

# RapidScan ST-5 series User Manual

# Notice:

Please make sure that there are no children around while using the reader.

# 1.Installation

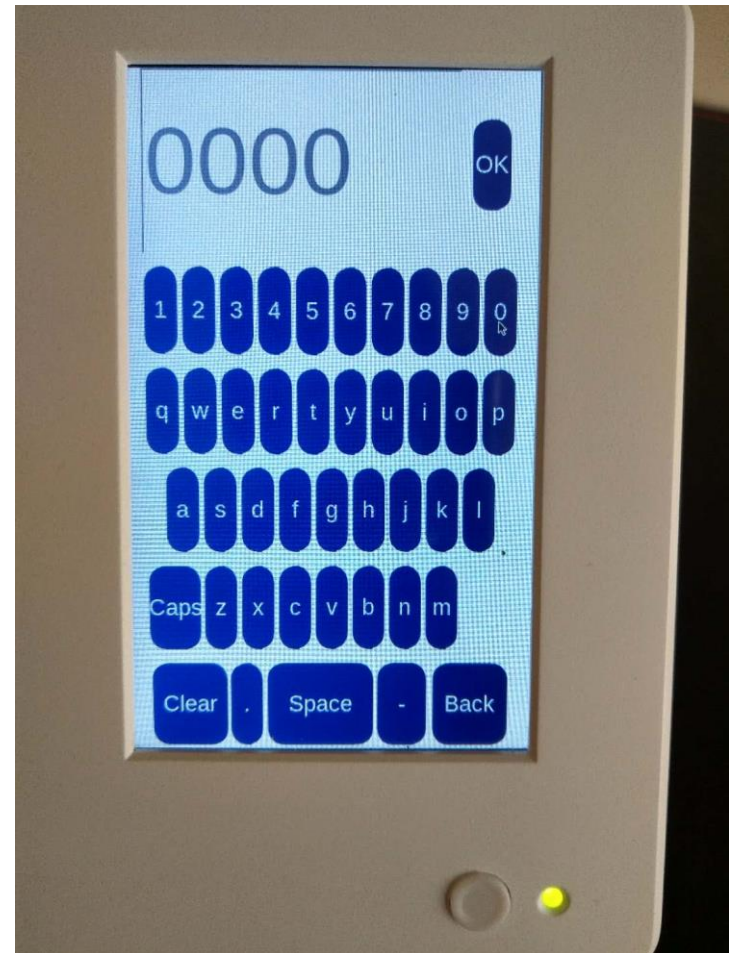
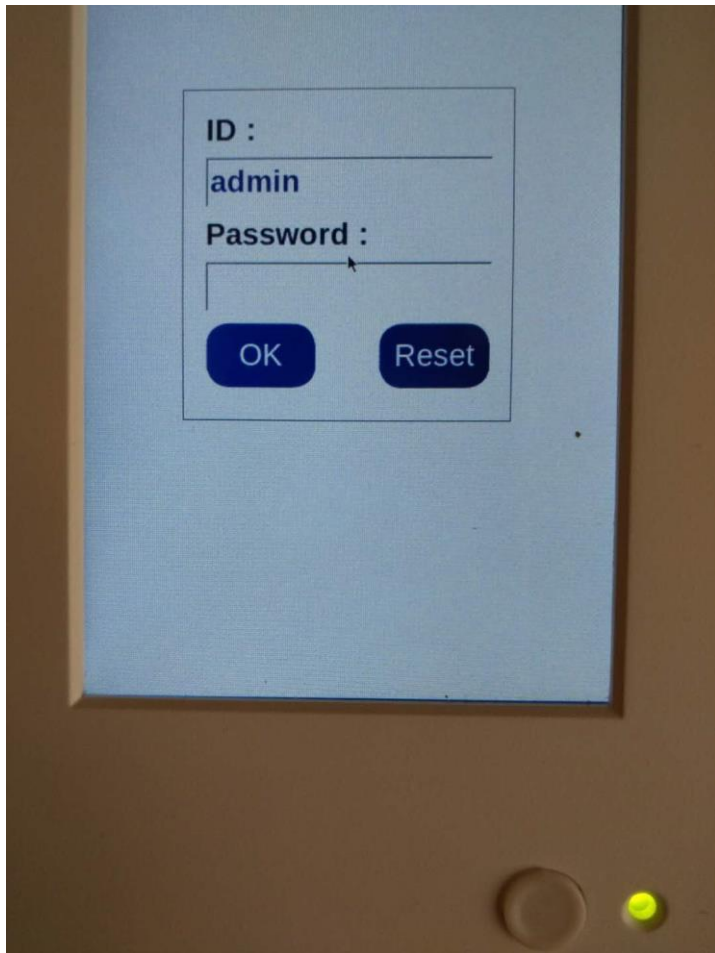


- Connect to power
- Press power button to power on reader
- Login UI will appear after reader is power on & activated completely.

