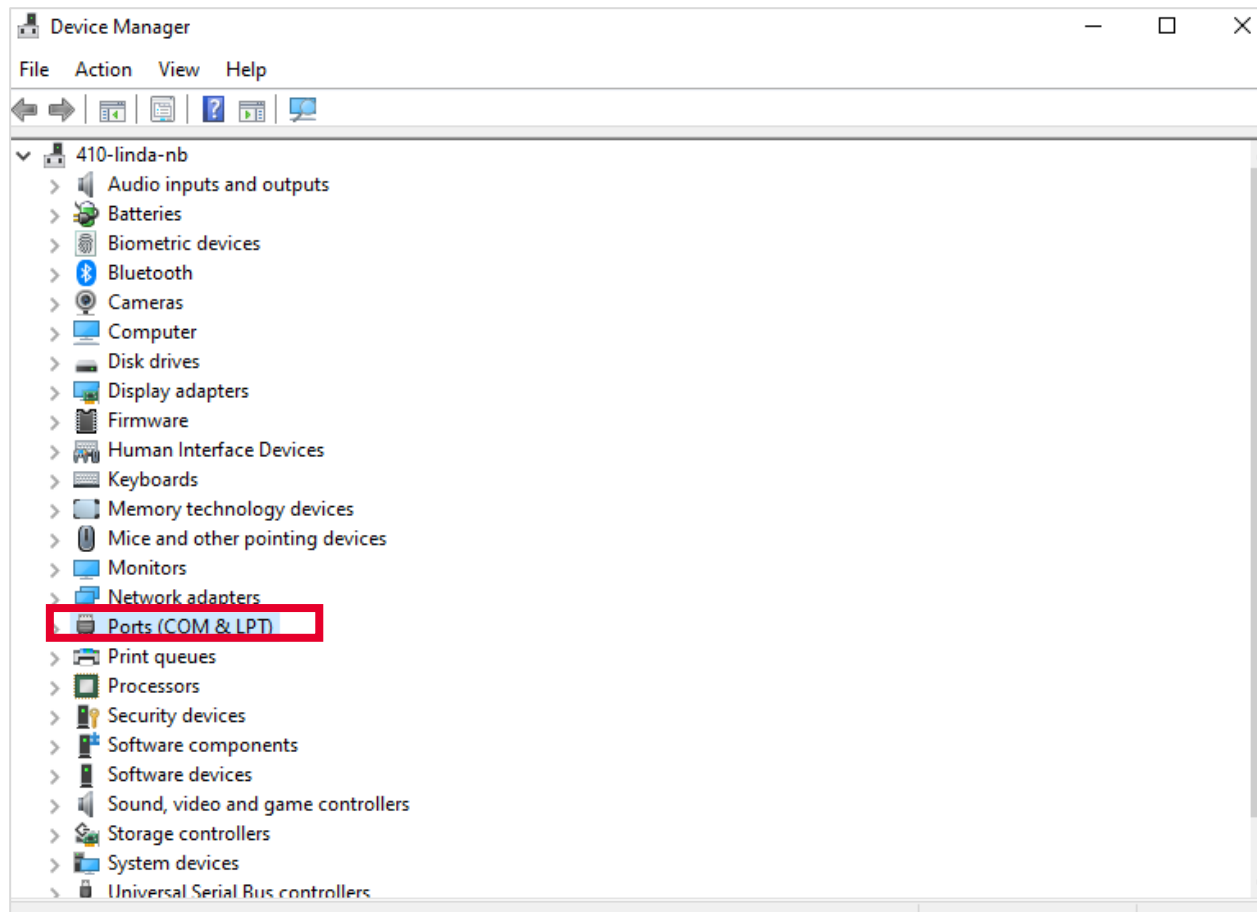


## Bluetooth:

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



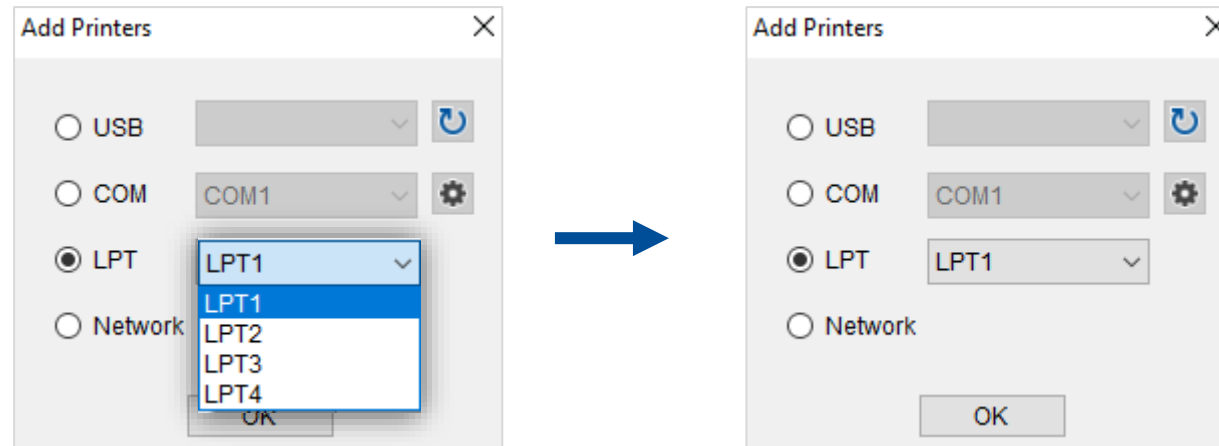
2. [Control Panel] → [Hardware and Sound] → [Devices and Printers] → [Device Manager] (Check COM Port)



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**.

Printer Configuration

Printer Configuration Emulation TPH Care Smart Battery Unit: inch

Printer Function

Calibration

RTC Setup

Factory Default

Reset Printer

Print Test Page

Configuration Page

Dump Text

Ignore AUTO.BAS

Exit Line Mode

Enter Line Mode

Wi-Fi Default

RFID

Get Status

Printer Configuration

Version: [REDACTED]

Serial No.: [REDACTED] TPH Serial Number: N/A

Checksum: 09B74B94 TPH Odometer: N/A

Ribbon Remaining: [REDACTED] m Cutter Serial Number: N/A

Label Count: 1624808

Cutting Counter: 0 0 Reset

Mileage (Km): 301.9477 301.9477 Reset

Common RS-232 Bluetooth Wi-Fi Ethernet SMTP SNTP

Speed: 2

Density: 10

Paper Width: 4.00 inch

Paper Height: 2.51 inch

Media Sensor: GAP

Gap: 0.12 0.00 inch

Post-Print Action: TEAR

Reference: 0 0

Direction: 0 0

Offset: 0 dot

Shift X: 0 dot

Shift Y: 0 dot

Code Page: 850

Country Code: 001

Ribbon: OFF

Ribbon Sensor: ON

Ribbon Encoder Err.: ON

Head-up Sensor: ON

Reprint After Error: ON

Maximum Length: 10.00 inch

Gap Inten.: 6

Blint Inten.: 2

Continuous Inten.: 4

Threshold Detection: AUTO

Print Quality: [REDACTED]

Standby Time: [REDACTED] secs (1~65534, 0: OFF)

Sleep Time: [REDACTED] mins (10~65534, 0: OFF)

Save Load Set Get

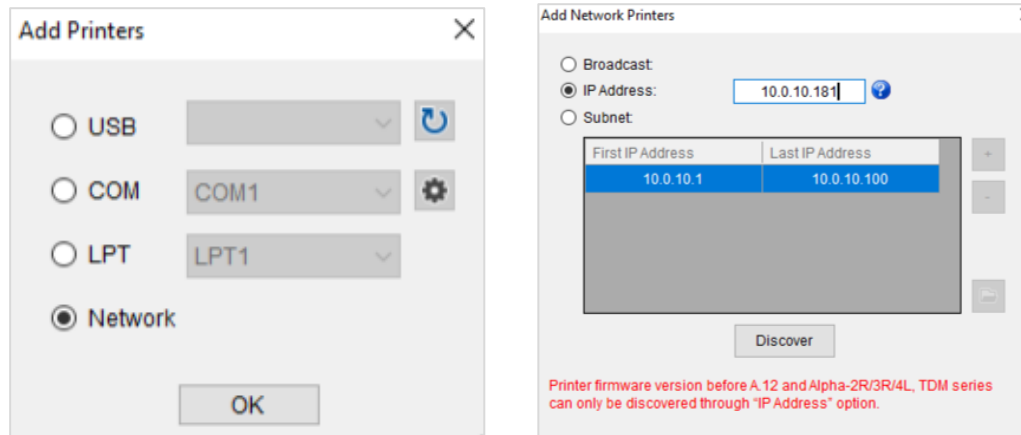
3. Click **Ethernet** tab and Check the **IP Address**.

The screenshot shows the 'Ethernet' configuration tab, which is highlighted with a red box. The tab is part of a series of tabs including 'Common', 'RS-232', 'Bluetooth', 'Wi-Fi', 'Ethernet', 'SMTP', and 'SNTP'. Within the 'Ethernet' tab, there are two radio buttons: 'DHCP' (selected) and 'Static IP'. Below these, there are four input fields: 'IP Address' (10.0.10.181), 'Subnet Mask' (255.255.255.0), 'Gateway' (10.0.10.251), and 'MAC Address' (00-1B-82-E0-12-2A). These four fields are grouped together and highlighted with a red box. To the right of these fields is a 'Set' button. Below this group, there are two more input fields: 'Primary DNS IP' and 'Secondary DNS IP', with a 'Set' button to their right. Further down, there is a 'Printer Name' field with the value 'PS-E0122A' and a 'Set' button. At the bottom, there is a 'Raw Port' field with the value '9100' and a 'Set' button. At the very bottom of the interface, there are two buttons: 'Set' and 'Get'.

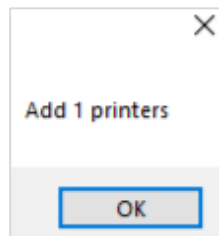
4. Return to **TSC Console** main page → Click **Printer** → Select **Add Printers**.



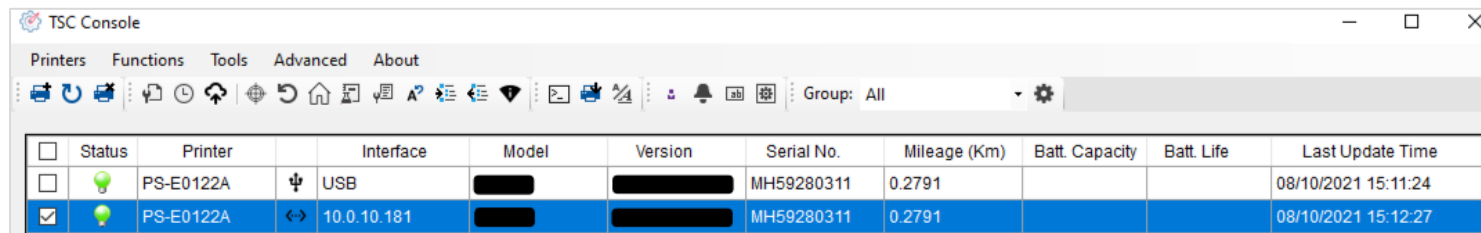
5. Choose **Network** → Key in the **IP Address** → Click **Discover** to establish the Ethernet interface.



