



TSC Console

User Manual

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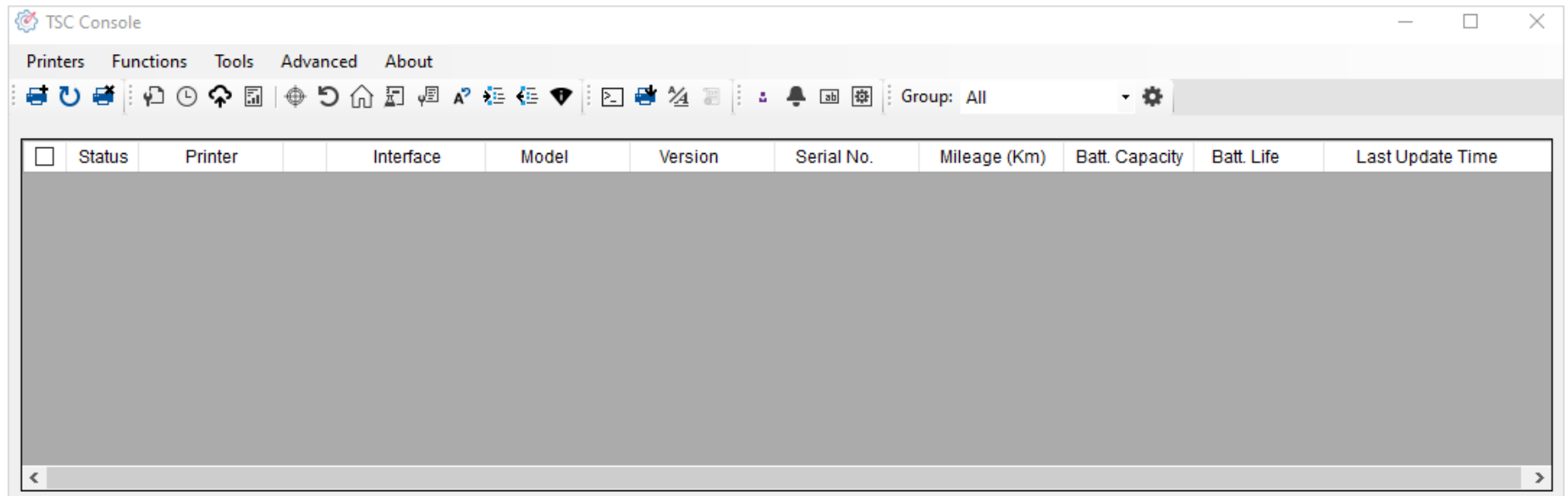
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1. Getting Started

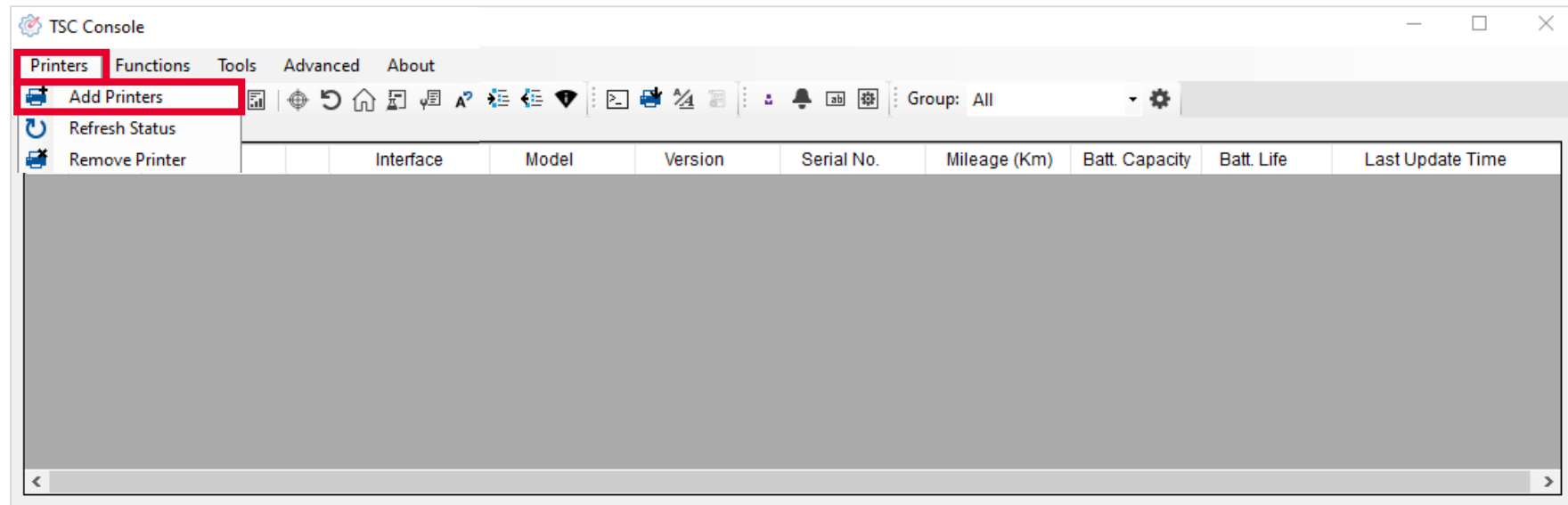
1. Unzip the **TSC Console** file.
2. **Double Click** to enter **TSC Console** interface.



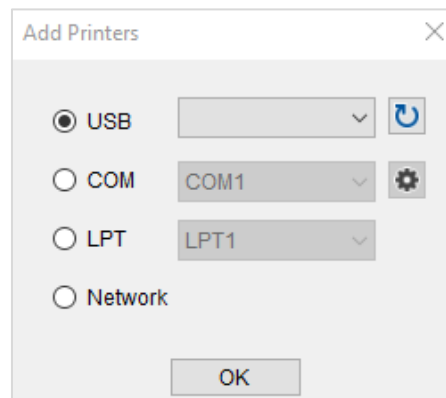
2. Interface Setup

2.1 USB

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



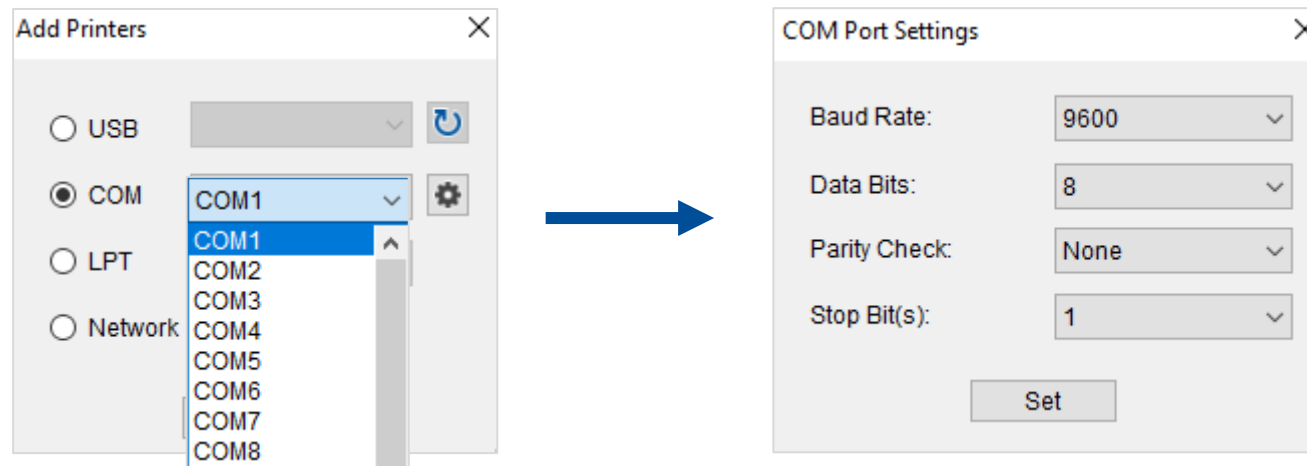
2. Select **USB** and click **OK** to find the device.