USB port x 1

With USB pen-drive user can do data output and F.W update

## 2.Login in: input ID/PW to log in



# 3. Operation UI

The screenshot displays the Operation UI with the following elements and annotations:

- Sample info:** Preset sample information. The UI shows "Sample\_2C3T\_1" and "SN:A1796".
- Image of test:** A photograph of a test strip with two lines, one red and one blue.
- Channel indication:** Indication of channel # of single or multi channel kit. The UI shows "1/1".
- View and Export data:** Check analysis data history. Data can be exported. The UI shows buttons for "Database", "Print", and "Setting".
- Battery status:** Indicated by a battery icon in the top right corner.
- Profile selection:** Indicated by a button labeled "Sample Info".
- Analysis:** Click to get Instant analysis result. The UI shows a button labeled "Analysis".
- Delay Analysis:** Can set time for delay analysis. The UI shows a button labeled "Delay Analysis".
- Real Time Analysis:** Click to activate automatic analysis. The UI shows a button labeled "Real Time Analysis".
- Result columns:** T-1: T line value, C: C line value, Result: Positive or Negative or value depends on setting. The UI shows "Result : 2871.460449", "C : 3648", and "T : 2871".
- Setting:** to set reader's parameters. The UI shows a button labeled "Setting".

Support certain type of USB printer



# 4. Analysis

## Select profile

Select test kit for analysis

## Click Analysis or Delay Analysis

Wait for reader to analyze result. Result & image will be presented within 1 minute.

## To check each channel's result please click this icon to select other channel

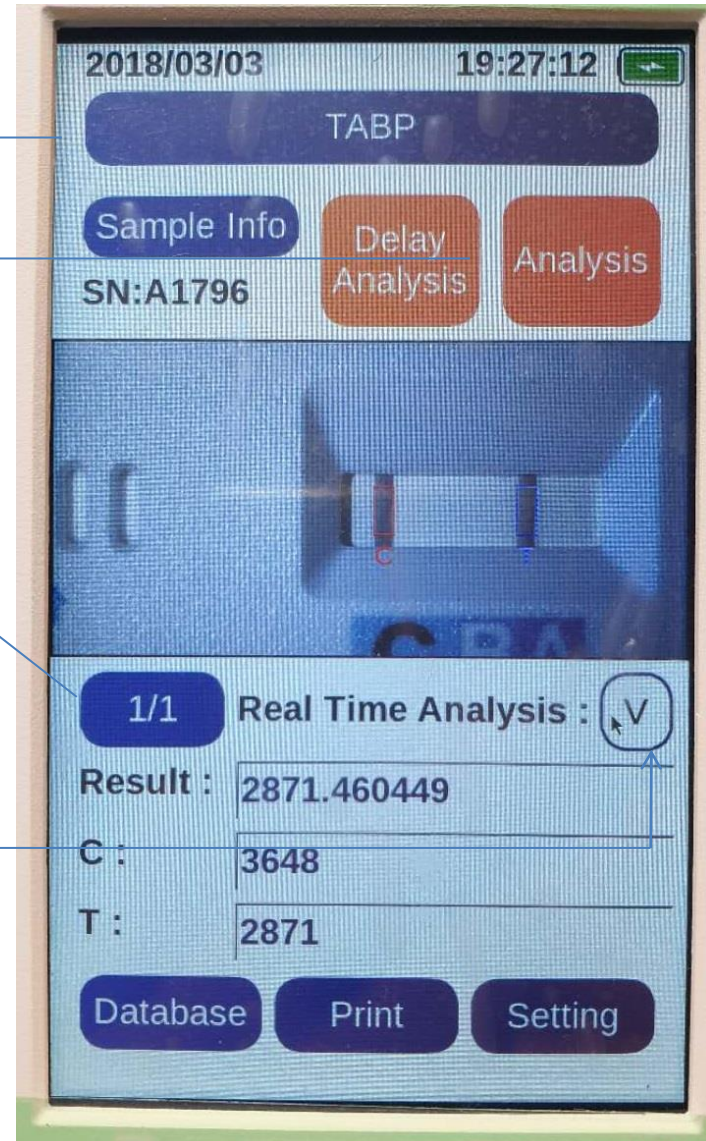
1/1: means single channel kit

1/3: means 1<sup>st</sup> channel of 3 channel kit

2/3: mean 2<sup>nd</sup> channel of 3 channel kit

## Real Time Analysis:

When activate "Real Time Analysis", there is no need for user to click "Analysis". Simply insert the kit into reader and reader would automatically analyze kit.