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

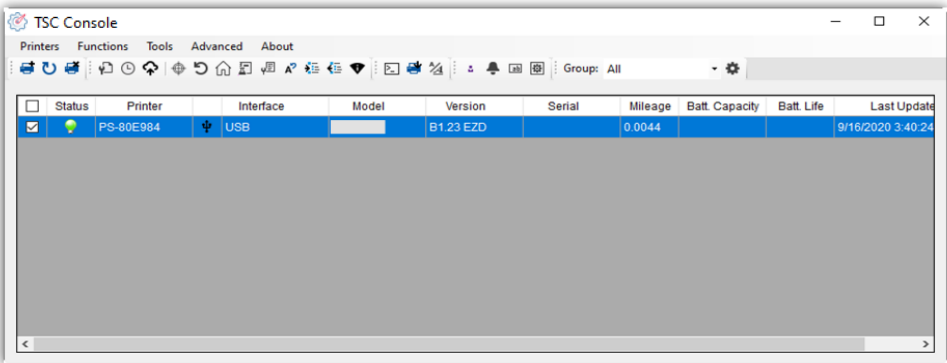


7. The **Ethernet** interface will be shown on **TSC Console**.

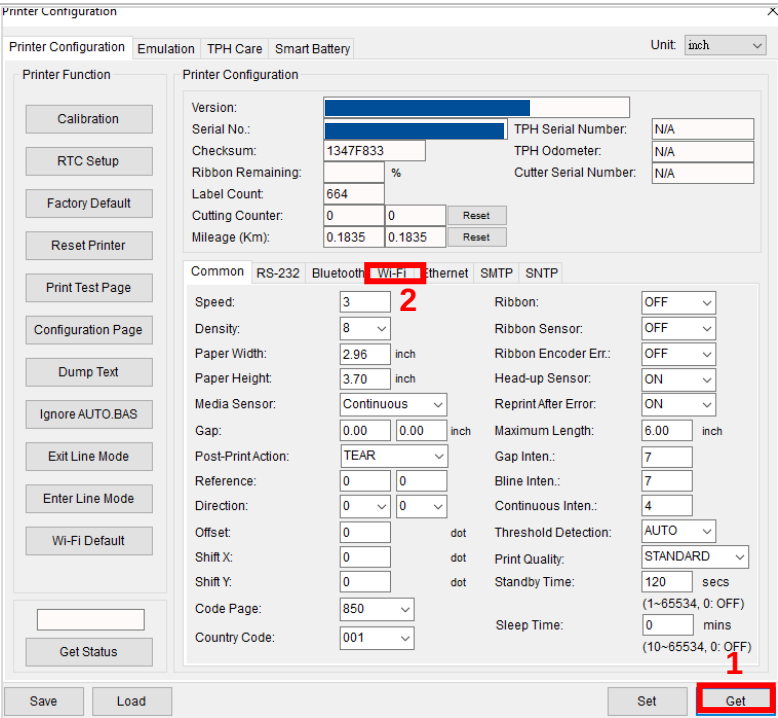


Network (WiFi)

- 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.

The screenshot shows the 'Wi-Fi' configuration page. Under the 'Built-in Wi-Fi Module' section, the following fields are highlighted with a red box and labeled '1': SSID (SSID\_1), WLAN Encryption (WPA-Personal), Key (\*\*\*\*\*), and DHCP (ON). The 'Set' button at the bottom right is highlighted with a red box and labeled '2'.

### For WPA-Enterprise

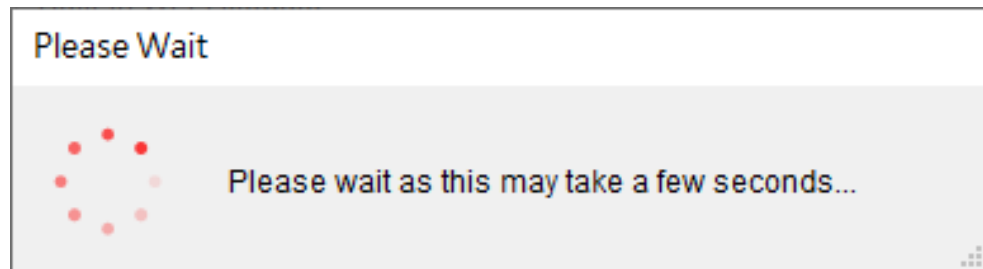
- I. Fill-in the **SSID**.
- II. Select the Encryption option to **WPA2-Enterprise**.
- III. Select DHCP to **ON** (For **OFF** option, please fill-in the IP Address, Subnet Mask and Gateway)
- IV. Select the **EAP Type** option. (For **EAP-TLS** option, please upload the CA and Key for mutual authentication, integrity-protected cipher suite negotiation, and key exchange between two endpoints.)
- V. After setting, click the **Set** button.

The screenshot shows the 'Wi-Fi' configuration page. Under the 'Built-in Wi-Fi Module' section, the following fields are highlighted with a red box and labeled '1': SSID (SSID\_2), WLAN Encryption (WPA-Enterprise), Key (\*\*\*\*\*), DHCP (ON), IP Address, Subnet Mask (0.0.0.0), Gateway, Primary DNS IP, Secondary DNS IP, Raw Port (9100), Printer Name (PS-FF153C), and MAC Address (00:1B:82:FF:15:3C). The 'EAP Type' dropdown menu is highlighted with a red box and labeled '2'. The 'Set' button at the bottom right is highlighted with a red box and labeled '3'.

### 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.

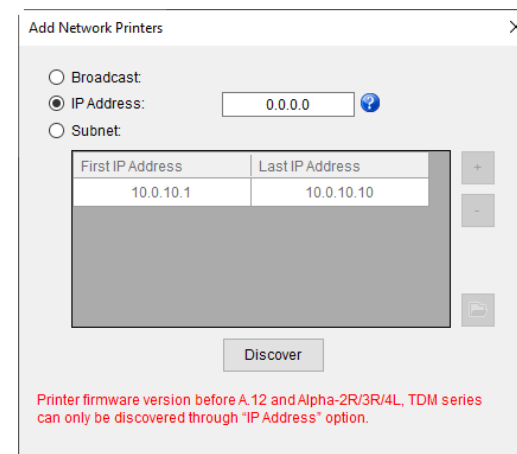


6. IP address will be shown in the "IP address" field and the Wi-Fi logo and IP address will be displayed on the LCD-supported models.

**Note:**

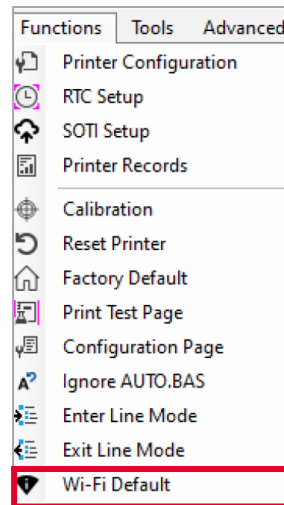
IP address should be shown within about 5~15 seconds after printer turn on. If not, please refer to steps below to initialize the printer Wi-Fi module settings then to setup it again.

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.



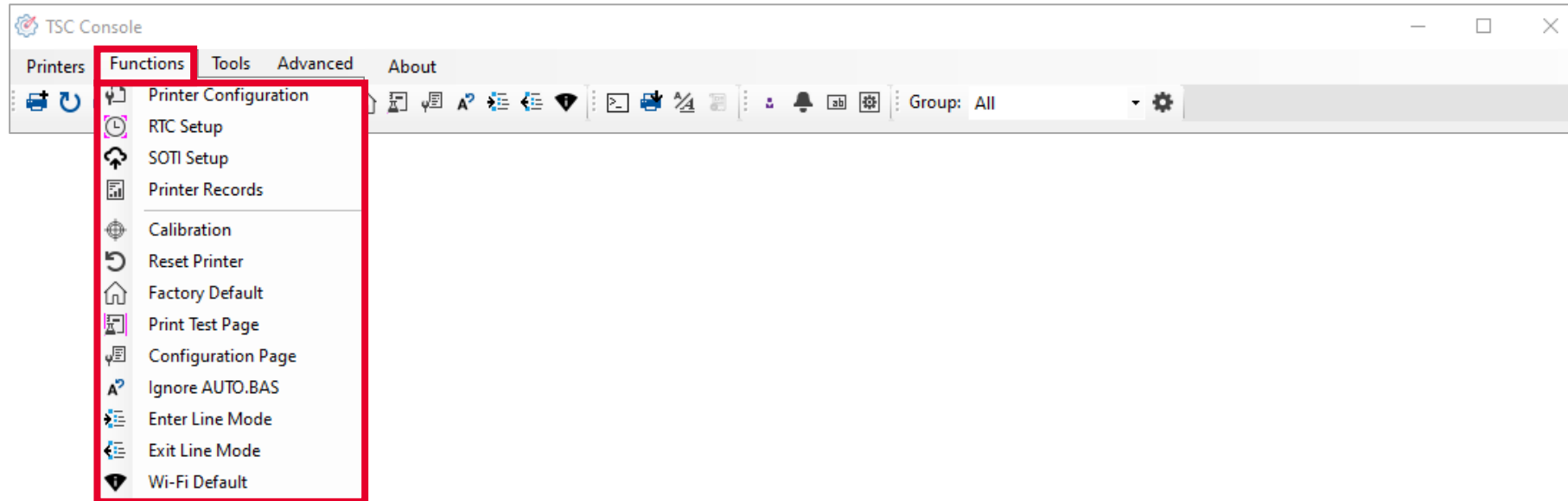
## 2.3.1 Initialize the Printer WiFi Setting

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

Printer Configuration

Printer Configuration Emulation TTP Care Smart Battery

Unit: mm

Printer Function

Calibration

RTC Setup

Factory Default

Reset Printer

Functions

Configuration Page

Dump Text

Ignore AUTO.BAS

Exit Line Mode

Enter Line Mode

Wi-Fi Default

Status

Get Status

Printer Information

Version:

Serial No.:

Checksum:

Ribbon Remaining:

Label Count:

Cutting Counter:

Mileage (Km):

TPH Serial Number:

TPH Odometer:

Cutting Serial Number:

Reset

Reset

Common RS-232 Bluetooth Wi-Fi Ethernet SMTP SNTP

Speed:

Density:

Paper Width:

Paper Height:

Media Sensor:

Gap:

Post-Print Action:

Reference:

Direction:

Offset:

Shift X:

Shift Y:

Code Page:

Country Code:

Ribbon:

Ribbon Sensor:

Ribbon Encoder Err.:

Head-up Sensor:

Reprint After Error:

Maximum Length:

Gap Inten.:

Continuous Inten.:

Threshold Detection:

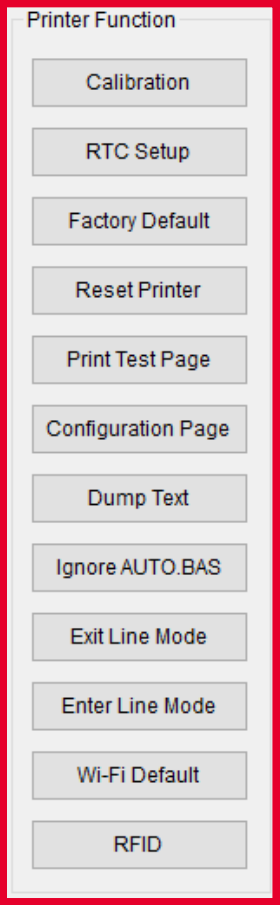
Print Quality:

Standby Time:

Sleep Time:

Save Load Set Get the Settings Get

### 3.1.1 Printer Functions



| Functions          | Description                                                           |
|--------------------|-----------------------------------------------------------------------|
| Calibrate Sensor   | Detect media types and the size of the label                          |
| RTC Setup          | Synchronize printer with 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.

#### Printer's firmware and hardware info

Printer Configuration

|                  |  |  |       |                       |  |
|------------------|--|--|-------|-----------------------|--|
| Version:         |  |  |       | TPH Serial Number:    |  |
| Serial No.       |  |  |       | TPH Odometer:         |  |
| Checksum:        |  |  |       | Cutter Serial Number: |  |
| Ribbon:          |  |  |       |                       |  |
| Label Count:     |  |  |       |                       |  |
| Cutting Counter: |  |  | Reset |                       |  |
| Mileage (Km):    |  |  | Reset |                       |  |

#### Printhead and Cutter's info

#### Printing and Cutting info

### 3.1.3 Printer Setup - Common

**Common** area provides the basic settings for the printers.

The screenshot shows the 'Common' tab of a printer configuration window. The interface is divided into two main columns of settings. Red boxes highlight specific groups of settings, and blue callout boxes provide descriptions for these groups. The settings include Speed, Density, Paper Width, Paper Height, Media Sensor, Gap, Post-Print Action, Reference, Direction, Offset, Shift X, Shift Y, Code Page, Country Code, Ribbon, Ribbon Sensor, Ribbon Encoder Err., Head-up Sensor, Reprint After Error, Maximum Length, Gap Inten., Bline Inten., Continuous Inten., Threshold Detection, Print Quality, Standby Time, and Sleep Time. The 'Set' and 'Get' buttons are at the bottom right.

| Callout Description                   | Settings                                                     |
|---------------------------------------|--------------------------------------------------------------|
| Set printing speed and Density        | Speed, Density                                               |
| Set media's size                      | Paper Width, Paper Height                                    |
| Set media sensor and gap value        | Media Sensor, Gap                                            |
| Set printer's action and direction    | Post-Print Action, Reference, Direction                      |
| Set the region code                   | Code Page, Country Code                                      |
| Set ribbon sensor                     | Ribbon, Ribbon Sensor, Ribbon Encoder Err.                   |
| Set printer behaviors                 | Head-up Sensor, Reprint After Error, Maximum Length          |
| Set intensity of media sensor         | Gap Inten., Bline Inten., Continuous Inten.                  |
| Exclusive settings for mobile printer | Threshold Detection, Print Quality, Standby Time, Sleep Time |

### 3.1.4 Printer Setup - RS232

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

|                                                                                                                                                                            |        |           |      |          |      |      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----------|------|----------|------|------|
| Common                                                                                                                                                                     | RS-232 | Bluetooth | WiFi | Ethernet | SMTP | SNTP |
| <div>Baud Rate: <input type="text"/></div> <div>Data Bits: <input type="text"/></div> <div>Parity: <input type="text"/></div> <div>Stop Bit(s): <input type="text"/></div> |        |           |      |          |      |      |

### 3.1.5 Printer Setup - Bluetooth

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

The screenshot shows a printer configuration window with tabs for Common, RS-232, Bluetooth, Wi-Fi, Ethernet, SMTP, and SNTP. The Bluetooth tab is active. It contains three main sections highlighted with red boxes:

- Built-in Bluetooth Information:** Includes fields for BT Name, BT Pair Mode (dropdown), BT Pin Code, BT MAC Address, and BT Version. An arrow points from this box to the label "Bluetooth infomation".
- External Bluetooth Module:** Includes a "Setup" button. An arrow points from this box to the label "Setup for External Bluetooth Module".
- XPico270 Module:** Includes "Enable BT" and "Disable BT" buttons. An arrow points from this box to the label "Enable/Disable the Bluetooth on Xpico WiFi+BT combo module".

At the bottom of the window are "Set" and "Get" buttons.

### 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.

CommonRS-232BluetoothWi-FiEthernetSMTPSNTP

Wi-Fi Module

SSID:

EAP Type:

WLAN Encryption:

Username:

Key:

Password:

DHCP:

Filename

Browse

IP Address:

0.0.0.0

CA Certificate:

...

Subnet Mask:

0.0.0.0

Client Certificate:

...

Gateway:

0.0.0.0

Private Key:

...

Primary DNS IP:

0.0.0.0

EAP-FAST PAC:

...

Secondary DNS IP:

0.0.0.0

Raw Port:

Printer Name:

Wi-Fi Version:

MAC Address:

RSSI:

Set

Get

### 3.1.7 Printer Setup - Ethernet

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

|        |        |           |       |                 |      |      |
|--------|--------|-----------|-------|-----------------|------|------|
| Common | RS-232 | Bluetooth | Wi-Fi | <b>Ethernet</b> | SMTP | SNTP |
|--------|--------|-----------|-------|-----------------|------|------|

☐ DHCP

☐ Static IP

IP Address:

0.0.0.0

Subnet Mask:

0.0.0.0

Gateway:

0.0.0.0

MAC Address:

Set

Printer Name:

Set

Raw Port:

Set

### 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.

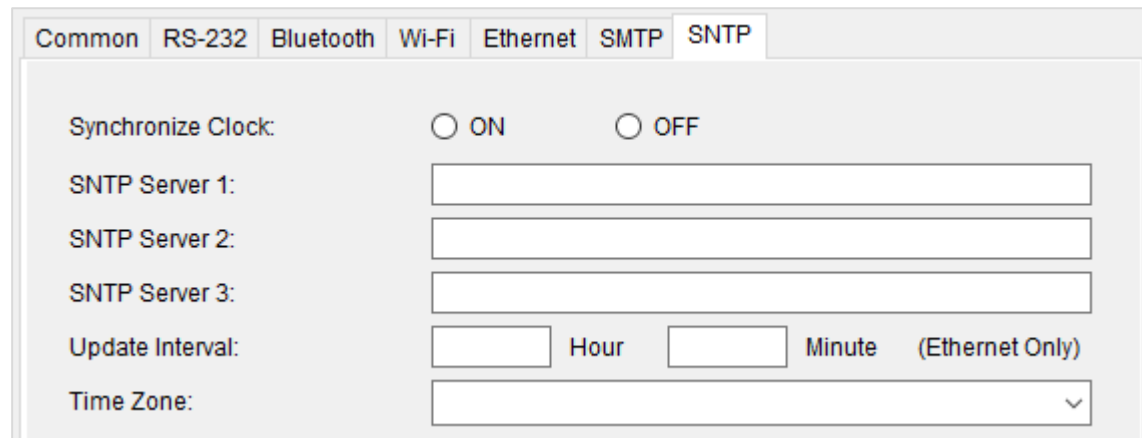
**Note:** Only support firmware A2.13 or above version (Ethernet / WiFi).

|                                                                        |        |           |      |          |      |      |
|------------------------------------------------------------------------|--------|-----------|------|----------|------|------|
| Common                                                                 | RS-232 | Bluetooth | WiFi | Ethernet | SMTP | SNTP |
| SMTP Server: <input type="text"/>                                      |        |           |      |          |      |      |
| SMTP Authentication:                                                   |        |           |      |          |      |      |
| <input type="radio"/> Disable                                          |        |           |      |          |      |      |
| <input type="radio"/> Enable                                           |        |           |      |          |      |      |
| User Name: <input type="text"/>                                        |        |           |      |          |      |      |
| Password: <input type="text"/>                                         |        |           |      |          |      |      |
| Sender E-mail Address: <input type="text"/>                            |        |           |      |          |      |      |
| Receiver E-mail Address: <input type="text"/>                          |        |           |      |          |      |      |
| Error Notification: <input type="radio"/> On <input type="radio"/> Off |        |           |      |          |      |      |
| Notify Mileage Interval: <input type="text"/> Km                       |        |           |      |          |      |      |

### 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).



The screenshot shows a configuration window with tabs at the top: Common, RS-232, Bluetooth, Wi-Fi, Ethernet, SMTP, and SNTP. The SNTP tab is selected. The configuration options are as follows:

- Synchronize Clock:** Two radio buttons, ☐ ON and ☐ OFF.
- SNTP Server 1:** A text input field.
- SNTP Server 2:** A text input field.
- SNTP Server 3:** A text input field.
- Update Interval:** Two text input fields for hours and minutes, followed by the text "(Ethernet Only)".
- Time Zone:** A dropdown menu with a downward arrow.

### 3.1.10 Features Tab - Emulation

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

The image shows a software interface for printer configuration. The main window has tabs for 'Printer Configuration', 'Emulation', 'TPH Care', and 'Smart Battery'. The 'Emulation' tab is active. On the left, there are settings for 'Z' (ZPL) and 'D' (DPL). The 'D' tab is highlighted with a red box, and a blue arrow points from it to a secondary window. This secondary window also has the same tabs, with 'Emulation' selected. It contains settings for 'Heat' (0 ~ 30), 'Print Speed', 'Label Width' (mm), 'Present Sensor', 'Cutter Equipped', 'Control Codes', 'Column Offset' (mm), and 'Row Offset' (mm). A 'Set' button is located on the right side of this secondary window. At the bottom of the main window, there are 'Save', 'Load', 'Set', and 'Get' buttons.