2.2 Com Port (RS232 and Bluetooth)

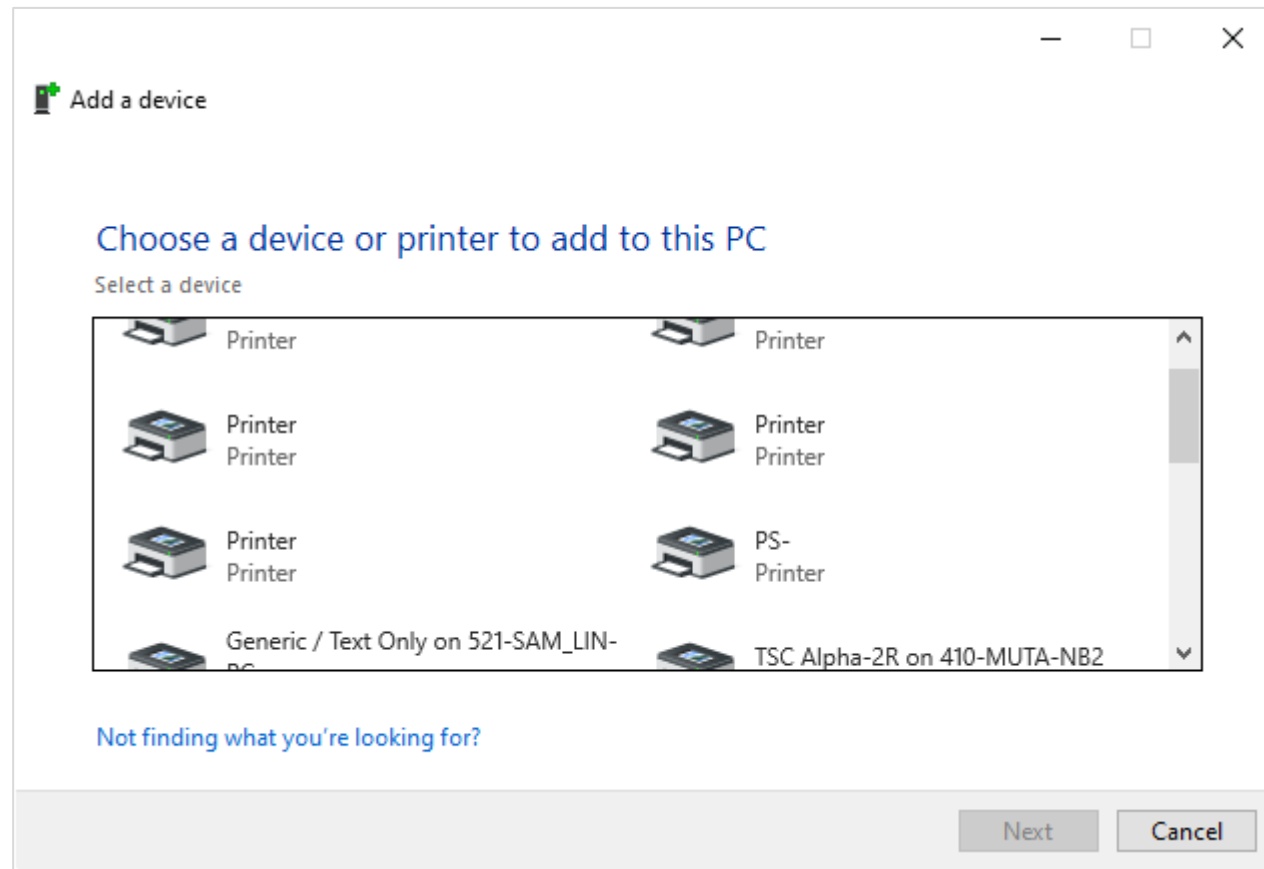
RS232:

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

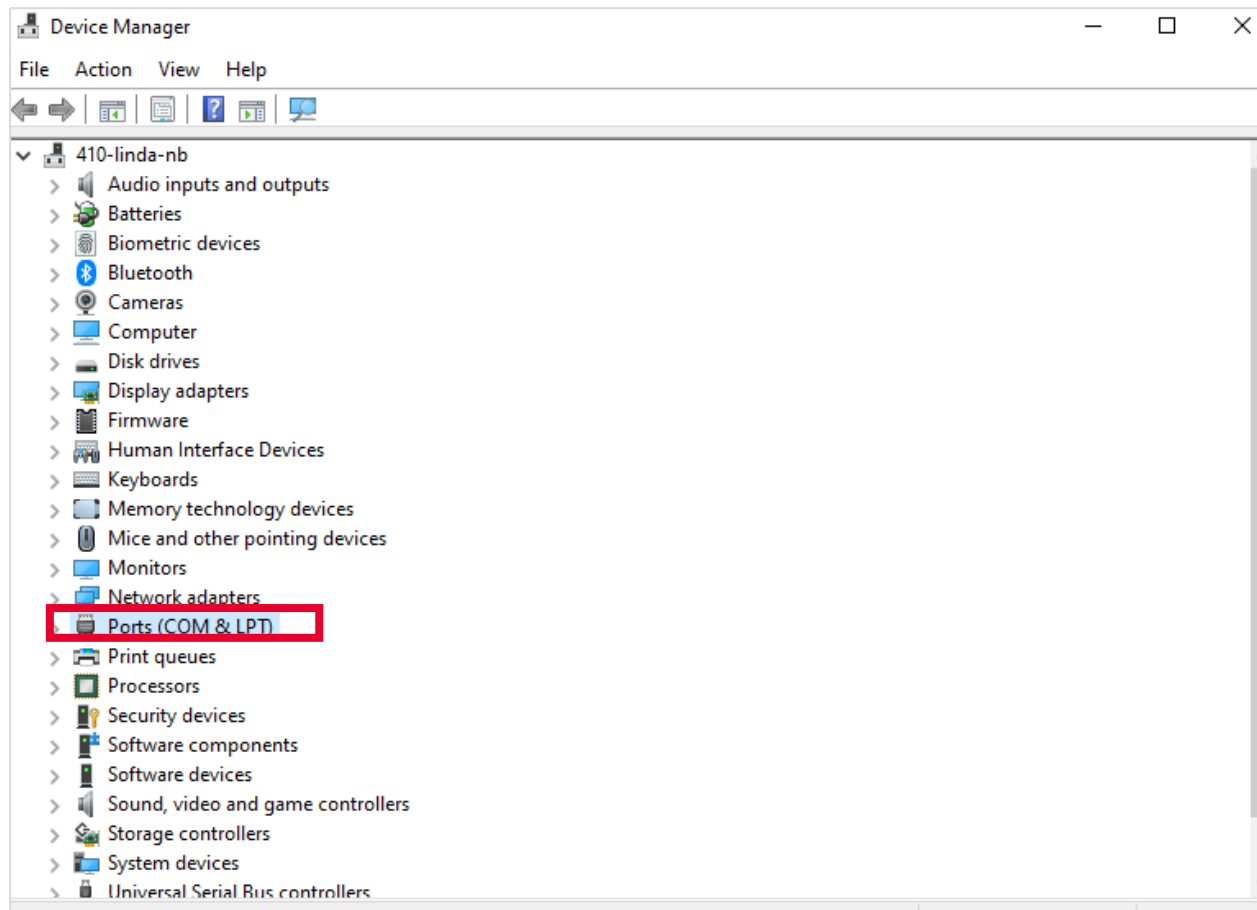


Bluetooth:

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



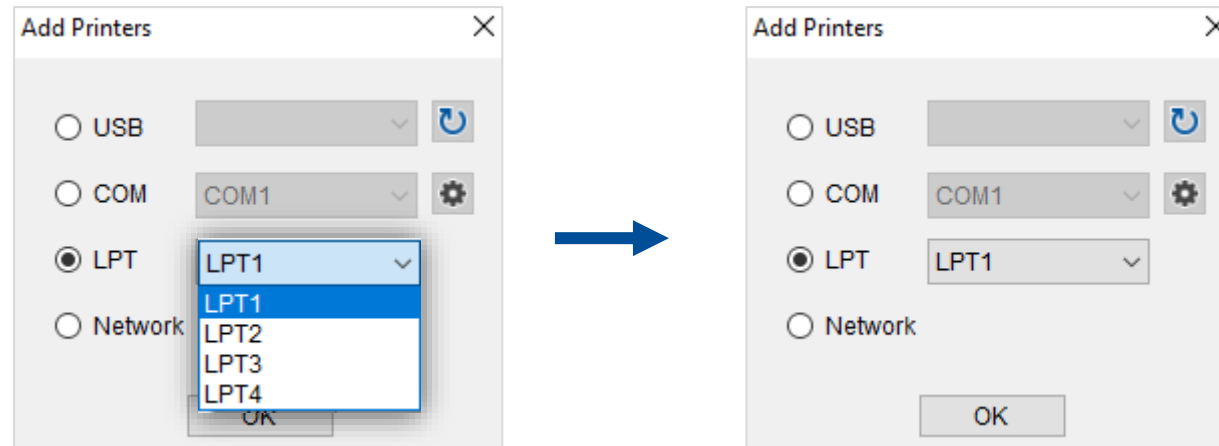
2. [Control Panel] → [Hardware and Sound] → [Devices and Printers] → [Device Manager] (Check COM Port)



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**.

The screenshot shows the 'Printer Configuration' window with the 'Printer Configuration' tab selected. The window is divided into several sections:

- Printer Function:** A vertical list of buttons on the left including 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, and Get Status.
- Printer Configuration:** The main area containing various settings.
 - Version:** [Redacted]
 - Serial No.:** [Redacted]
 - Checksum:** 09B74B94
 - Ribbon Remaining:** [Redacted] m
 - Label Count:** 1624808
 - Cutting Counter:** 0
 - Mileage (Km):** 301.9477
 - TPH Serial Number:** N/A
 - TPH Odometer:** N/A
 - Cutter Serial Number:** N/A
- Common Settings:** A section with tabs for Common, RS-232, Bluetooth, Wi-Fi, Ethernet, SMTP, and SNTP. The 'Common' tab is active, showing settings like Speed (2), Density (10), Paper Width (4.00 inch), Paper Height (2.51 inch), Media Sensor (GAP), Gap (0.12 inch), Post-Print Action (TEAR), Reference (0), Direction (0), Offset (0 dot), Shift X (0 dot), Shift Y (0 dot), Code Page (850), and Country Code (001). It also includes settings for 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), Bline Inten. (2), Continuous Inten. (4), Threshold Detection (AUTO), Print Quality, Standby Time, and Sleep Time.