# 5. Setting

**About:** Present reader's software and hardware version

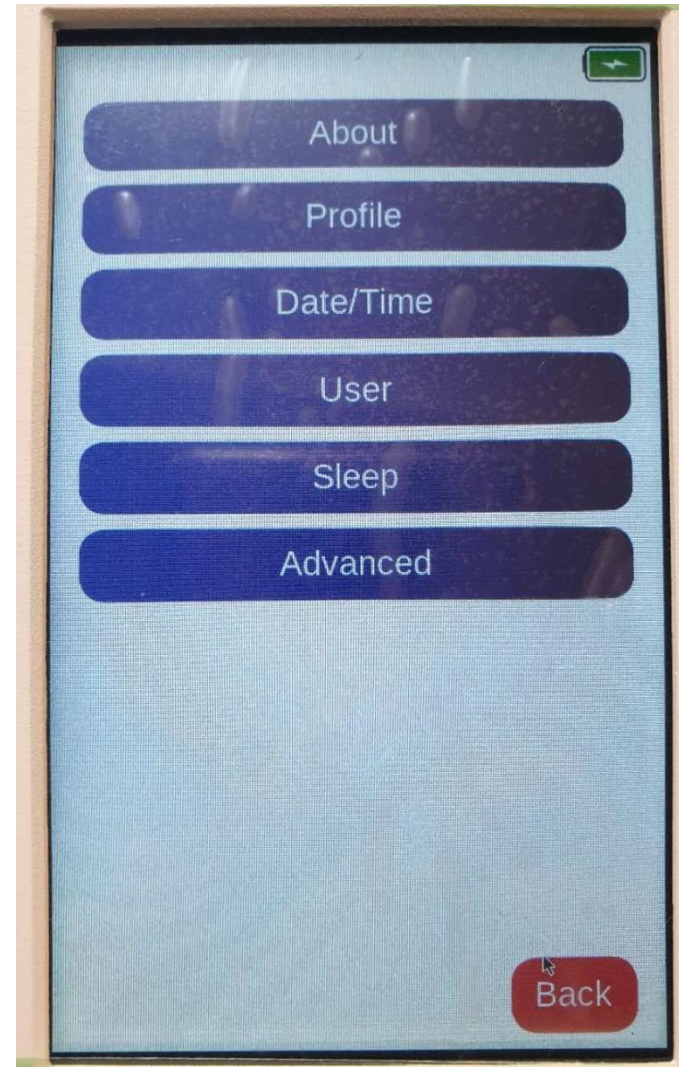
**Profile:** To import / delete/ calibrate each profile

**Date/Time:** Reset date/time here if it is not correct

**User:** set authentication of user level

**Sleep:** LCD screen sleep mode setting

**Advanced:** Advance setting of reader



# 6. Setting: Profile

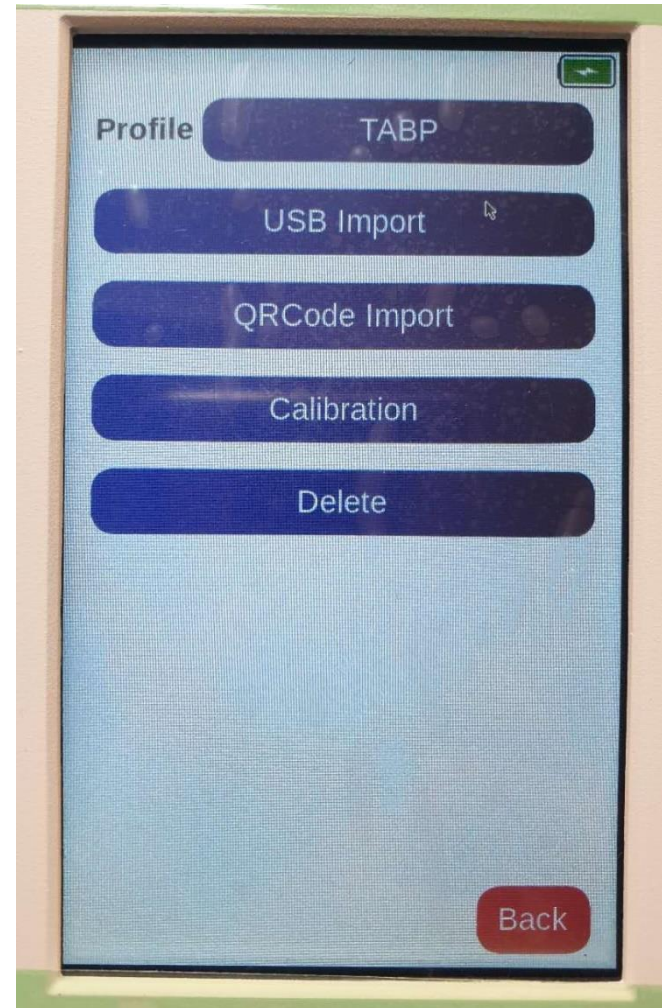
**Profile:** Show current selected profile