Printer Configuration Emulation TPH Care Smart Battery Unit: mm

Z D

Darkness:  0 ~ 100  
Print Speed:   
Tear Off Pos:  -120 ~ 120  
Print Mode:    
Print Width:  dot  
Control Prefix:   
Format Prefix:   
Delimiter Char:   
Media Power Up:    
Head Close:    
Label Top:  -120 ~ 120  
Left Position:  -9999 ~ 9999

Printer Configuration Emulation TPH Care Smart Battery

D

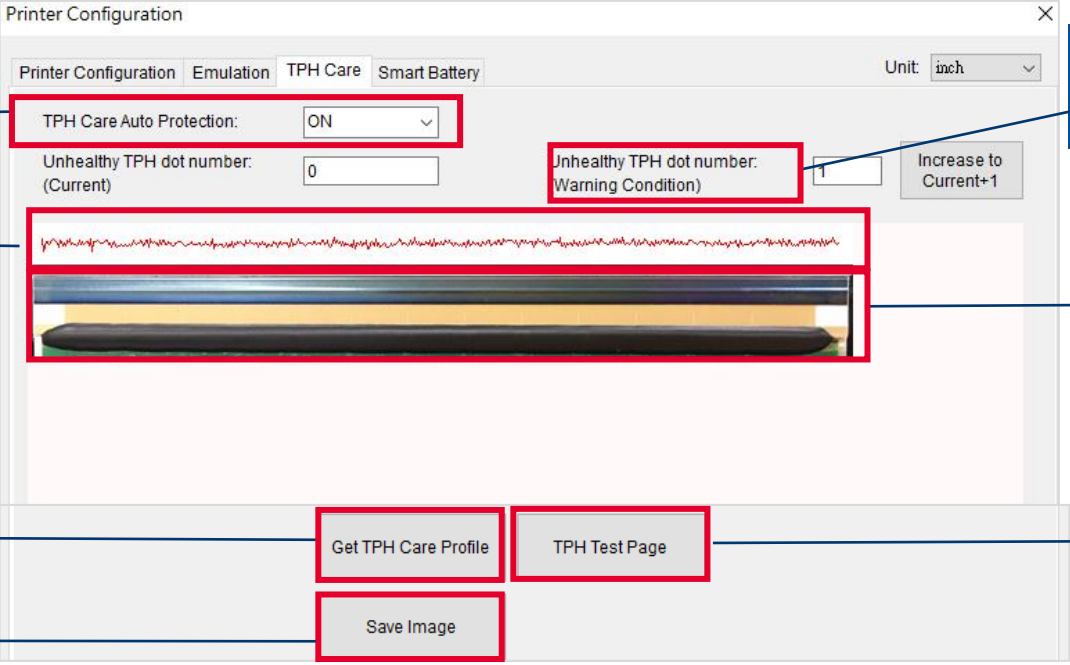
Heat:  0 ~ 30  
Print Speed:   
Label Width:  mm  
Present Sensor:    
Cutter Equipped:    
Control Codes:    
Column Offset:  mm  
Row Offset:  mm

Set

Save Load Set Get

### 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.



The screenshot shows the 'Printer Configuration' window with the 'TPH Care' tab selected. The window includes a 'Unit' dropdown set to 'inch'. The 'TPH Care Auto Protection' is set to 'ON'. The 'Unhealthy TPH dot number: (Current)' is 0, and the 'Unhealthy TPH dot number: (Warning Condition)' is 1. A red waveform graph is displayed above a photograph of a print head. At the bottom, there are buttons for 'Get TPH Care Profile', 'TPH Test Page', and 'Save Image'.

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 threshold for unhealthy TPH dot number.

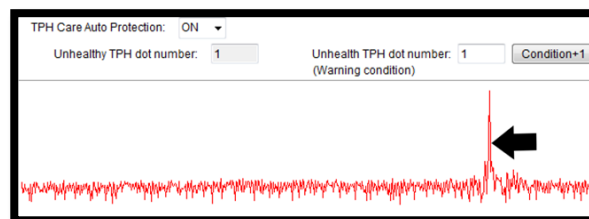
This image is used to check the relative position of the unhealthy TPH dot.

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

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

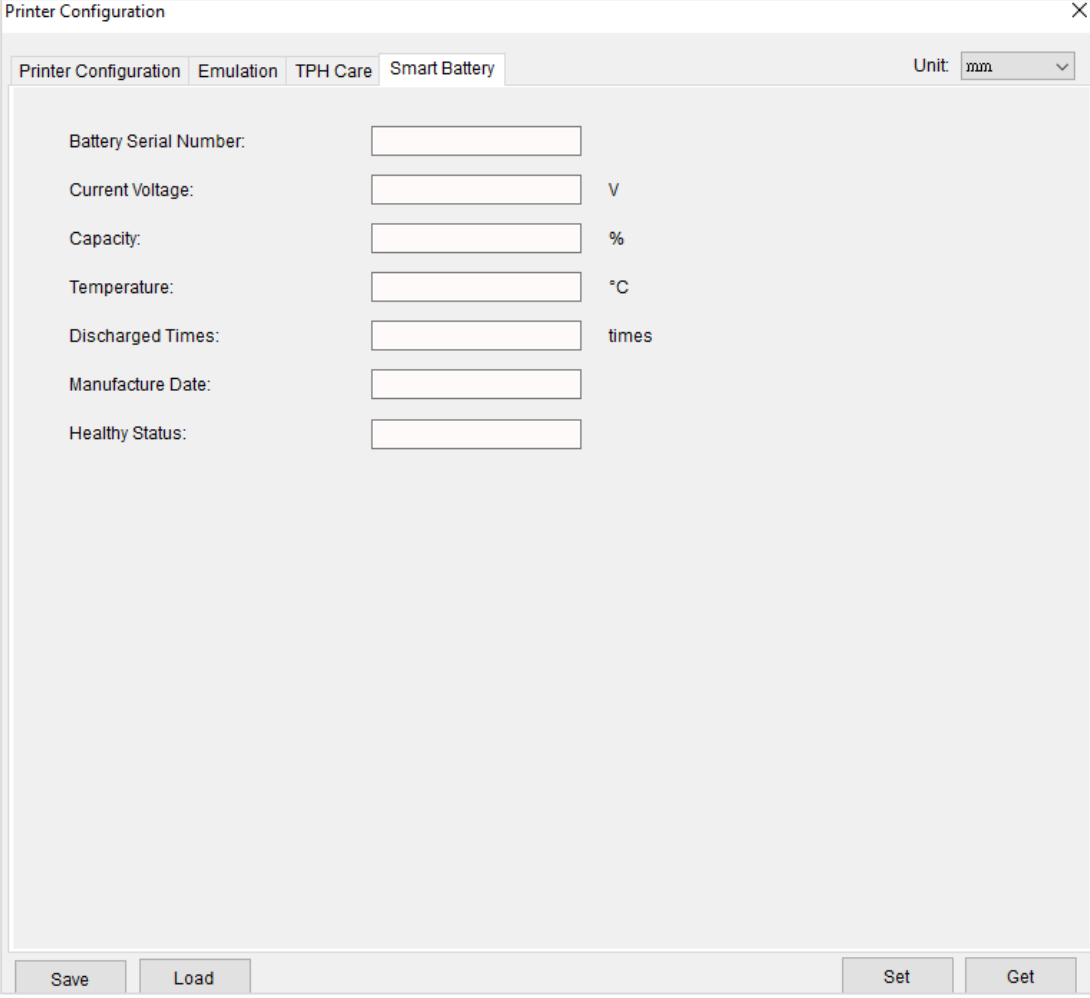
This option is used to print a TPH test image to check the TPH printing result.

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.)**



The image shows a software window titled "Printer Configuration" with a close button (X) in the top right corner. Inside the window, there are four tabs: "Printer Configuration", "Emulation", "TPH Care", and "Smart Battery". The "Smart Battery" tab is currently selected. In the top right corner of the tab area, there is a "Unit:" label followed by a dropdown menu showing "mm". The main area of the "Smart Battery" tab contains seven rows of input fields, each with a label to its left and a unit to its right. The labels and units are: "Battery Serial Number:" (no unit), "Current Voltage:" (V), "Capacity:" (%), "Temperature:" (°C), "Discharged Times:" (times), "Manufacture Date:" (no unit), and "Healthy Status:" (no unit). At the bottom of the window, there are four buttons: "Save", "Load", "Set", and "Get".

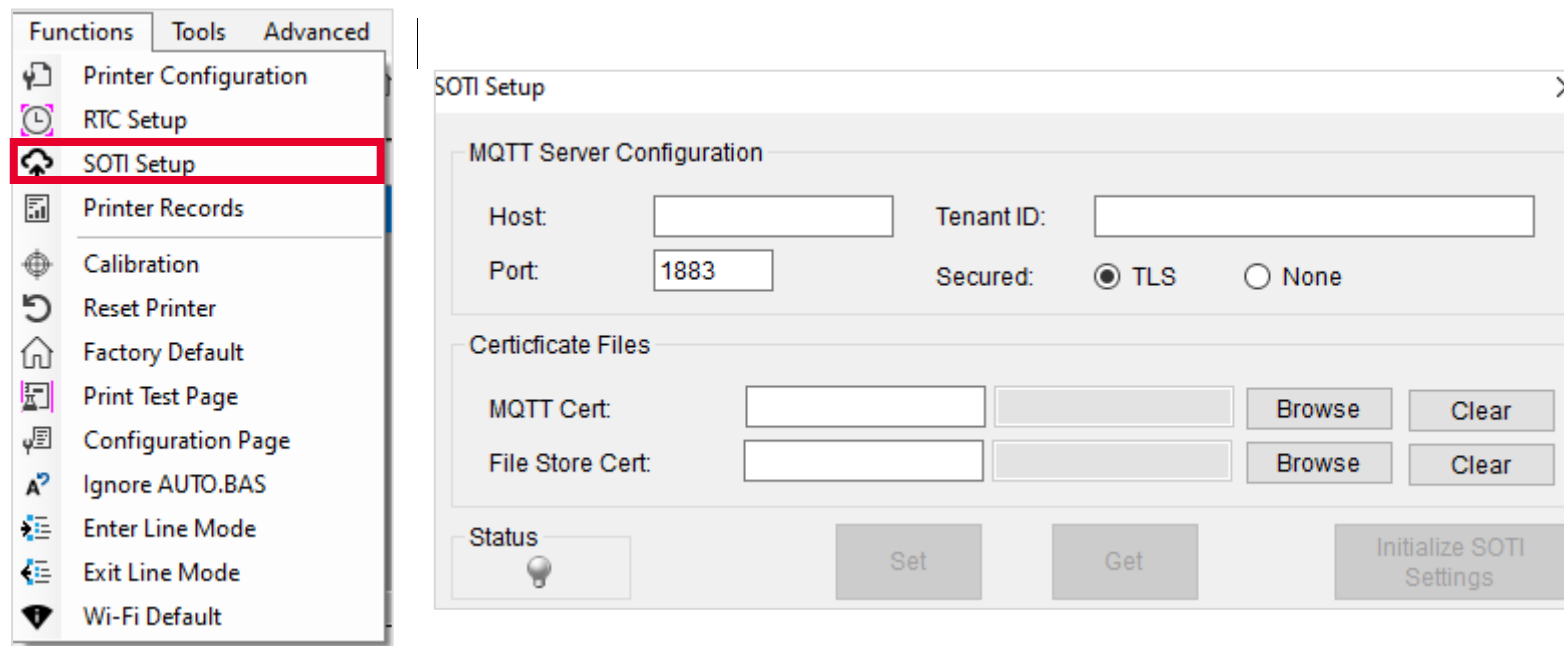
| Field Label            | Input Field          | Unit  |
|------------------------|----------------------|-------|
| Battery Serial Number: | <input type="text"/> |       |
| Current Voltage:       | <input type="text"/> | V     |
| Capacity:              | <input type="text"/> | %     |
| Temperature:           | <input type="text"/> | °C    |
| Discharged Times:      | <input type="text"/> | times |
| Manufacture Date:      | <input type="text"/> |       |
| Healthy Status:        | <input type="text"/> |       |