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

Common

RS-232

Bluetooth

Wi-Fi

Ethernet

SMTP

SNTP

☒ DHCP

☐ Static IP

IP Address:

10.0.10.181

Subnet Mask:

255.255.255.0

Gateway:

10.0.10.251

MAC Address:

00-1B-82-E0-12-2A

Set

Primary DNS IP:

Set

Secondary DNS IP:

Printer Name:

PS-E0122A

Set

Raw Port:

9100

Set

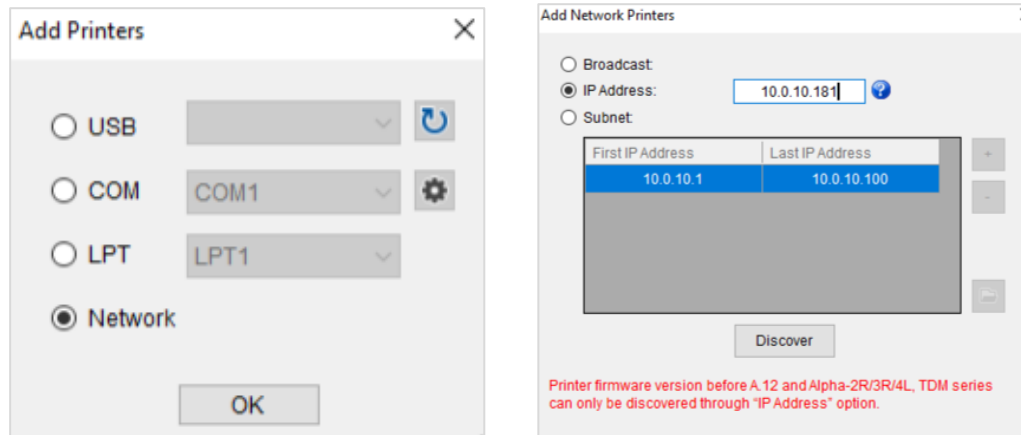
Set

Get

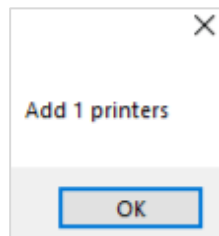
- 4.** Return to **TSC Console** main page → Click **Printer** → Select **Add Printers**.



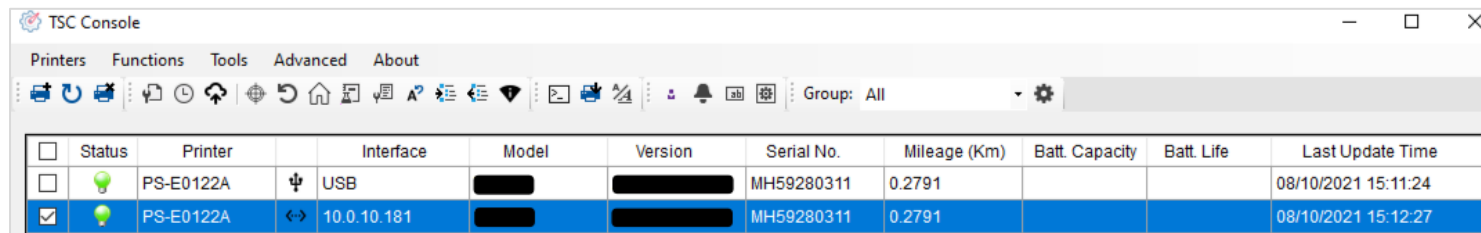
5. Choose **Network** → Key in the **IP Address** → Click **Discover** to establish the Ethernet interface.



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

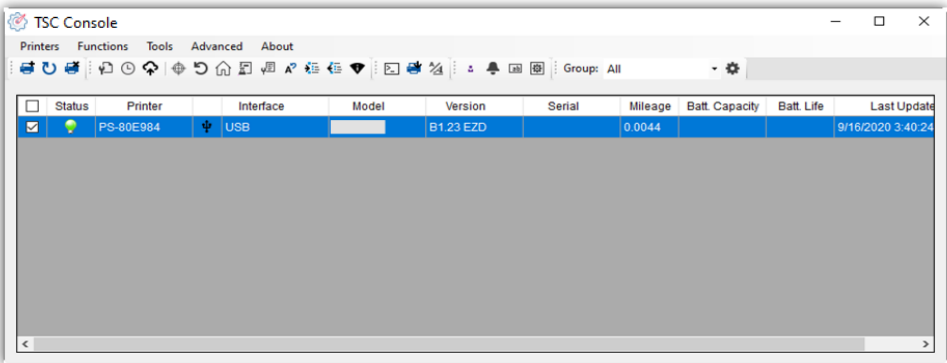


7. The **Ethernet** interface will be shown on **TSC Console**.

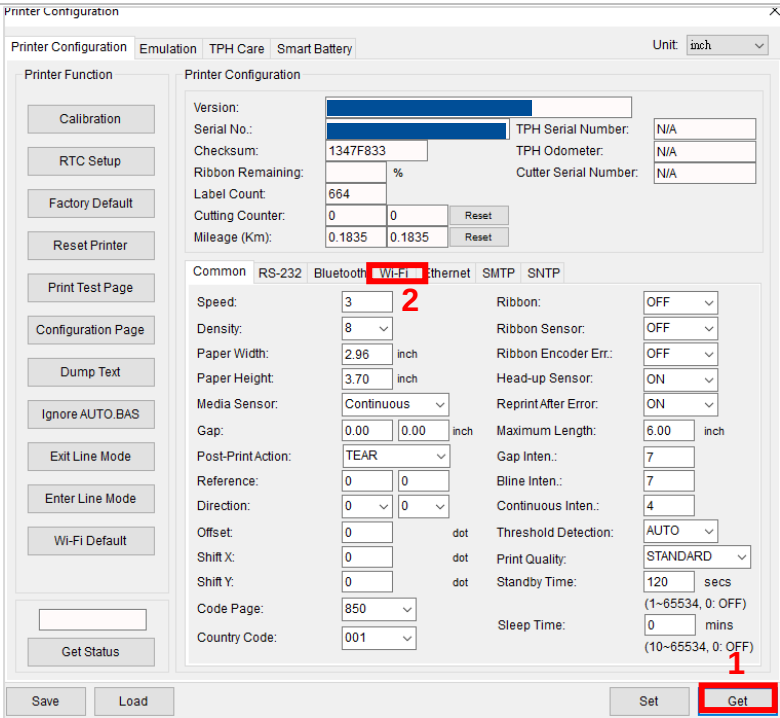


Network (WiFi)

- 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.

Common RS-232 Bluetooth Wi-Fi Ethernet SMTP SNTP

Built-in Wi-Fi Module

SSID: SSID_1

WLAN Encryption: WPA-Personal

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

MAC Address: 00:1B:82:FF:15:3C

EAP Type:

Username:

Password:

CA Certificate:

Client Certificate:

Private Key:

EAP-FAST PAC:

File Name Browse

Wi-Fi Version: 3.7.1.0R6

RSSI: 0

Set Get

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.

Common RS-232 Bluetooth Wi-Fi Ethernet SMTP SNTP

Built-in Wi-Fi Module

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

MAC Address: 00:1B:82:FF:15:3C

EAP Type:

Username:

Password:

CA Certificate:

Client Certificate:

Private Key:

EAP-FAST PAC:

File Name Browse

Wi-Fi Version: 3.7.1.0R6

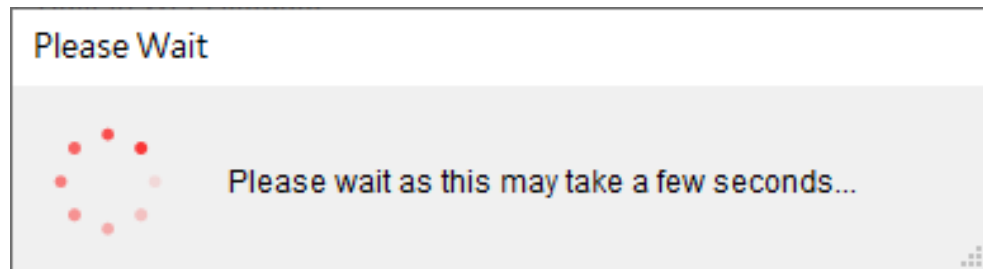
RSSI: 0

Set Get

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.

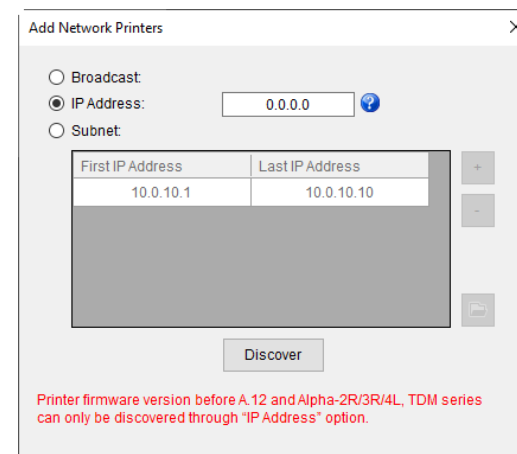


6. IP address will be shown in the "IP address" field and the Wi-Fi logo and IP address will be displayed on the LCD-supported models.

Note:

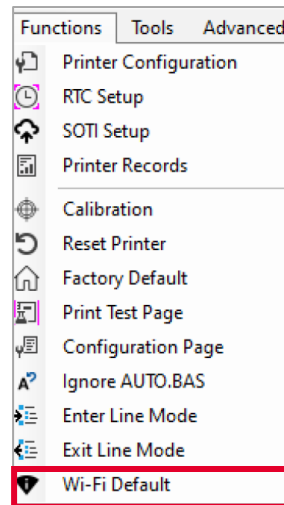
IP address should be shown within about 5~15 seconds after printer turn on. If not, please refer to steps below to initialize the printer Wi-Fi module settings then to setup it again.

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.