**USB import:** Using USB pen-drive to import profile.

**QRCode Import:** Insert QR code card to reader & press this button to upload profile

**Calibration:** Insert calibration chart to do calibration

**Delete:** Selected profile would be deleted by pressing this icon





# 7. Setting: USB Import

**USB import:** Using USB pen-drive to import profile.

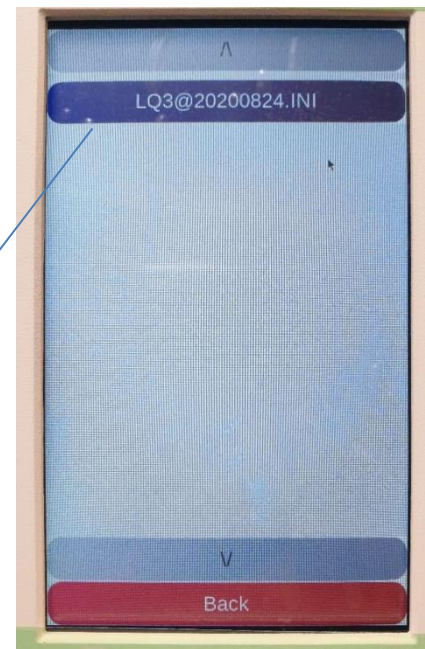
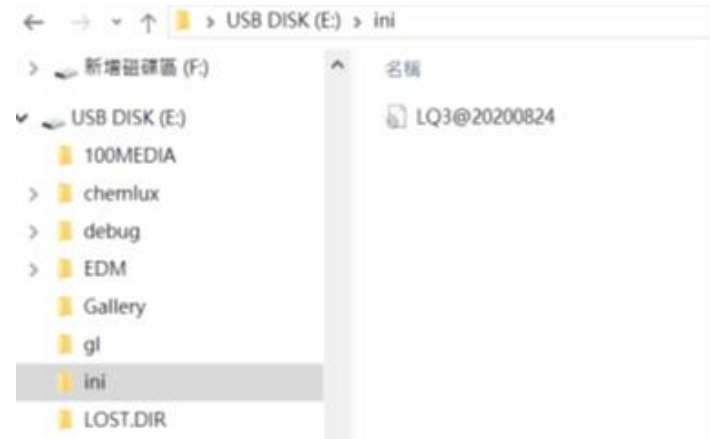
Step 1. Save profile file to your USB pen-drive under “ini” folder

Step 2. Connect USB pen-drive to reader,

Step 3. Press “USB Import” to upload profile

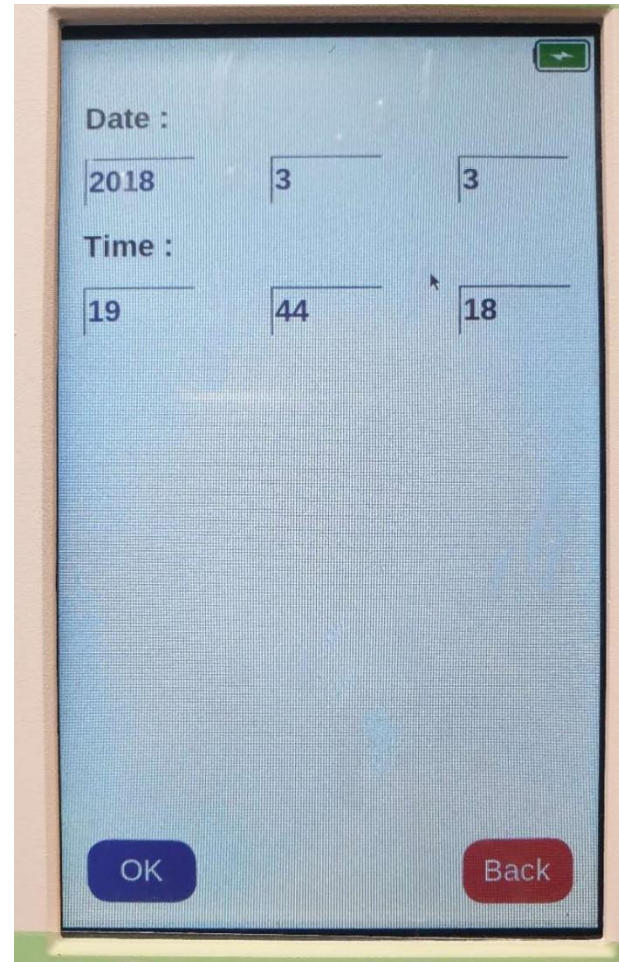
Step 4. You will see the profile in USB pen-drive showing on reader’s UI