Buttons: Save, Load, Set, Get

## 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 resistance profile.

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

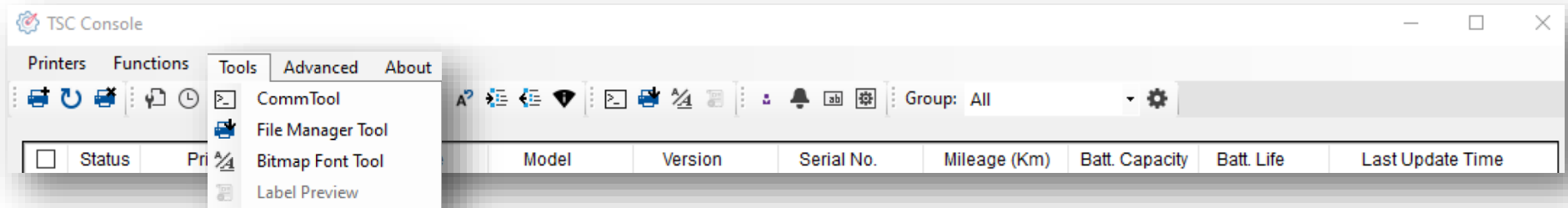
- Go to TSC Console main page > select the printers > click **Printer Records** in the Tool menu or right click on printer to find the option to enter in the **Printer Records** page.

The screenshot shows the 'Printer Records' window. A blue box at the top left says 'Filter by name or interface'. Below it, a red box highlights the 'Name' dropdown (set to 'PS-FF02BF') and the 'Interface' dropdown (set to 'USB'). To the right, another red box highlights the 'Clear Records' (trash icon) and 'Export' (document icon) buttons. A blue box on the right says 'Clear or export the data'. Below the filters, there are date pickers for 'Start' (2022/ 1/ 1) and 'End' (2022/). A red box highlights the tabs: 'Raw Data' (selected), 'Life Cycle', 'Media Usage', and 'TPH resistance profile'. Below the tabs, a blue box says 'Available information that can be checked'. To the right of the table, there are 'Unit: inch' and 'Hide Offline' dropdowns. The table itself has columns: Time, Printer Name, Interface, Model Name, Status, IP Address, and Firmware Ver. A blue box in the middle of the table says 'Data information will display on this area'. The table contains 8 rows of data for printer PS-FF02BF. At the bottom, there are navigation buttons: '<<', '<', '1 / 3', '>', and '>>'.

| Time                 | Printer Name | Interface | Model Name | Status | IP Address | Firmware Ver |
|----------------------|--------------|-----------|------------|--------|------------|--------------|
| 2022/1/19 2:04:34 PM | PS-FF02BF    | USB       | DA200      | Ready  | -          | A2.12 EZD    |
| 2022/1/19 1:59:18 PM | PS-FF02BF    | USB       | DA200      | Ready  | -          | A2.12 EZD    |
| 2022/1/19 1:54:02 PM | PS-FF02BF    | USB       | DA200      | Ready  | -          | A2.12 EZD    |
| 2022/1/19 1:48:45 PM | PS-FF02BF    | USB       | DA200      | Ready  | -          | A2.12 EZD    |
| 2022/1/19 1:43:29 PM | PS-FF02BF    | USB       | DA200      | Ready  | -          | A2.12 EZD    |
| 2022/1/19 1:38:13 PM | PS-FF02BF    | USB       | DA200      | Ready  | -          | A2.12 EZD    |
| 2022/1/19 1:32:57 PM | PS-FF02BF    | USB       | DA200      | Ready  | -          | A2.12 EZD    |
| 2022/1/19 1:27:40 PM | PS-FF02BF    | USB       | DA200      | Ready  | -          | A2.12 EZD    |

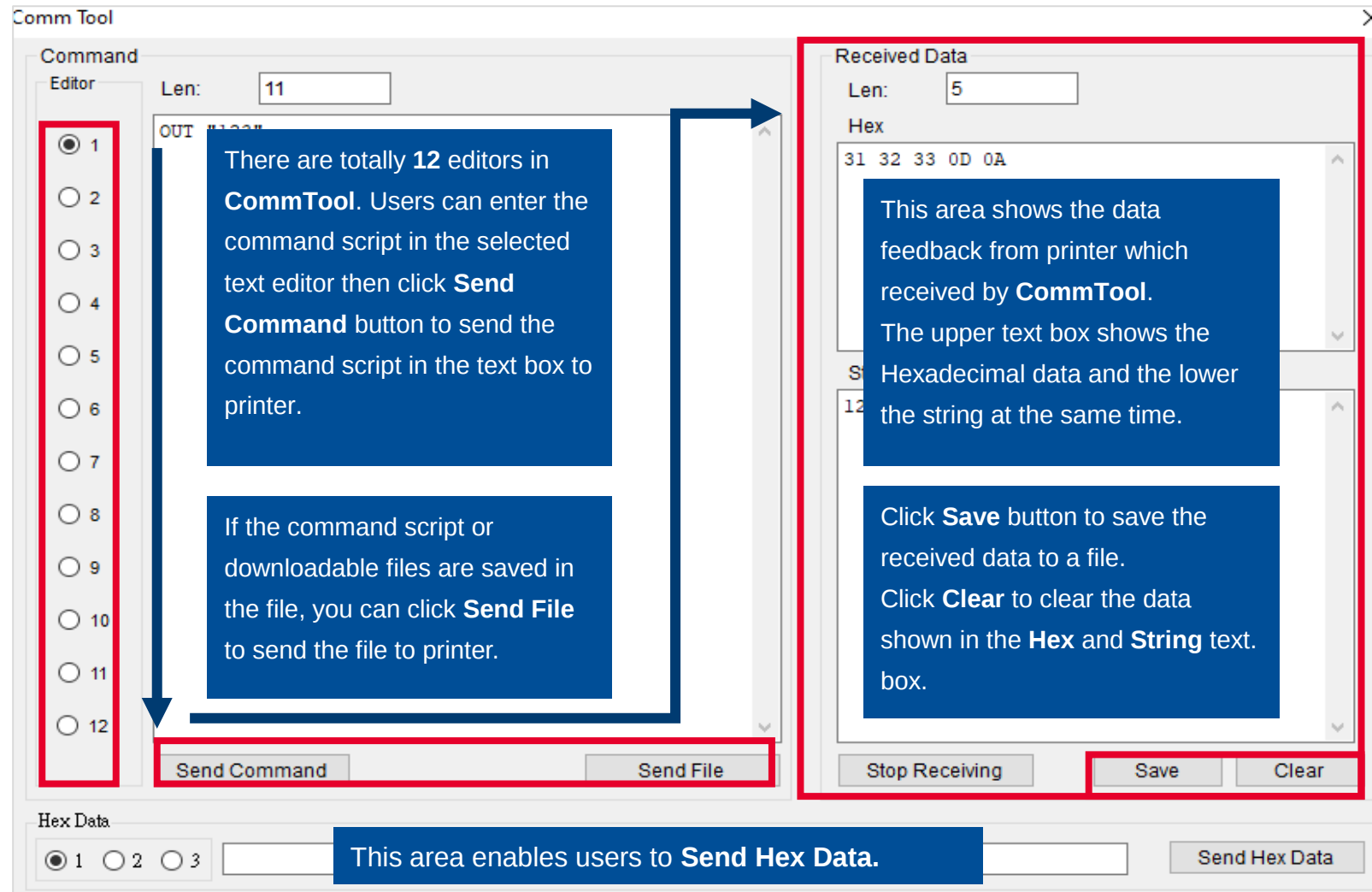
## 4. Tools

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**.



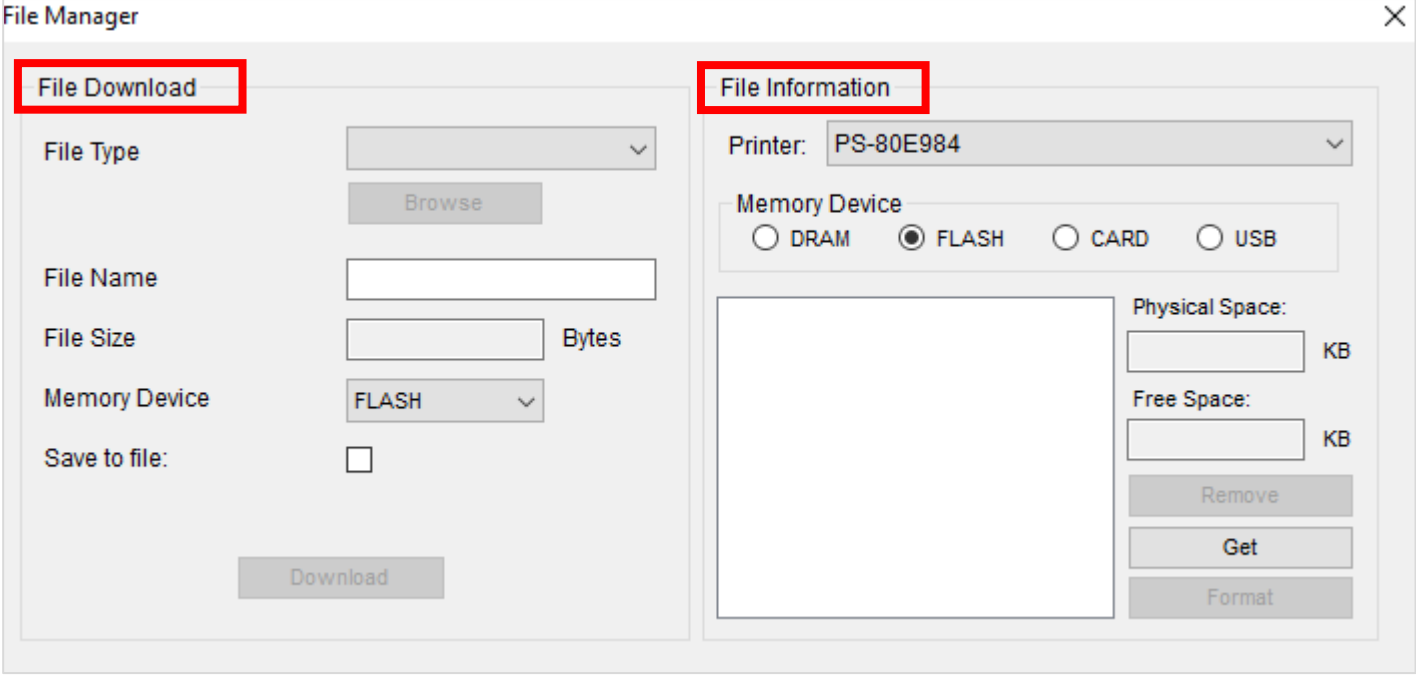
## 4.1 CommTool

**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.



The screenshot displays the 'File Manager' application window, which is divided into two main sections: 'File Download' and 'File Information'. Both sections are highlighted with red boxes.