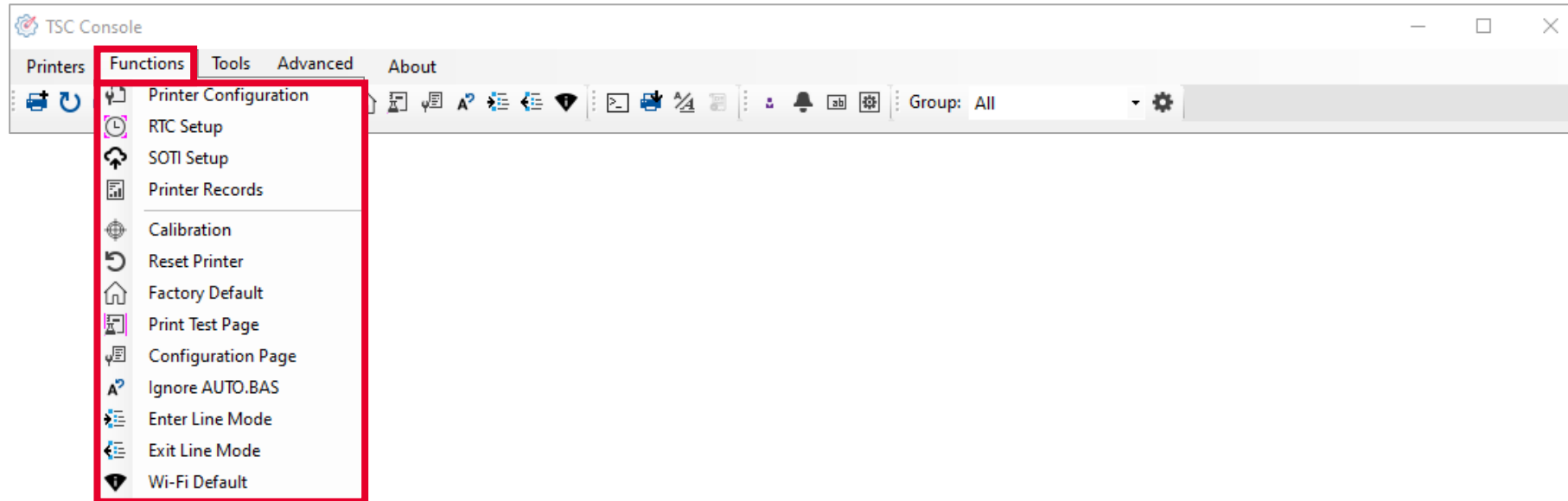
2.3.1 Initialize the Printer WiFi Setting

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:

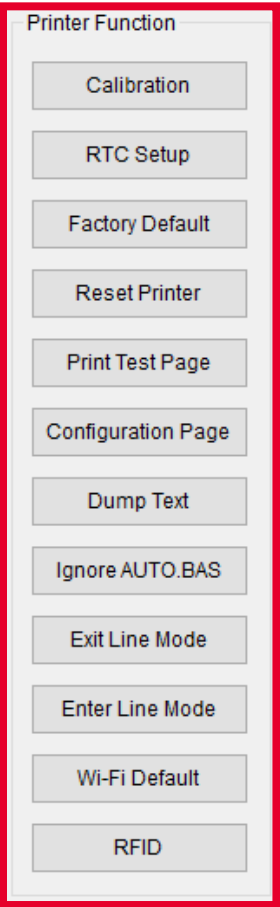
Print Quality:

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 setup interface. The settings are organized into two main columns. The left column contains settings for speed, density, paper size, media sensor, post-print action, and region code. The right column contains settings for ribbon, ribbon sensor, head-up sensor, reprint after error, gap intensity, bline intensity, continuous intensity, threshold detection, print quality, standby time, and sleep time. Blue callout boxes with white text point to specific settings, and red boxes highlight groups of settings.

Setting	Value
Speed:	[]
Density:	[]
Paper Width:	[] mm
Paper Height:	[] mm
Media Sensor:	[]
Gap:	[] mm
Post-Print Action:	[]
Reference:	[]
Direction:	[]
Offset:	[] dot
Shift X:	[] dot
Shift Y:	[] dot
Code Page:	[]
Country Code:	[]
Ribbon:	[]
Ribbon Sensor:	[]
Ribbon Encoder Err.:	[]
Head-up Sensor:	[]
Reprint After Error:	[]
Maximum Length:	[] mm
Gap Inten.:	[]
Bline Inten.:	[]
Continuous Inten.:	[]
Threshold Detection:	[]
Print Quality:	[]
Standby Time:	[] mins
Sleep Time:	[] mins (10~65534, 0: OFF)

Callouts:

- Set printing speed and Density
- Set media's size
- Set media sensor and gap value
- Set printer's action and direction
- Set the region code
- Set ribbon sensor
- Set printer behaviors
- Set intensity of media sensor
- Exclusive settings for mobile printer

Buttons: Set, Get

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
Baud Rate: Data Bits: Parity: Stop Bit(s):						

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: 'Built-in Bluetooth Information' with fields for BT Name, BT Pair Mode (a dropdown), BT Pin Code, BT MAC Address, and BT Version; 'External Bluetooth Module' with a 'Setup' button; and 'XPico270 Module' with 'Enable BT' and 'Disable BT' buttons. Red boxes highlight each of these three sections. Blue arrows point from each red box to a corresponding blue callout box on the right: 'Bluetooth information' for the first section, 'Setup for External Bluetooth Module' for the second, and 'Enable/Disable the Bluetooth on Xpico WiFi+BT combo module' for the third. At the bottom of the window are 'Set' and 'Get' buttons.

Common RS-232 Bluetooth Wi-Fi Ethernet SMTP SNTP

Built-in Bluetooth Information

BT Name:

BT Pair Mode:

BT Pin Code:

BT MAC Address:

BT Version:

External Bluetooth Module

Setup

XPico270 Module

Enable BT Disable BT

Set Get

Bluetooth information

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.

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:

Wi-Fi Version:

Printer Name:

RSSI:

MAC Address:

Set

Get

3.1.7 Printer Setup - Ethernet

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

Common	RS-232	Bluetooth	Wi-Fi	Ethernet	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:						
SMTP Authentication:						
☐ Disable						
☐ Enable						
User Name:						
Password:						
Sender E-mail Address:						
Receiver E-mail Address:						
Error Notification: ☐ On ☐ Off						
Notify Mileage Interval: 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).

Common	RS-232	Bluetooth	Wi-Fi	Ethernet	SMTP	SNTP
Synchronize Clock: ☐ ON ☐ OFF						
SNTP Server 1:						
SNTP Server 2:						
SNTP Server 3:						
Update Interval:			Hour		Minute	(Ethernet Only)
Time Zone:		▼				

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 two sub-tabs: 'Z' and 'D'. The 'D' sub-tab is selected and highlighted with a red box. A blue arrow points from this 'D' sub-tab to a smaller, overlapping window that also has the 'Emulation' tab selected. This smaller window contains settings for 'DPL' language. The settings include: 'Heat' (0 ~ 30), 'Print Speed' (empty field), 'Label Width' (empty field, mm), 'Present Sensor' (dropdown), 'Cutter Equipped' (dropdown), 'Control Codes' (dropdown), 'Column Offset' (empty field, mm), and 'Row Offset' (empty field, mm). A 'Set' button is located to the right of these settings. At the bottom of the main window, there are buttons for 'Save', 'Load', 'Set', and 'Get'.

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 has four tabs: 'Printer Configuration', 'Emulation', 'TPH Care', and 'Smart Battery'. The 'Unit' is set to 'inch'. The 'TPH Care Auto Protection' is set to 'ON'. The 'Unhealthy TPH dot number: (Current)' is 0. The 'Unhealthy TPH dot number: (Warning Condition)' is 1. There is an 'Increase to Current+1' button. A diagram of the print head is shown, with a red line indicating the relative position of the unhealthy TPH dot. Below the diagram 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.

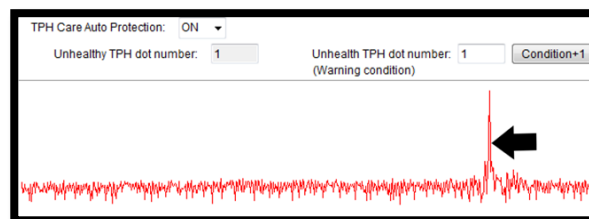
This image is used to check the relative position of the unhealthy TPH dot.

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

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

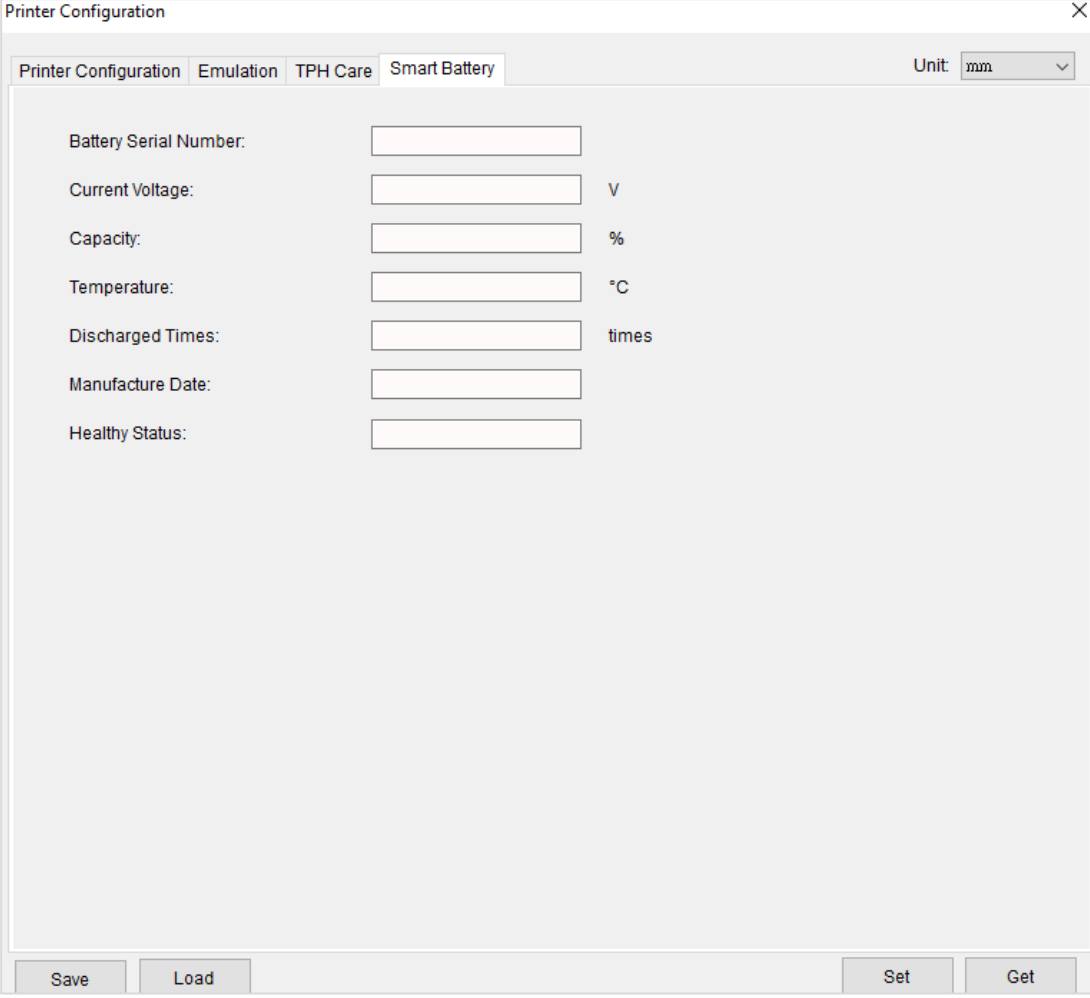
This option is used to print a TPH test image to check the TPH printing result.