Step 5. Press the profile on UI to finish upload



# 8. Setting: Date/Time

Setting Date/Time by pressing each column



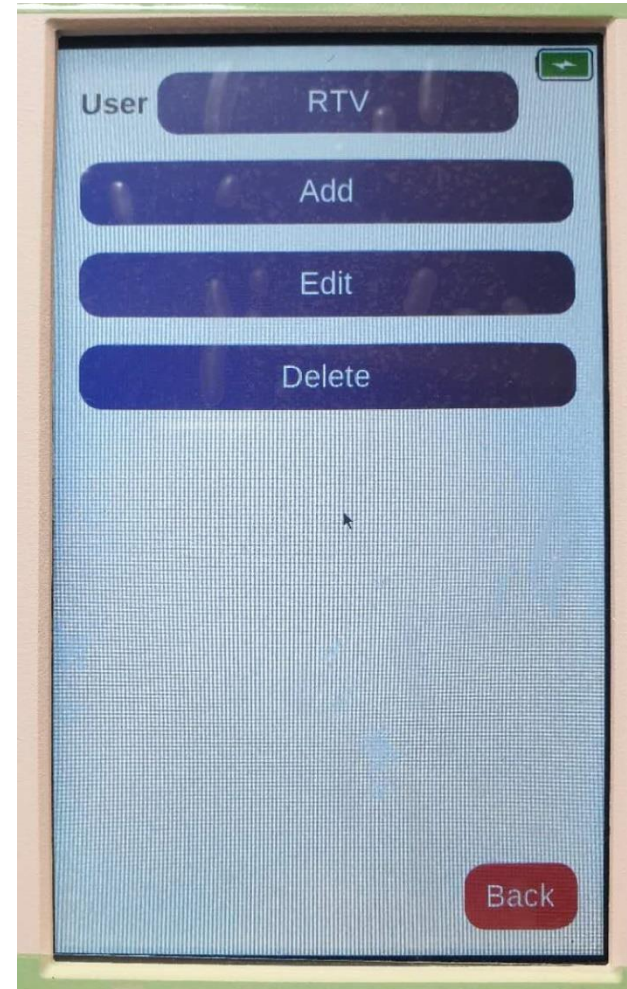
# 9. Setting: User

**User:** Present current selected user account name

**Add:** Adding new user account

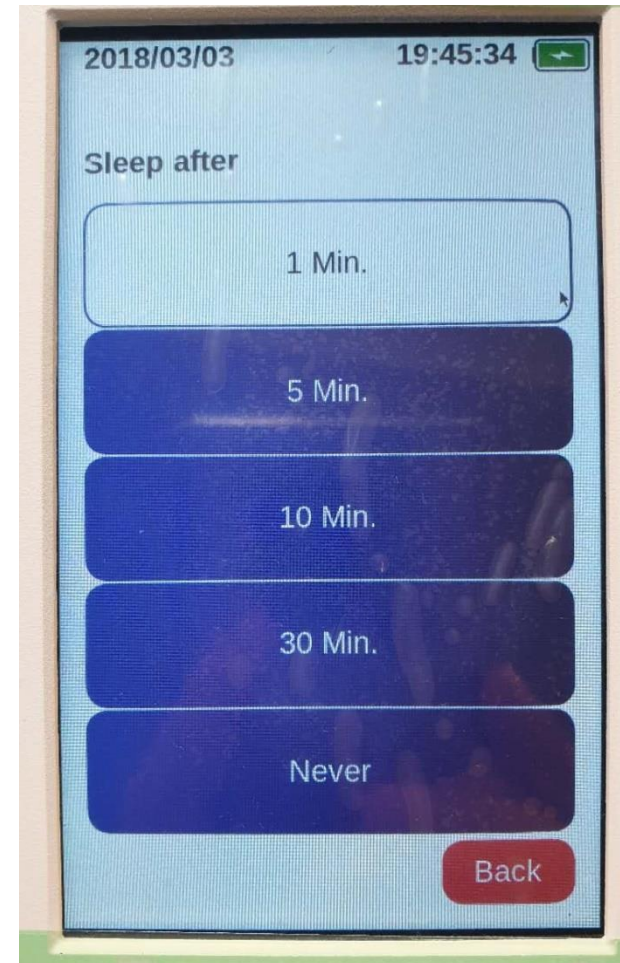
**Edit:** Editing user account information such as name, password and login-level