**File Download Section:**

- File Type:** A dropdown menu.
- Browse:** A button to select a file.
- File Name:** A text input field.
- File Size:** A text input field followed by a 'Bytes' label.
- Memory Device:** A dropdown menu currently set to 'FLASH'.
- Save to file:** A checkbox.
- Download:** A button at the bottom.

**File Information Section:**

- Printer:** A dropdown menu showing 'PS-80E984'.
- Memory Device:** Radio buttons for 'DRAM', 'FLASH' (selected), 'CARD', and 'USB'.
- Physical Space:** A text input field followed by 'KB'.
- Free Space:** A text input field followed by 'KB'.
- Remove:** A button.
- Get:** A button.
- Format:** A button.

- **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 **Memory Device** to be stored with.
4. Import file to printer by clicking **Download**.

The screenshot shows a 'File Download' dialog box with the following fields and options:

- File Type:** A dropdown menu currently showing 'BMP'. A red box highlights this field. A list of file types is shown in a separate window: BMP, PCX, True Type Font, Bitmap Font, Printer BASIC File, Data File, Firmware File, TCF File, and Raw Data.
- Browse:** A button to select a file.
- File Name:** A text field containing 'Brick.bmp'.
- File Size:** A text field containing '413,226'.
- Memory Device:** A dropdown menu currently showing 'FLASH'. A red box highlights this field. A list of memory devices is shown in a separate window: FLASH, DRAM, FLASH, and CARD.
- Save to file:** A checkbox (not visible).
- Download:** A button at the bottom.

**Note:** BMP, 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

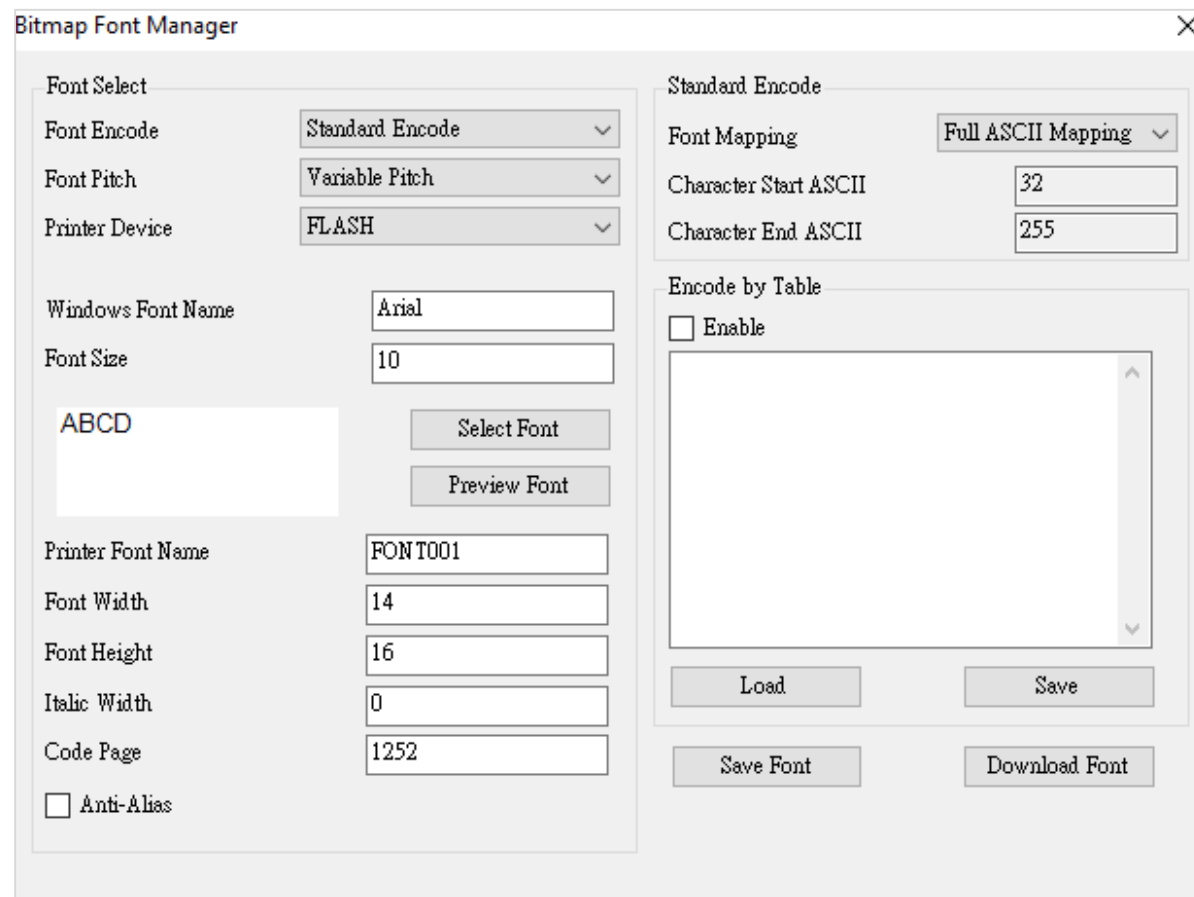
Below steps will demonstrate how to manage the storage from the printer:

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

The screenshot shows a 'File Information' dialog box. At the top, there is a 'Printer:' dropdown menu set to 'PS-80E984'. Below this is a 'Memory Device' section with four radio buttons: 'DRAM', 'FLASH' (which is selected), 'CARD', and 'USB'. This section is highlighted with a red rectangle. Below the radio buttons is a list of files, with 'Brick.bmp' selected and highlighted by a red rectangle. To the right of the file list, there are two fields: 'Physical Space:' showing '131072 KB' and 'Free Space:' showing '80348 KB'. At the bottom right, there are three buttons: 'Remove', 'Get', and 'Format'. The 'Remove' button is highlighted with a red rectangle.

## 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.



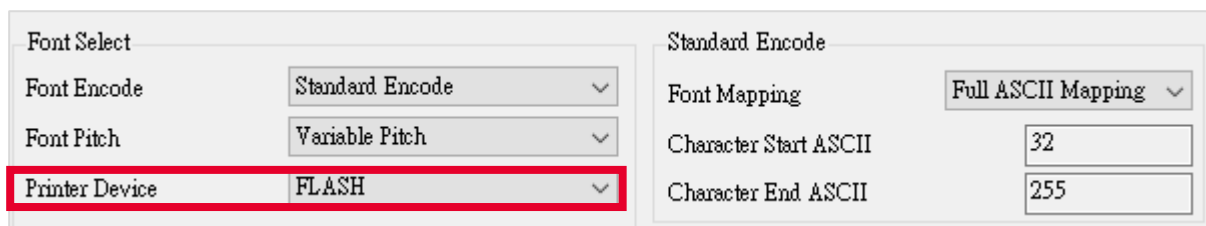
The screenshot shows the 'Bitmap Font Manager' dialog box with the following settings:

- Font Select**
  - Font Encode: Standard Encode
  - Font Pitch: Variable Pitch
  - Printer Device: FLASH
  - Windows Font Name: Arial
  - Font Size: 10
  - Preview: ABCD
  - Printer Font Name: FONT001
  - Font Width: 14
  - Font Height: 16
  - Italic Width: 0
  - Code Page: 1252
  - ☐ Anti-Alias
- Standard Encode**
  - Font Mapping: Full ASCII Mapping
  - Character Start ASCII: 32
  - Character End ASCII: 255
- Encode by Table**
  - ☐ Enable
  - Table area (empty)
  - Buttons: Load, Save
- Bottom Buttons**
  - Save Font
  - Download Font

