

Battery Monitor WiFi Firmware Update Guide

Introduction

Battery Monitor firmware Version 3.00 and later supports firmware updates using a mobile phone, tablet, or computer connected directly to the Battery Monitor's built-in WiFi network.

No programming cable or special software is required.

Before commencing, ensure you have received the latest firmware update file from Sieltec and saved it on your mobile phone, tablet, or computer.

Step 1 - Power the Battery Monitor

1. Disconnect the battery communications cable from the RJ45 connector on the Battery Monitor.
2. Apply power to the Battery Monitor.

After power-up, if no batteries are detected for about 40 seconds, the Battery Monitor will create its own WiFi network access point.

Step 2 - Connect to the Battery Monitor WiFi Network

1. Open the WiFi settings on your mobile phone, tablet, or computer.
2. Locate the wireless network named:

Sieltec Firmware AP

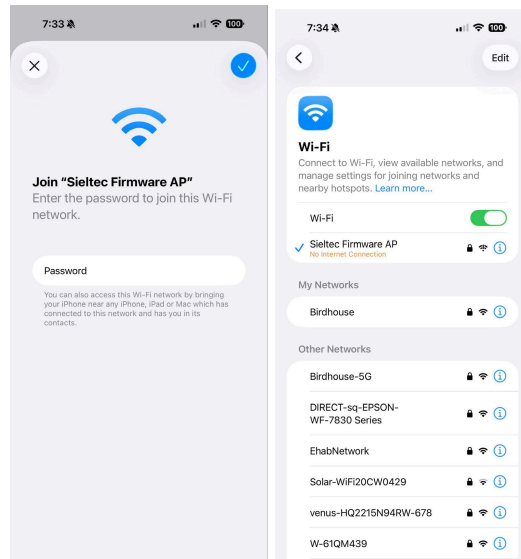
3. Connect to the network.

When prompted, enter the WiFi password:

battery123

4. Wait until the connection has been established. It may say "No Internet Connection" but that is ok.

Figure 1 – Connecting to the Sieltec AP WiFi Network



Step 3 - Open the Firmware Update Page

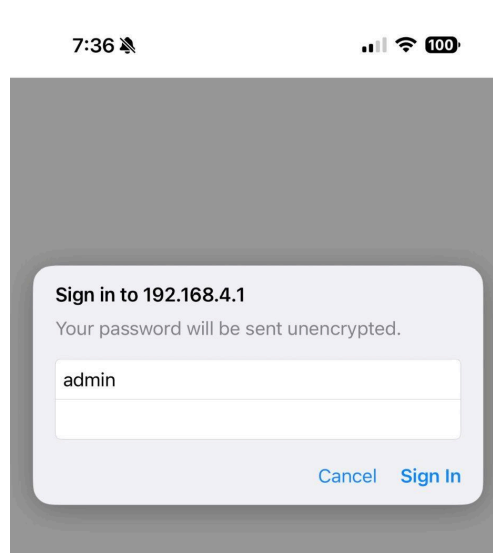
1. Open a web browser.
2. Enter the following address into the address bar:

<http://192.168.4.1/update>

3. Press Enter.

A security login window will appear.

Figure 2 – Login Screen



Step 4 - Login to the Battery Monitor

Enter the following credentials:

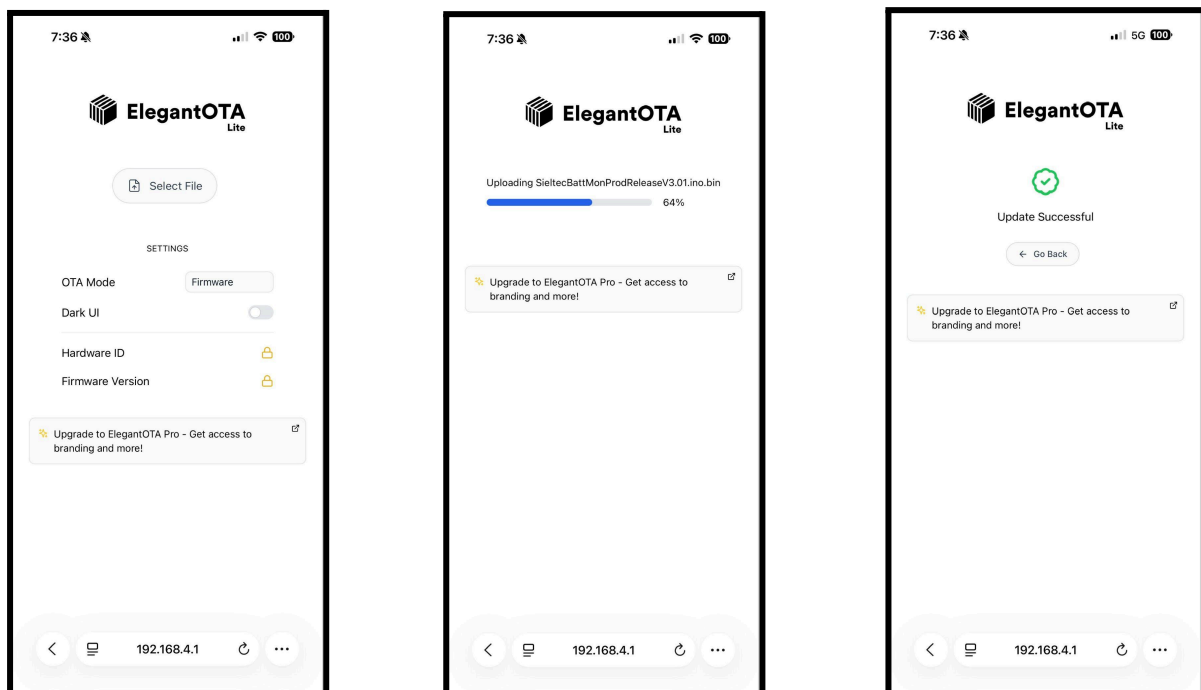
User Name: admin

Password: 000000

Then select **Login** or **OK**.

After successful login, the Firmware Update page will be displayed.

Figure 3 – Firmware Update Page



Step 5 - Select the Firmware File and upload

1. Tap or click **Select File**.
2. Browse to the firmware update file previously supplied by Sieltec.
3. Select the Battery Monitor firmware file (.bin) supplied by Sieltec.
4. Once the firmware file has been selected, the Battery Monitor will automatically begin the update process. This will only take a few seconds.

During the update:

- Do not remove power from the Battery Monitor.
- Do not close the browser.

- Do not disconnect from the Sieltec AP WiFi network.
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Step 6 - Wait for Automatic Restart

When the firmware update has completed successfully, the Battery Monitor will automatically restart.

Allow a few seconds for the restart process to complete.

If the battery communications cable is reconnected it will take about 45 seconds to become operational.

The firmware update is now complete.

Troubleshooting

Cannot Find "Sieltec Firmware AP"

- Confirm the Battery Monitor is powered.
- Wait approximately 40 seconds after power-up for Wifi Access Point to appear.
- Refresh the WiFi network list.

Cannot Connect to the WiFi Network

Verify the WiFi password has been entered correctly: **battery123**

Cannot find Webserver

Ensure correct IP address **http://192.168.4.1/update**

Login Rejected

Verify the login credentials:

User Name: **admin**

Password: **000000**

Firmware Update Does Not Start

- Confirm the correct firmware file supplied by Sieltec has been selected.
- Refresh the browser and repeat the procedure.

Firmware Update Interrupted

- Restore power to the Battery Monitor.



- Reconnect to the Sieltec Firmware AP network.
 - Repeat the update procedure.
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