**Delete:** Deleting user account



# 10. Setting: Sleep

**Set sleep mode by selecting time from list. SW includes a list of time settings, ranging from one minute to Never.**





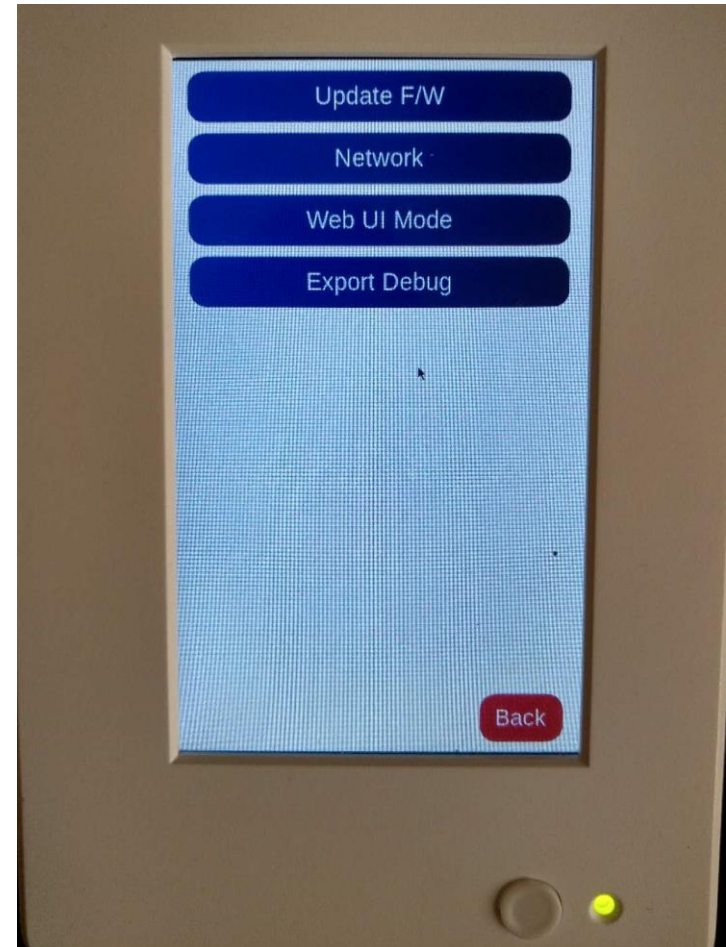
# 11. Setting: Advanced

**Update F/W:** Use USB pen-drive to update F/W of reader by click this icon

**Network:** To set this reader's parameters when reader become Web UI mode

**Web UI mode:** Go to web UI mode can let user use cell phone or laptop to operate reader

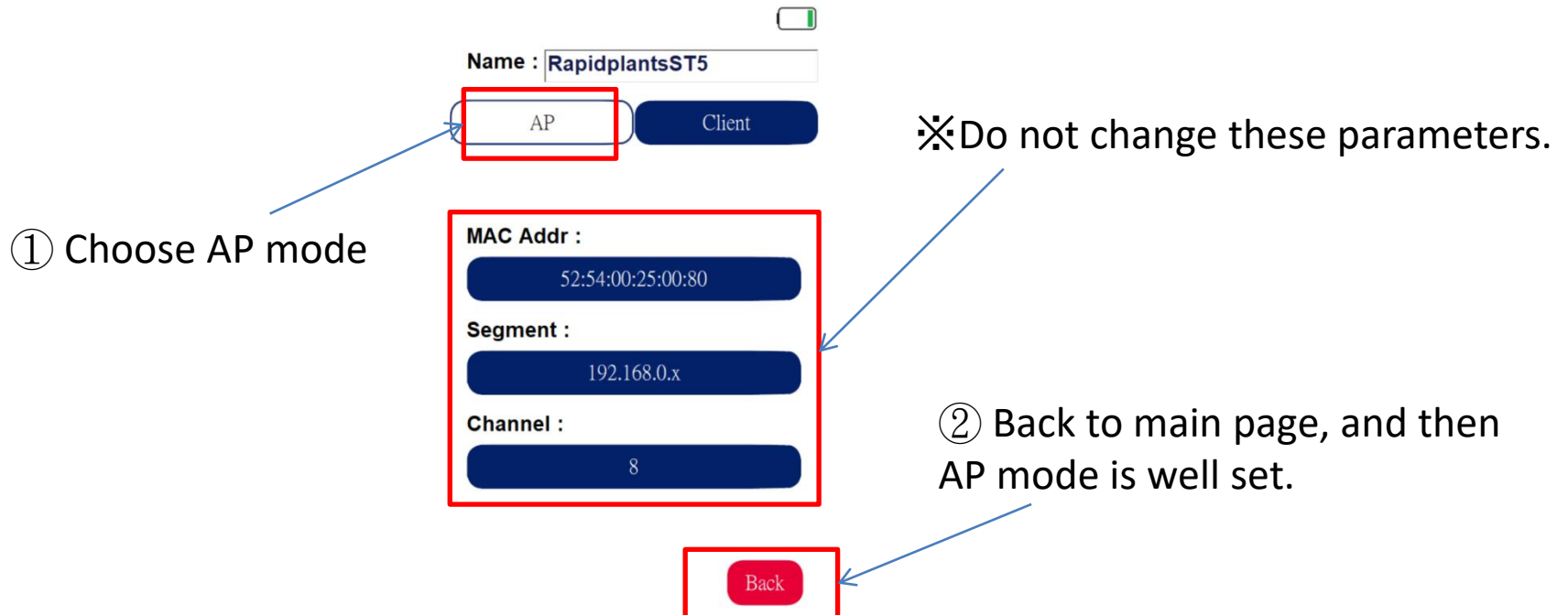
**Export Debug:** Use pen-drive to save debug data for vendor to do debug analysis when reader has abnormal analysis result.