## 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**.



Font Select

Font Encode: Standard Encode

Font Pitch: Variable Pitch

Printer Device: FLASH

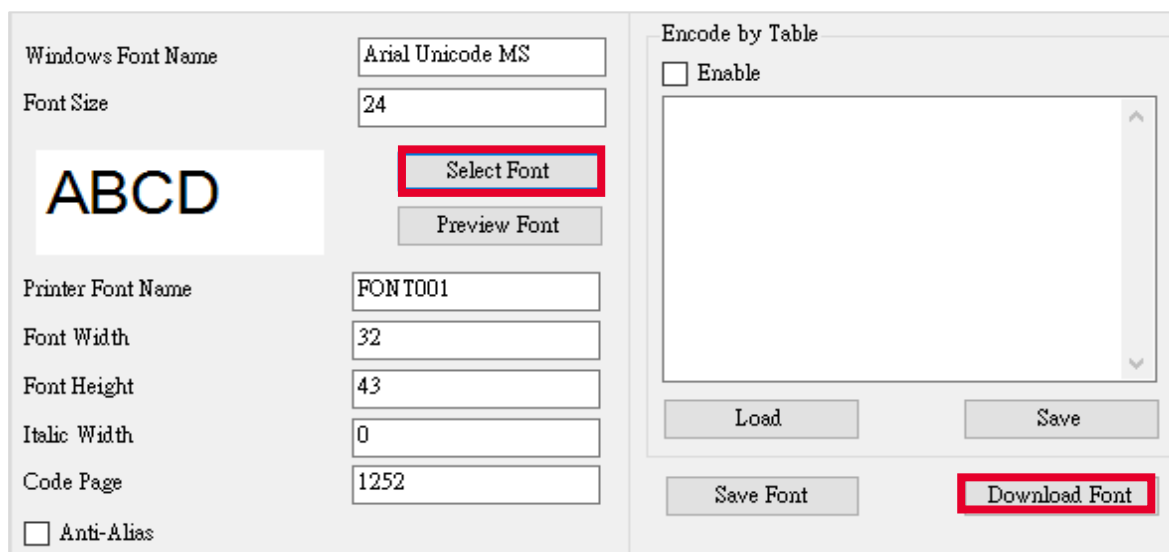
Standard Encode

Font Mapping: Full ASCII Mapping

Character Start ASCII: 32

Character End ASCII: 255

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



Windows Font Name: Arial Unicode MS

Font Size: 24

ABCD

Select Font

Preview Font

Printer Font Name: FONT001

Font Width: 32

Font Height: 43

Italic Width: 0

Code Page: 1252

☐ Anti-Alias

Encode by Table

☐ Enable

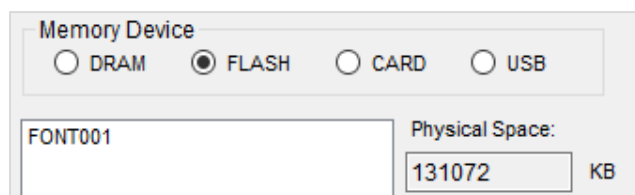
Load

Save

Save Font

Download Font

3. Check **File Manager**.



Memory Device

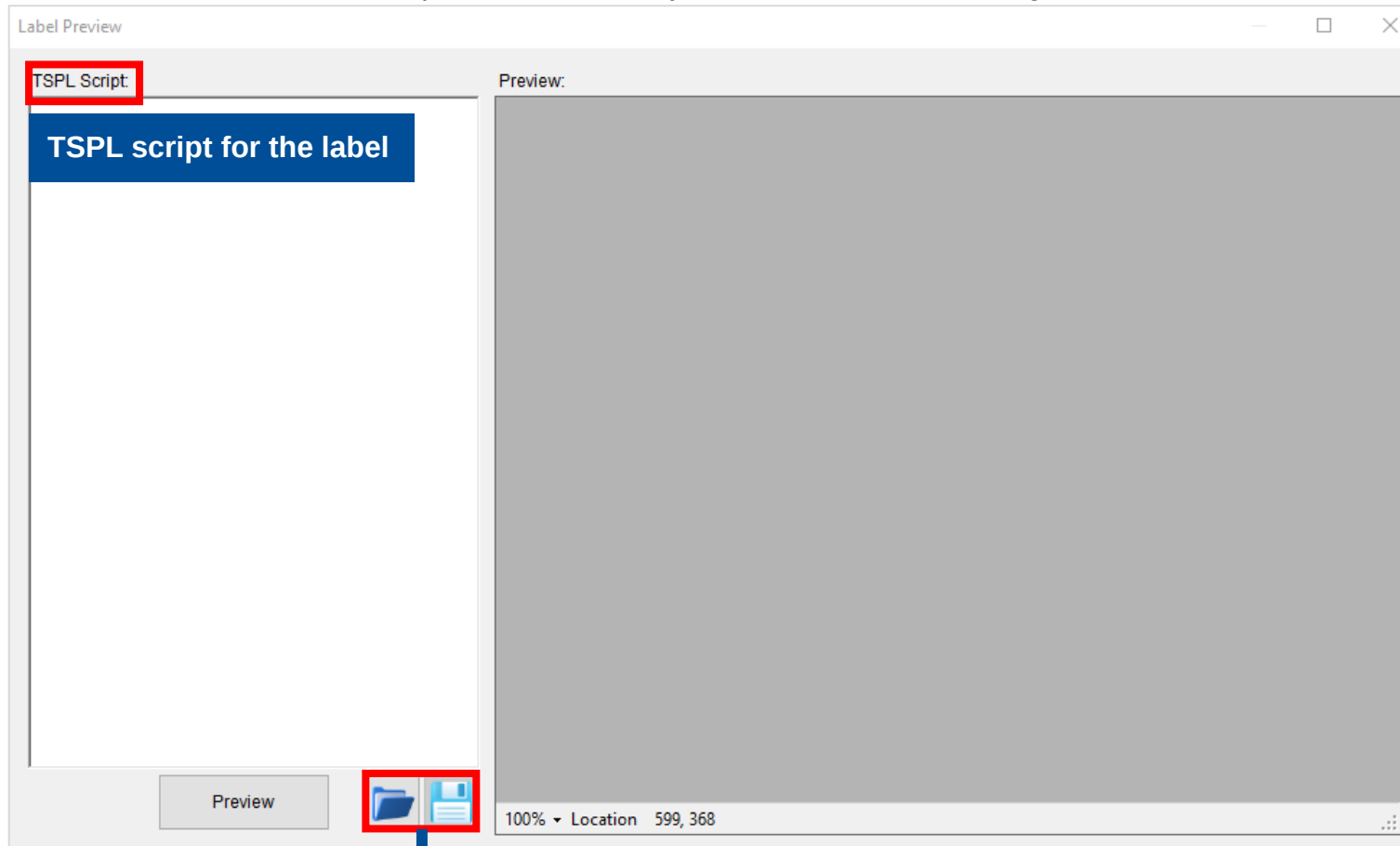
☐ DRAM ☒ FLASH ☐ CARD ☐ USB

FONT001

Physical Space: 131072 KB

## 4.4 Label Preview

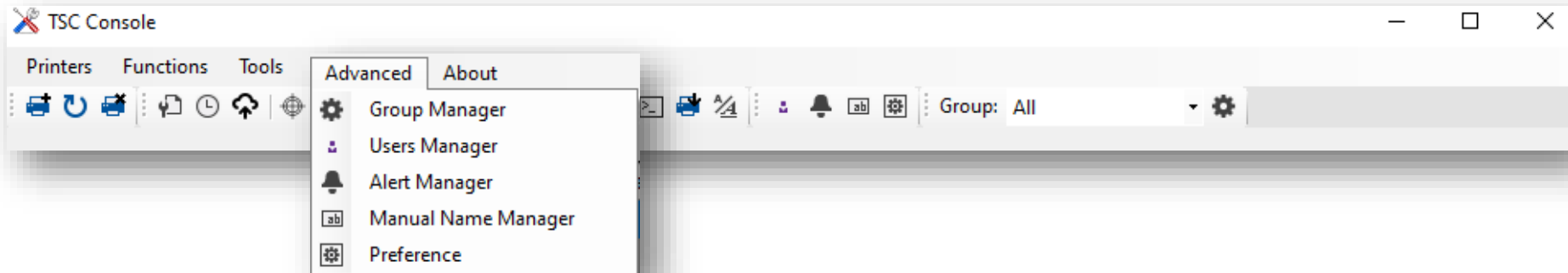
**Label Previes** enables user to preview the label by TSPL command or loading the file.



Load the file / Save TSPL script

## 5. Advanced

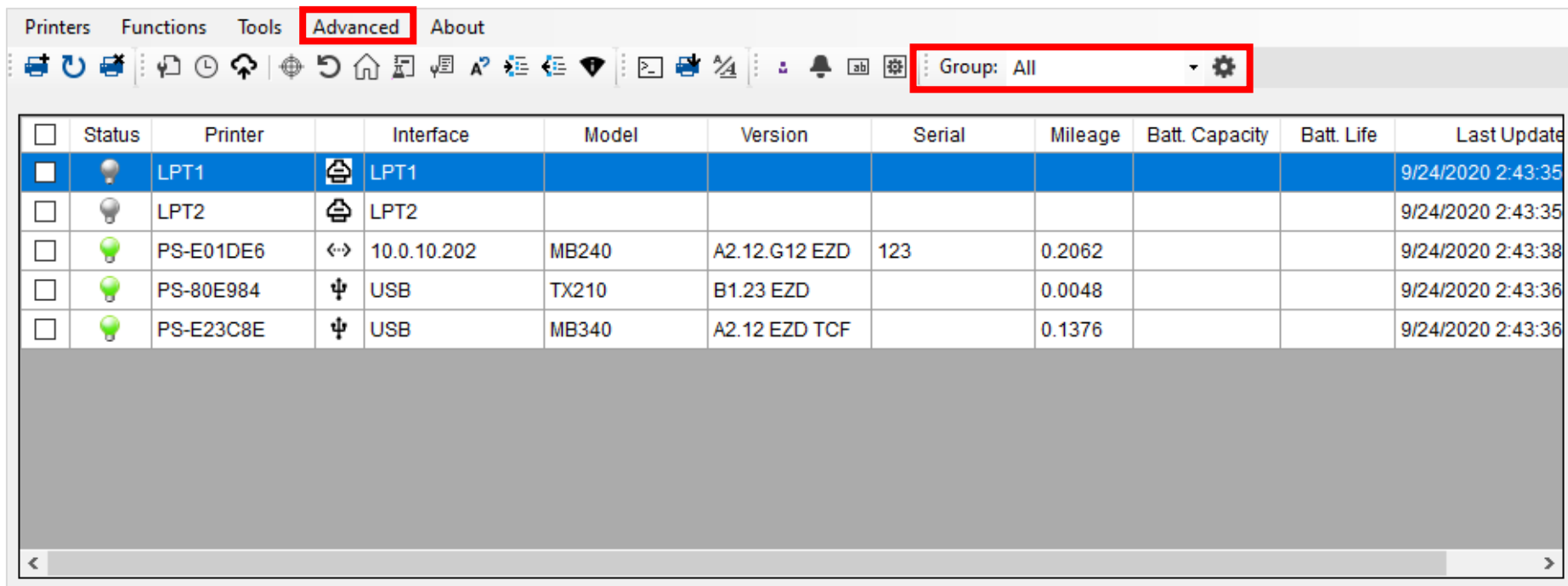
In **Advanced** section, users are able to set the group setting, set the password and alert, and adjust preference through TSC console to the printer.