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 tab contains seven rows of battery-related information, each with a label, a text input field, and a unit:

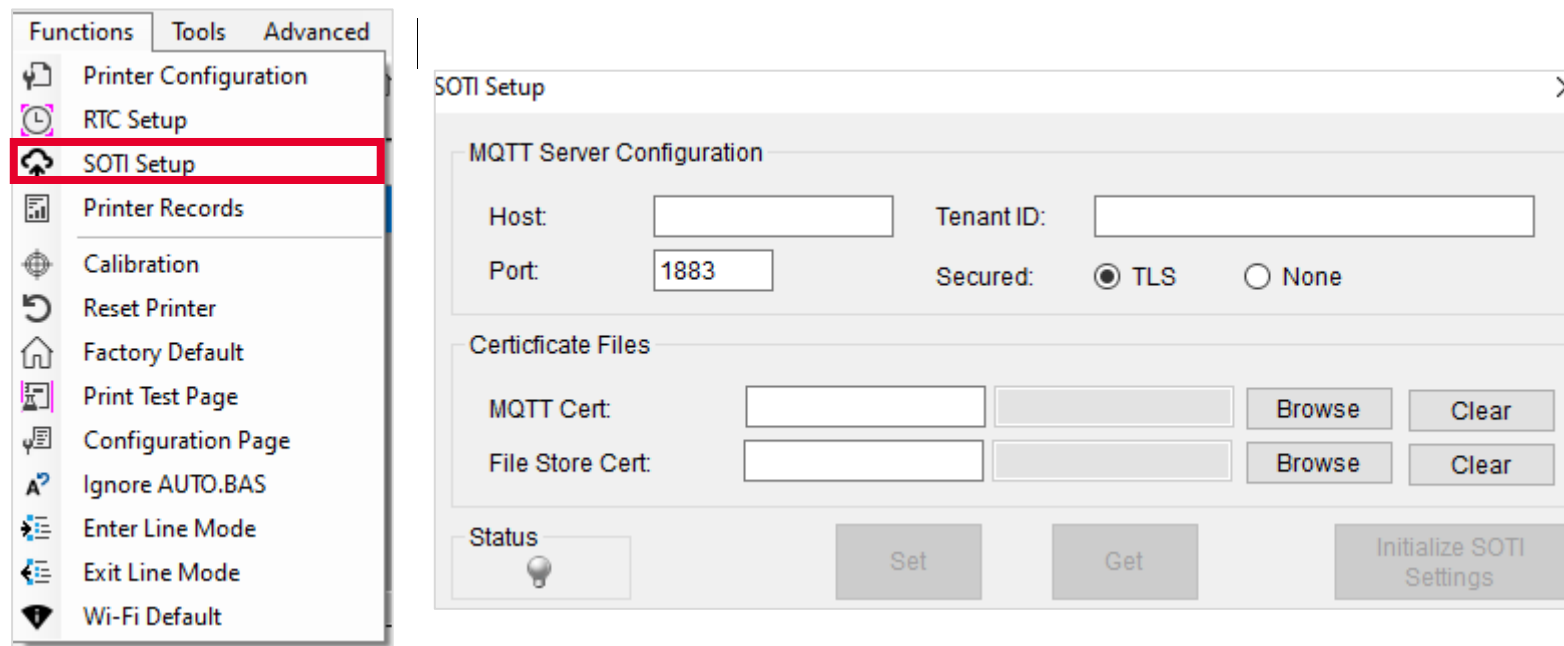
Label	Input Field	Unit
Battery Serial Number:		
Current Voltage:		V
Capacity:		%
Temperature:		°C
Discharged Times:		times
Manufacture Date:		
Healthy Status:		

At the bottom of the window, there are four buttons: "Save", "Load", "Set", and "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'. A blue box on the left says 'Available information that can be checked'. The table below shows printer records. A blue box in the middle of the table says 'Data information will display on this area'. The table has columns: Time, Printer Name, Interface, Model Name, Status, IP Address, and Firmware Ver. The bottom of the window shows pagination: '<<' '<' '1 / 3' '>' '>>'.

Filter by name or interface

Name: PS-FF02BF
Interface: USB

Clear Records: [trash icon]
Export: [document icon]

Clear or export the data

Start: 2022/ 1/ 1 End: 2022/

Available information that can be checked

Raw Data | Life Cycle | Media Usage | TPH resistance profile

Unit: inch Hide Offline

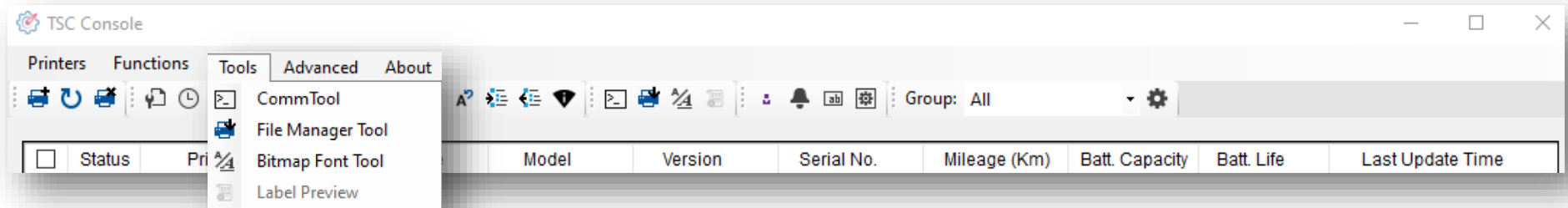
Time	Printer Name	Interface	Model Name	Status	IP Address	Firmware Ver
2022/1/19 2:04:34 PM	PS-FF02BF	USB	DA200	Ready	-	A2.12 EZD
2022/1/19 1:59:18 PM	PS-FF02BF	USB	DA200	Ready	-	A2.12 EZD
2022/1/19 1:54:02 PM	PS-FF02BF	USB	DA200	Ready	-	A2.12 EZD
2022/1/19 1:48:45 PM	PS-FF02BF	USB	DA200	Ready	-	A2.12 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