# AP Mode

In AP mode, ST5 works as a host. In this condition, your mobile need to open WiFi and find the network name “RapidPlantsSTD”. After your mobile connect to this network, you can use your web browser (like Chrome) at your mobile to type in IP address 192.168.0.1 or you can use IPFinder App to enable the interface of ST5 web server.



# Client Mode

It is a client device to connect to your office WiFi router. When the ST5 needs to connect to internet, we should set it as Client Mode. ST5 can go through your office WiFi LAN to reach internet.

The image displays three sequential screenshots of the RapidplantsST5 configuration interface, illustrating the steps to set the device to Client Mode and connect to a WiFi network. Red circles with numbers 1 through 7 highlight specific UI elements.

**Screenshot 1 (Left):** Shows the initial configuration screen. The 'Name' field is set to 'RapidplantsST5'. Below the name, there are four buttons: 'AP' (dark blue), 'Client' (light blue, circled 1), 'Wifi' (light blue, circled 2), and 'Ethernet' (green). The 'MAC Addr' field is set to '52:54:00:25:00:80'. The 'SSID' field is empty, and the 'Select SSID' button (dark blue, circled 3) is visible. The 'Password' field is empty. A 'Back' button is at the bottom.

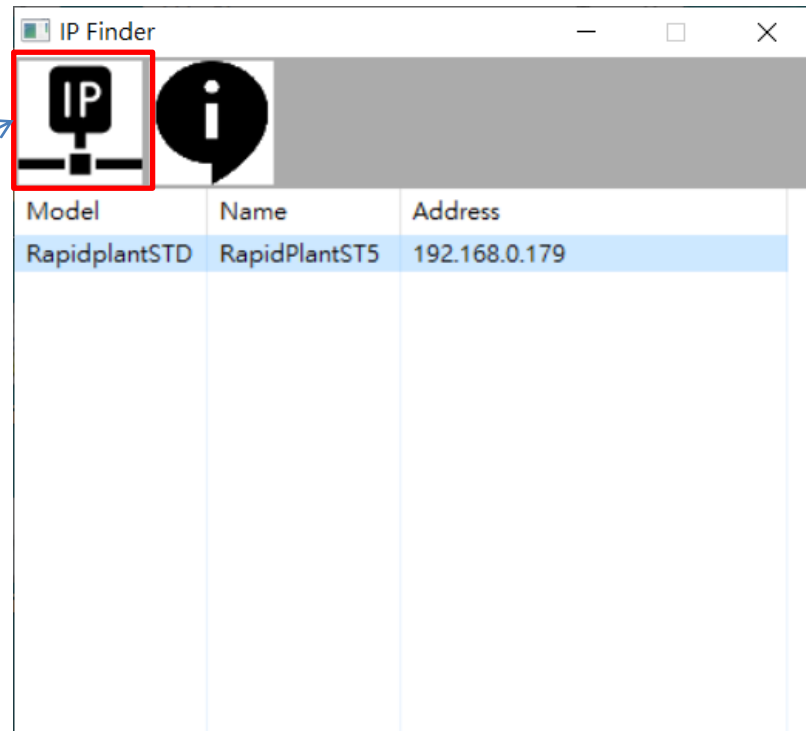
**Screenshot 2 (Middle):** Shows the 'Select SSID' screen. The 'Select SSID' button (light blue, circled 4) is highlighted. Below it is a 'Re-search SSID' button (dark blue). The central area displays the instruction 'Choose the WiFi and enter the password.' A 'Back' button is at the bottom.

**Screenshot 3 (Right):** Shows the 'Select SSID' screen with the 'Wifi' button (light blue) selected. The 'SSID' field is set to 'PIE-AP2' (circled 5). The 'Select SSID' button (dark blue) is visible. The 'Password' field is set to '123456' (circled 6). A 'Back' button (circled 7) is at the bottom.

# Client Mode

When finishing setting Client Mode, use IP Finder to locate the IP address. After that, users can use the web browser to login.

Click here to search the device.

The image shows a screenshot of a software application window titled "IP Finder". The window has a standard Windows-style title bar with minimize, maximize, and close buttons. Below the title bar is a header area containing two icons: a computer monitor with "IP" on it, and a speech bubble with an "i" inside. The "IP" icon is highlighted with a red rectangular box, and a blue arrow points from the text "Click here to search the device." to this icon. Below the header is a table with three columns: "Model", "Name", and "Address". The first row of the table is highlighted in light blue and contains the values "RapidplantSTD", "RapidPlantST5", and "192.168.0.179".