## 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.

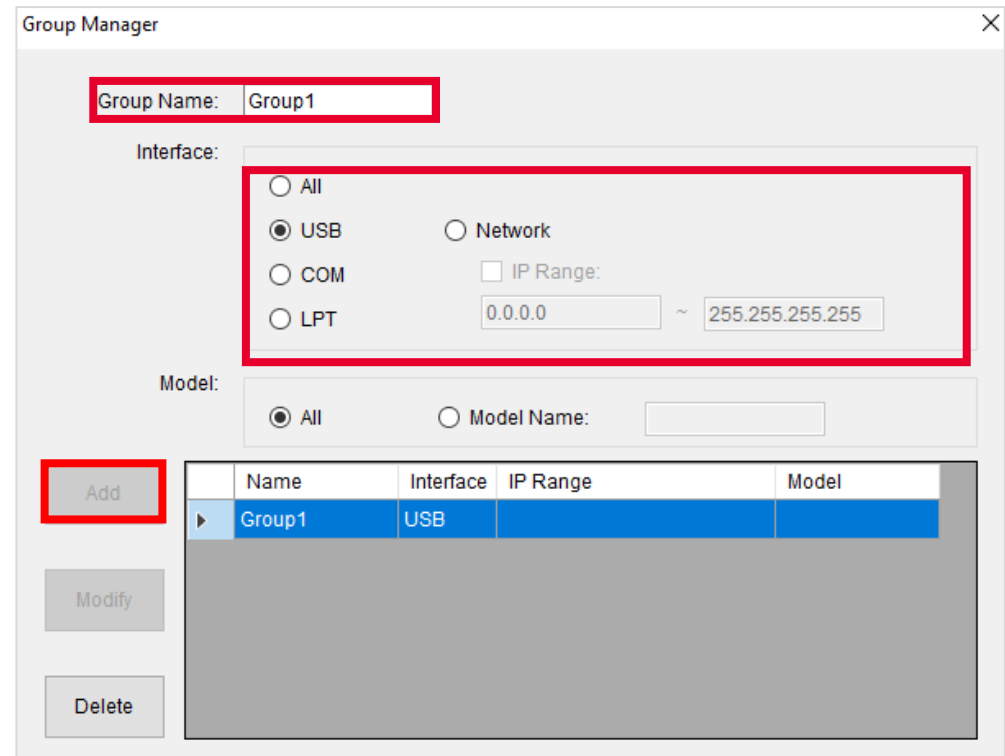


The screenshot displays the 'Group Manager' interface. At the top, there is a menu bar with 'Printers', 'Functions', 'Tools', 'Advanced' (highlighted with a red box), and 'About'. Below the menu bar is a toolbar with various icons. On the right side of the toolbar, there is a 'Group: All' dropdown menu (highlighted with a red box) and a settings gear icon. The main area contains a table with the following columns: Status, Printer, Interface, Model, Version, Serial, Mileage, Batt. Capacity, Batt. Life, and Last Update. The table lists five printers: LPT1, LPT2, PS-E01DE6, PS-80E984, and PS-E23C8E. The first row (LPT1) is highlighted in blue. Below the table is a large grey rectangular area, likely for additional configuration or a detailed view.

| <input type="checkbox"/>            | Status | Printer   |  | Interface   | Model | Version       | Serial | Mileage | Batt. Capacity | Batt. Life | Last Update       |
|-------------------------------------|--------|-----------|--|-------------|-------|---------------|--------|---------|----------------|------------|-------------------|
| <input checked="" type="checkbox"/> |        | LPT1      |  | LPT1        |       |               |        |         |                |            | 9/24/2020 2:43:35 |
| <input type="checkbox"/>            |        | LPT2      |  | LPT2        |       |               |        |         |                |            | 9/24/2020 2:43:35 |
| <input type="checkbox"/>            |        | PS-E01DE6 |  | 10.0.10.202 | MB240 | A2.12.G12 EZD | 123    | 0.2062  |                |            | 9/24/2020 2:43:38 |
| <input type="checkbox"/>            |        | PS-80E984 |  | USB         | TX210 | B1.23 EZD     |        | 0.0048  |                |            | 9/24/2020 2:43:36 |
| <input type="checkbox"/>            |        | PS-E23C8E |  | USB         | MB340 | A2.12 EZD TCF |        | 0.1376  |                |            | 9/24/2020 2:43:36 |

## 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**.

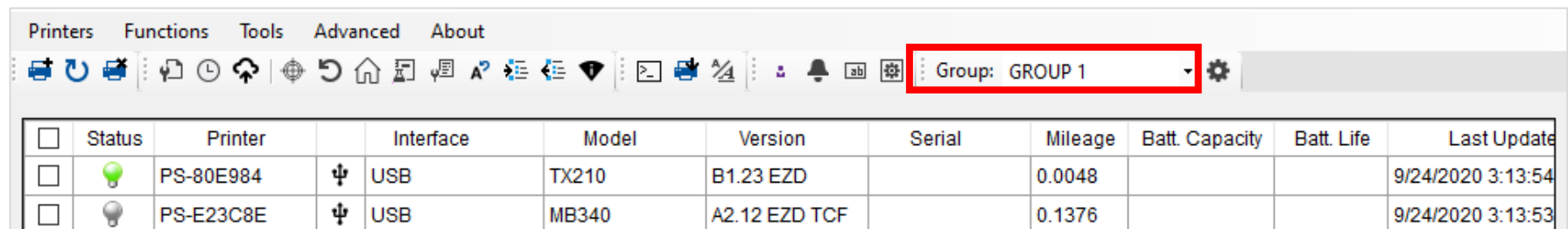


The Group Manager dialog box is shown with the following settings:

- Group Name:** Group1
- Interface:** USB (selected), Network, COM, LPT
- IP Range:** 0.0.0.0 ~ 255.255.255.255
- Model:** All (selected), Model Name:

The **Add** button is highlighted. Below the settings is a table showing the added group:

| Name   | Interface | IP Range | Model |
|--------|-----------|----------|-------|
| Group1 | USB       |          |       |



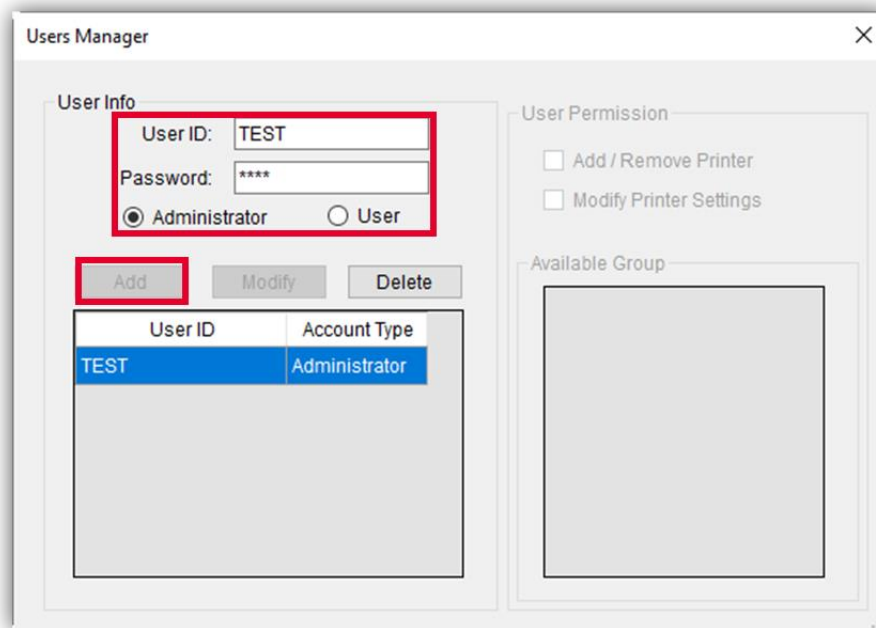
The interface shows a menu bar (Printers, Functions, Tools, Advanced, About) and a toolbar. A dropdown menu is set to "Group: GROUP 1". Below is a table of printer status:

|                          | Status | Printer   | Interface | Model | Version       | Serial | Mileage | Batt. Capacity | Batt. Life | Last Update       |
|--------------------------|--------|-----------|-----------|-------|---------------|--------|---------|----------------|------------|-------------------|
| <input type="checkbox"/> |        | PS-80E984 | USB       | TX210 | B1.23 EZD     |        | 0.0048  |                |            | 9/24/2020 3:13:54 |
| <input type="checkbox"/> |        | PS-E23C8E | USB       | MB340 | A2.12 EZD TCF |        | 0.1376  |                |            | 9/24/2020 3:13:53 |

## 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.



Users Manager

User Info

User ID: TEST

Password: \*\*\*\*

☒ Administrator ☐ User

Add Modify Delete

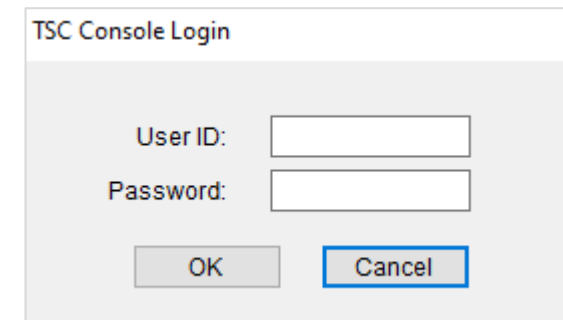
| User ID | Account Type  |
|---------|---------------|
| TEST    | Administrator |

User Permission

☐ Add / Remove Printer

☐ Modify Printer Settings

Available Group



TSC Console Login

User ID:

Password:

OK Cancel

## 5.3 Alert Manager

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

The Alert Manager window is divided into two main sections: Filters and Alert Data.

**Filters:**

- ☐ 2020/08/25 16:15:12 ~ 2020/09/24 16:15:12
- ☒

| Printer Name                                  |
|-----------------------------------------------|
| <input checked="" type="checkbox"/> PS-80E984 |
- ☒

| Alert Type                                       |
|--------------------------------------------------|
| <input checked="" type="checkbox"/> Out of Paper |

**Alert Data:**

| Time                 | Printer Name | Alert Type   |
|----------------------|--------------|--------------|
| 9/17/2020 2:30:08 PM | PS-80E984    | Out of Paper |

Field separator: TAB Character (ASCII 09)  Export

Line separator: CR LF (ASCII 0D 0A)  Clear

## 5.4 Manual Name Manager

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

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

Manual Name Manager

**Batch Modification**  
Prefix String:  Starting Number:

| Printer Name ▲ | Model                |   | Interface   | Manual Name (Editable) |
|----------------|----------------------|---|-------------|------------------------|
| PS-80E984      | <input type="text"/> | ψ | USB         | A                      |
| PS-E01DE6      | <input type="text"/> | ↔ | 10.0.10.202 | B                      |

Manual Name (Editable)  
Printer\_0  
Printer\_1

## 5.5 Preference

**Preference** provide users functions to adjust system settings and languages.

Preference

Run at Windows Startup

On/Off: OFF

Show Offline Printer

On/Off: ON

Auto Refresh Status

On/Off: ON

Time Interval: 5 min

Auto Renew IP Address

On/Off: ON

Subnet: Setup

Alert Log Retention Period

30

Days

Mainview Data Field

☒ Model Name

☒ Firmware Version

☒ Serial Number

☒ Printed Mileage

☒ Smart Battery Capacity

☒ Warning Threshold

20

%

☒ Smart Battery Life

☒ Last Update Time

Language

English

OK

Cancel

# 6. Revise History

| Date | Content | Editor |
|------|---------|--------|
|      |         |        |