Data information will display on this area

<< < 1 / 3 > >>

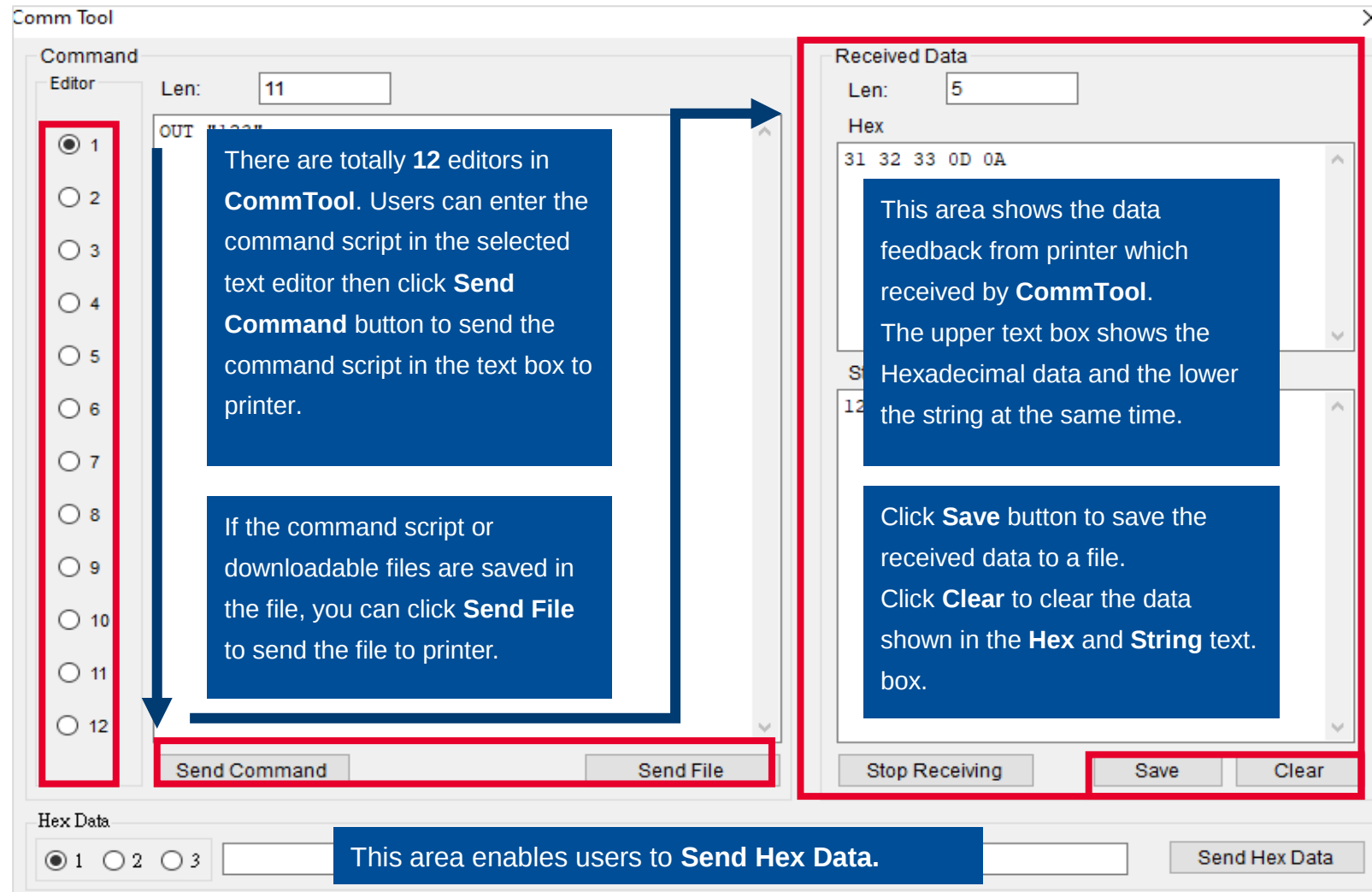
4. Tools

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. It features two main tabs: 'File Download' and 'File Information', both highlighted with red boxes. The 'File Download' tab on the left includes fields for 'File Type' (a dropdown menu), 'File Name' (a text input), 'File Size' (a text input followed by 'Bytes'), 'Memory Device' (a dropdown menu currently set to 'FLASH'), and a 'Save to file:' checkbox. A 'Download' button is positioned at the bottom of this section. The 'File Information' tab on the right shows the 'Printer' as 'PS-80E984' and the 'Memory Device' as 'FLASH' (selected among DRAM, FLASH, CARD, and USB). It includes a large empty box for file listings, 'Physical Space' and 'Free Space' indicators (each with a text input and 'KB' label), and buttons for 'Remove', 'Get', and 'Format'.

- **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.

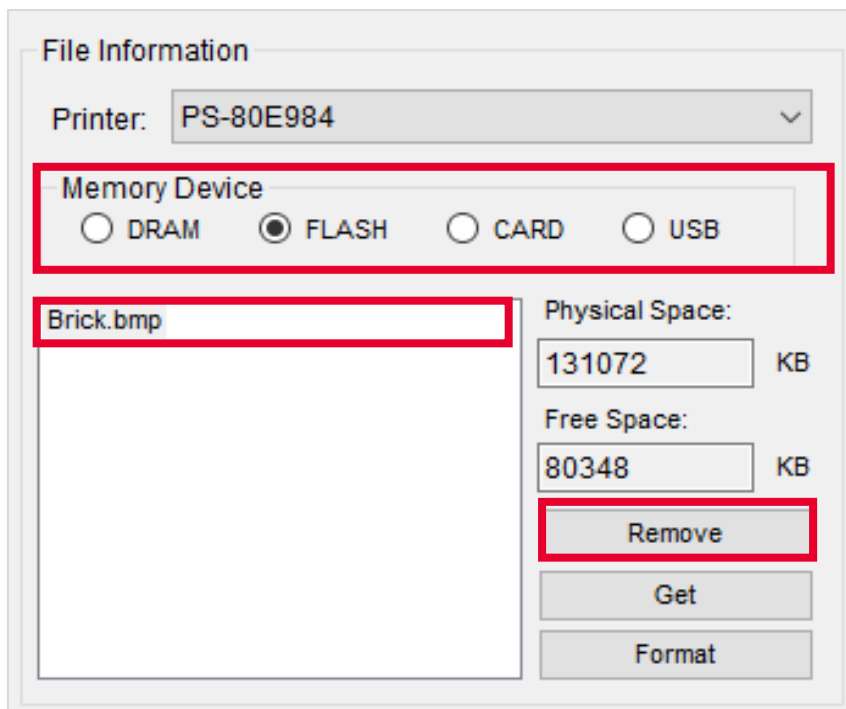
Note: BMP, PCX, True Type Font, Bitmap Font, Printer BASIC File, and Data File will automatically generate the header and save to specified memory device through **File Manager** before downloading.

- 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:

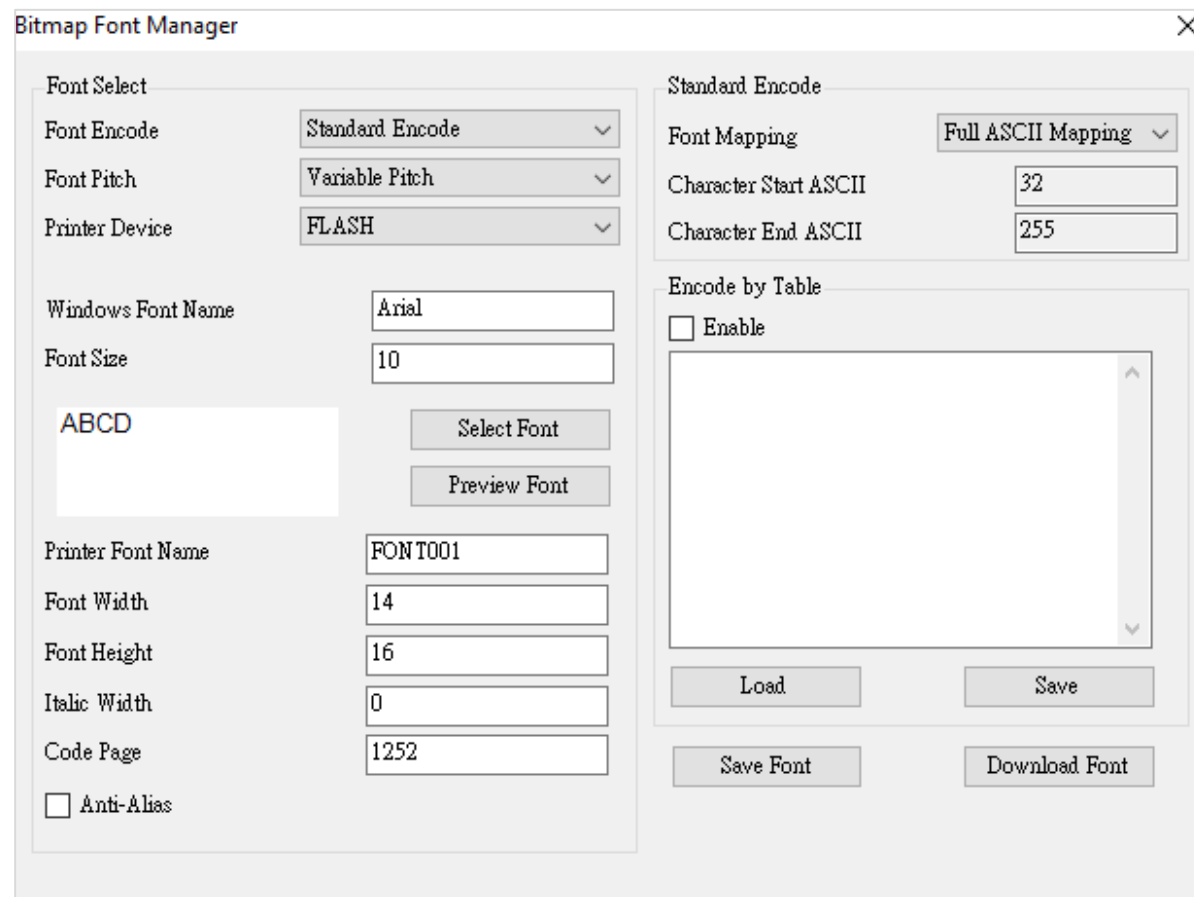
1. Specify the **Memory Device** and click **Get**.
2. Delete the file by clicking **Remove**.
3. Click **Format** to clean the memory.



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' (highlighted with a red rectangle), 'Get', and 'Format'.

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.