Model	Name	Address
RapidplantSTD	RapidPlantST5	192.168.0.179

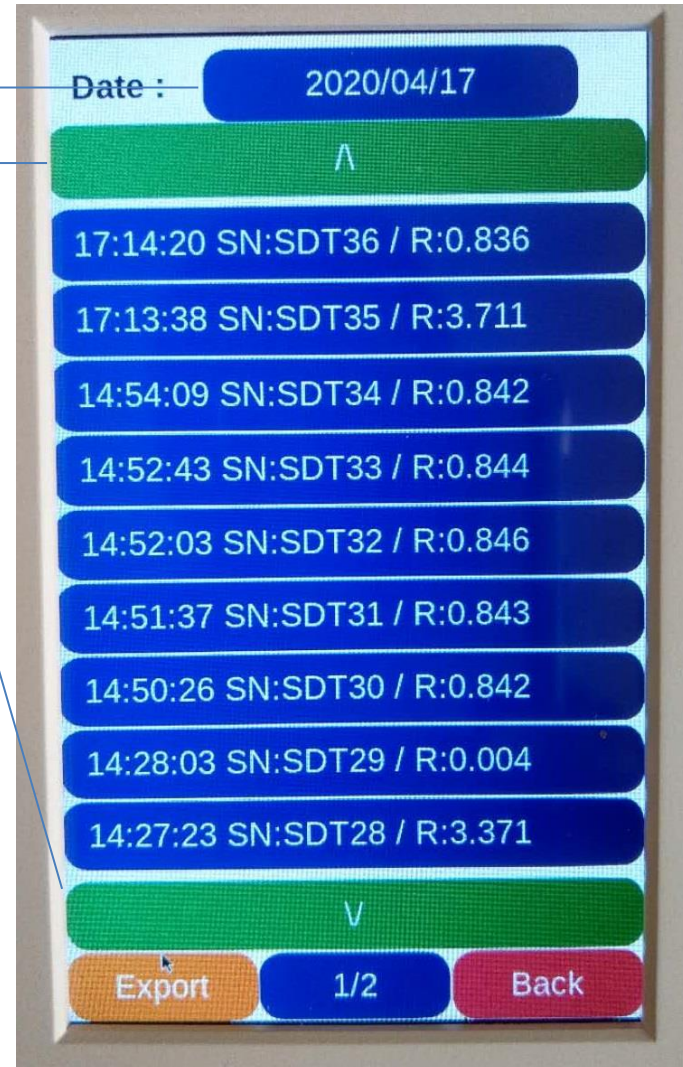
# 12. Database

**Date:** Select date to search data

^ Arrow: to move menu upward

v Arrow: to move menus downward

**Export:** Use USB pen-drive to export select data



# 13. Power Off

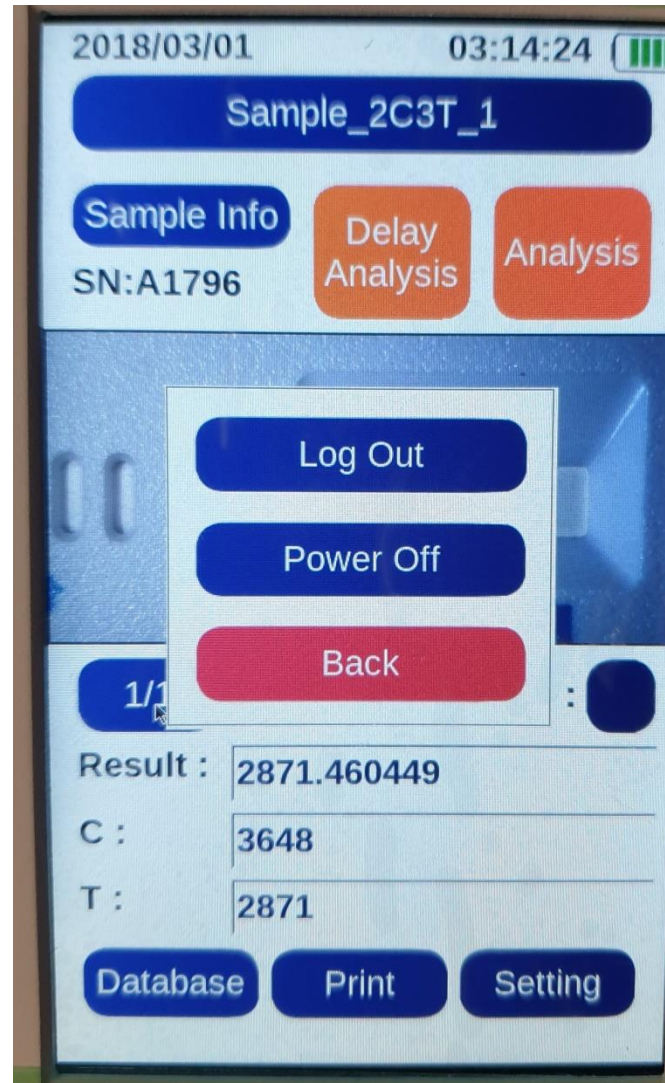
Press Power button



Select "Log Out" to Log in page

Select "Power Off" to turn off reader

Select "Back" to resume operation page





# RapidScan ST5-series user manual

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