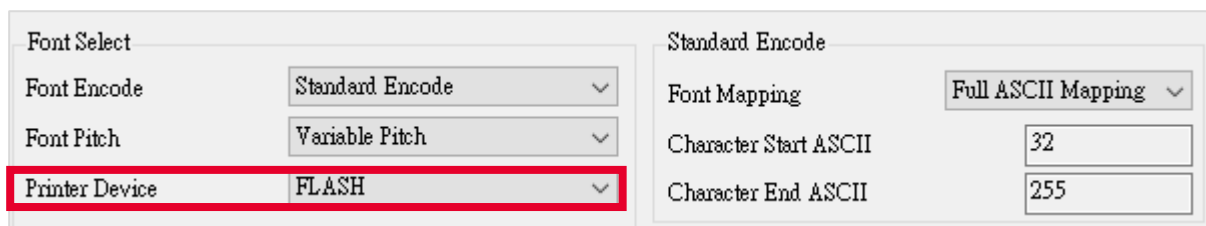
The screenshot shows the 'Bitmap Font Manager' dialog box with the following settings:

- 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

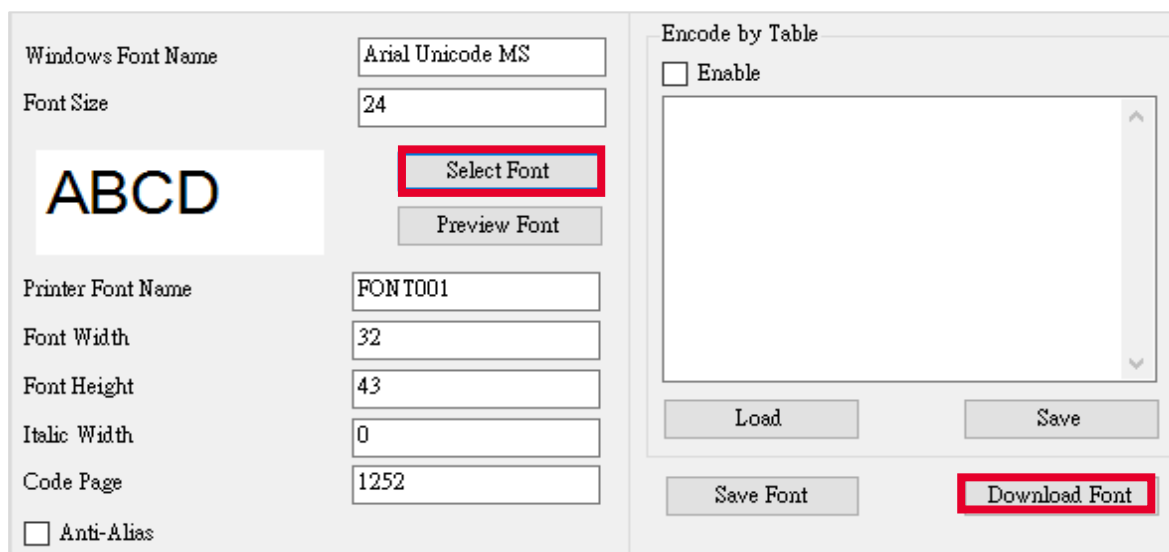
Standard Encode

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

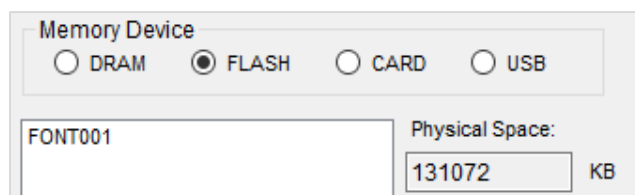
Encode by Table

☐ Enable

Load Save

Save Font **Download Font**

3. Check **File Manager**.



Memory Device

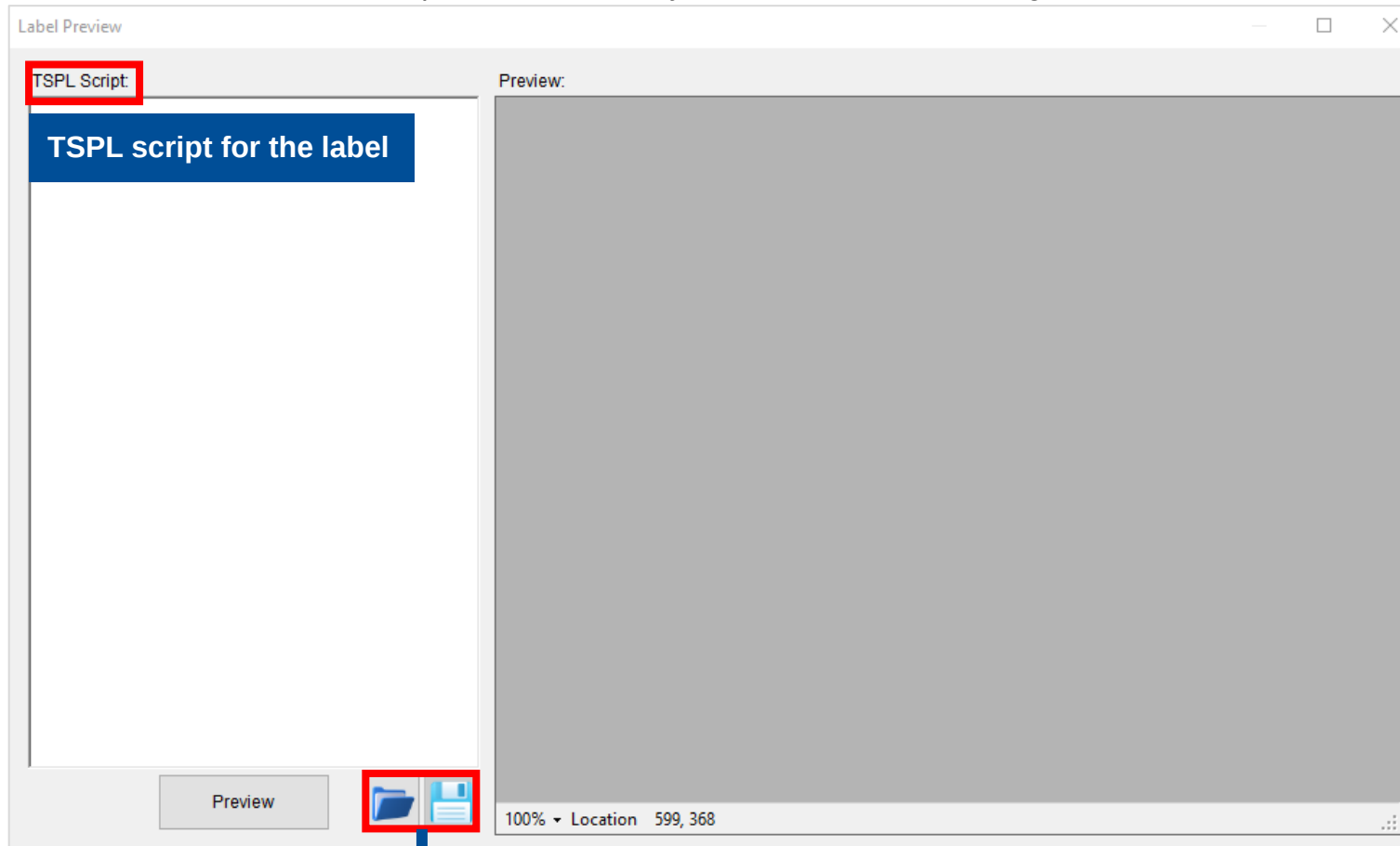
☐ DRAM ☒ FLASH ☐ CARD ☐ USB

FONT001

Physical Space: 131072 KB

4.4 Label Preview

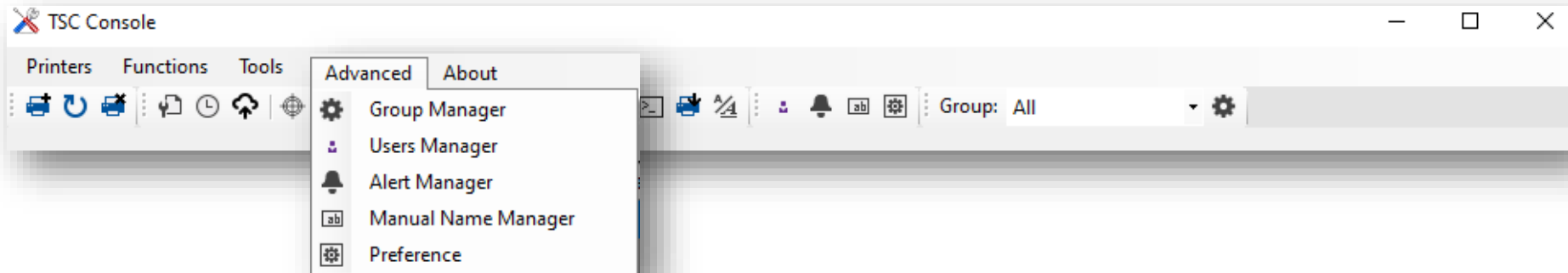
Label Previes enables user to preview the label by TSPL command or loading the file.



Load the file / Save TSPL script

5. Advanced

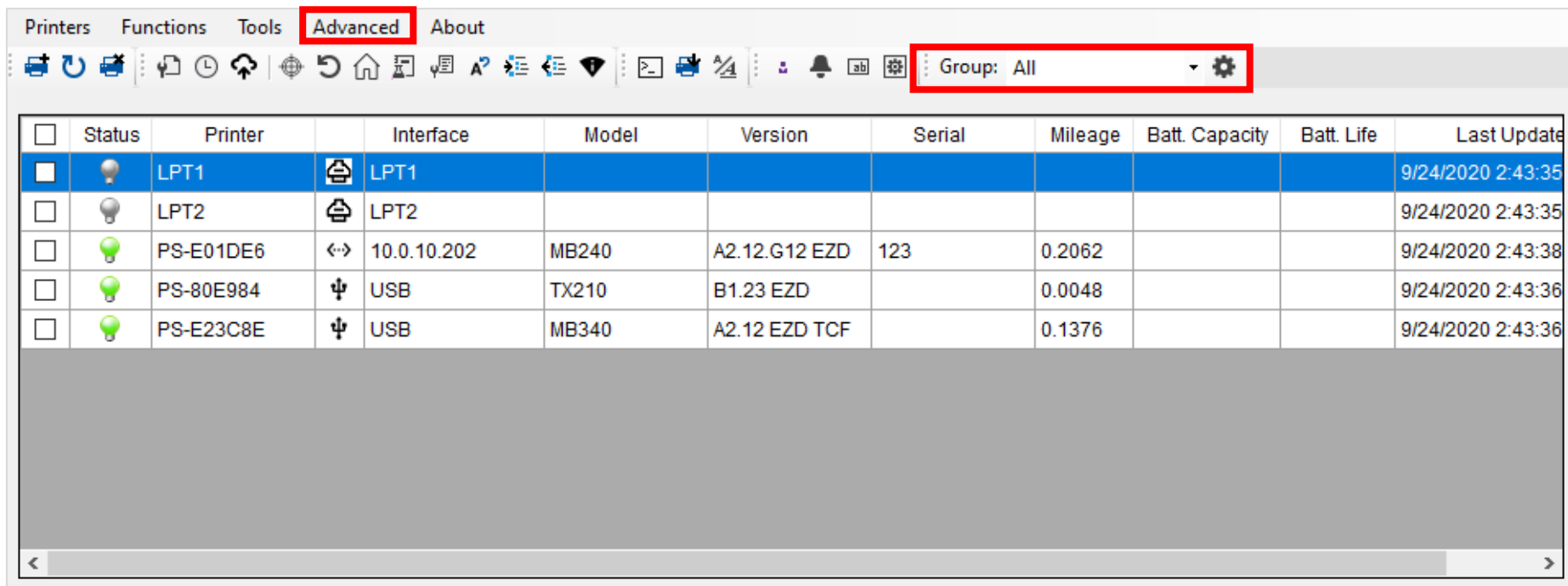
In **Advanced** section, users are able to set the group setting, set the password and alert, and adjust preference through TSC console to the printer.



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.

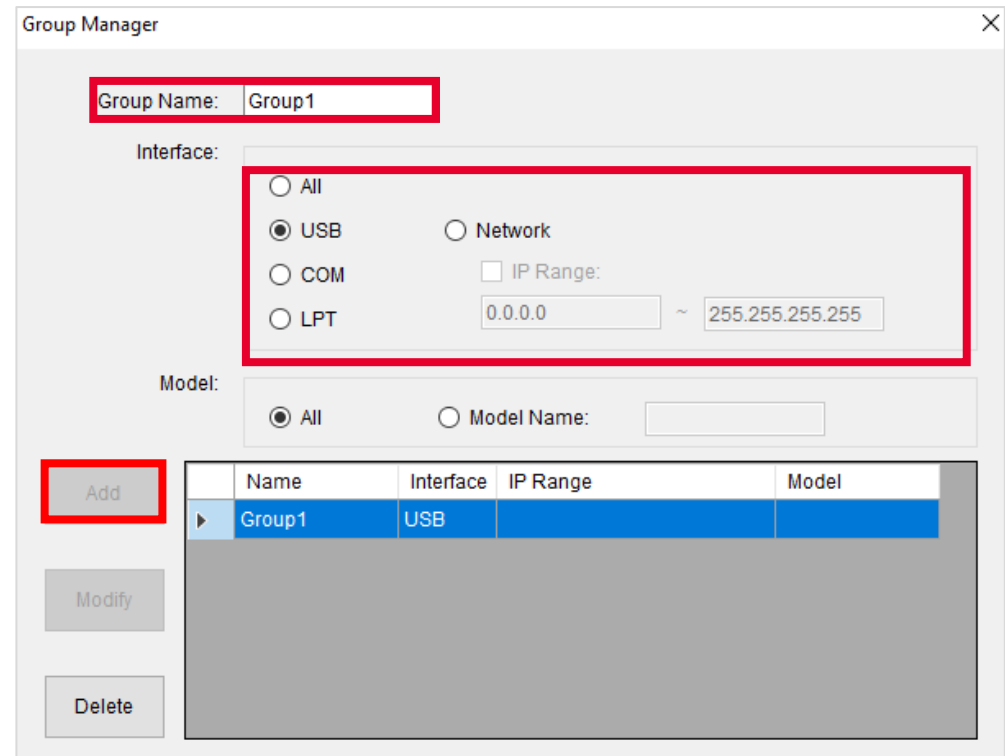


The screenshot displays the 'Group Manager' interface. At the top, there is a menu bar with 'Printers', 'Functions', 'Tools', 'Advanced' (highlighted with a red box), and 'About'. Below the menu bar is a toolbar with various icons. On the right side of the toolbar, there is a 'Group: All' dropdown menu (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 gray area, likely for additional settings or a detailed view of the selected printer.

☐	Status	Printer		Interface	Model	Version	Serial	Mileage	Batt. Capacity	Batt. Life	Last Update
☐		LPT1		LPT1							9/24/2020 2:43:35
☐		LPT2		LPT2							9/24/2020 2:43:35
☐		PS-E01DE6		10.0.10.202	MB240	A2.12.G12 EZD	123	0.2062			9/24/2020 2:43:38
☐		PS-80E984		USB	TX210	B1.23 EZD		0.0048			9/24/2020 2:43:36
☐		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**.

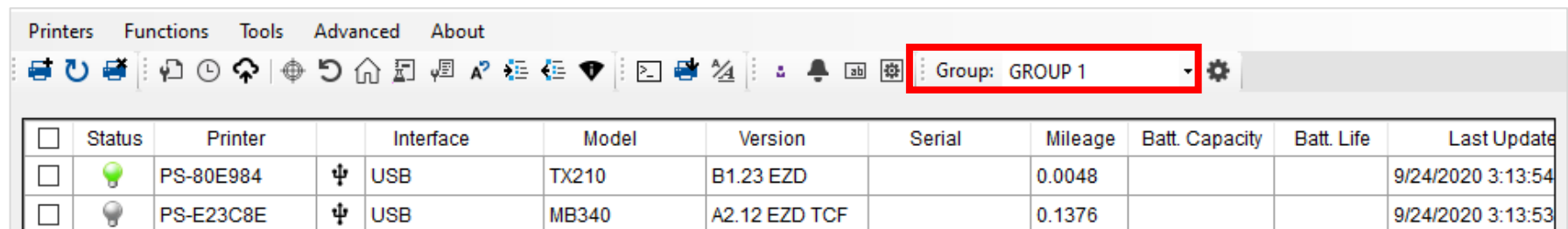


The Group Manager dialog box is shown with the following settings:

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

The Add button is highlighted. Below the settings is a table showing the current configuration:

Name	Interface	IP Range	Model
Group1	USB		



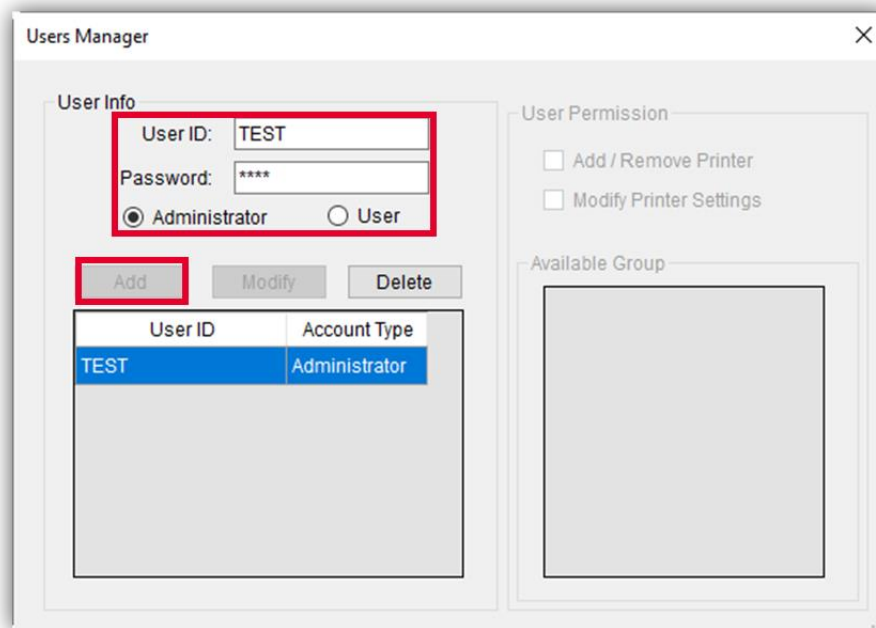
The printer management software interface shows the following table:

Status	Printer	Interface	Model	Version	Serial	Mileage	Batt. Capacity	Batt. Life	Last Update
☐	PS-80E984	USB	TX210	B1.23 EZD		0.0048			9/24/2020 3:13:54
☐	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

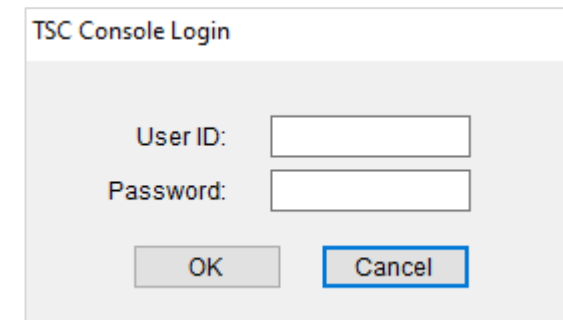
User ID	Account Type
TEST	Administrator

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:

- A date range filter is set from 2020/08/25 16:15:12 to 2020/09/24 16:15:12.
- Two selection lists are present:
 - Printer Name:** A list with one item, "PS-80E984", which is selected with a checkbox.
 - Alert Type:** A list with one item, "Out of Paper", which is selected with a checkbox.

Alert Data:

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

At the bottom of the window, there are options for exporting the data:

- Field separator: TAB Character (ASCII 09)
- Line separator: CR LF (ASCII 0D 0A)
- Buttons: Export and 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		ψ	USB	A
PS-E01DE6		↔	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

