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## LiTE 2 BESS Range Remote Gateway Setup Guide

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This document specifically covers the LiTE 2 BESS range. For more detailed information, refer to the LiTE 2 installation manual.



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# LiTE 2 BESS Range Remote Gateway Setup Guide

## Technical and Installation Assistance - Contact:

Please contact your Freedom Won distributor, reseller or installer for technical and installation support. A directory of distributors and reseller installers is available at [www.freedomwon.co.za](http://www.freedomwon.co.za). For advanced support, please contact [support@freedomwon.co.za](mailto:support@freedomwon.co.za).

This document specifically covers the LiTE 2 BESS range in regards to "how to setup your remote monitoring gateway".

The steps in this guide will be applicable after the battery has been correctly setup as per the Freedom Won installation manual.

## Preparation Steps

These are the steps to connect the battery to an existing Wi-Fi/Ethernet network. This is a summary of the steps; they are explained in detail below:

1. Make sure the battery is powered on
2. Ensure Wi-Fi signal is available
3. Connect the antenna
4. Access the battery Wi-Fi access point
5. Connect to the Wi-Fi network
6. If the Wi-Fi connection is unavailable or unsuccessful, connect the battery to the network via Ethernet
7. Once everything is connected, go to the portal

## 1. Power On the Battery

Press the ON button and ensure the battery is powered on before continuing to the next step.

### 2.1 Ensure Wi-Fi Signal

Before connecting an antenna, we need to make sure that Wi-Fi is available near or around the room where the battery is installed. If there is no signal near the battery, then consider getting a Wi-Fi range extender/booster or alternatively run an Ethernet cable directly to the system. See step 3 for more information.

Once a Wi-Fi signal is established, move onto the next step.

### 2.2 Connecting the Antenna

A strong signal strength will ensure a good connection and the best results for the system.

1. Connect the antenna to the battery connector.
  - a. Make the connection finger tight and secure.
  - b. Do not use a spanner or tool to tighten the antenna as it could cause irreparable damage.

Once the antenna is securely fixed to the battery, proceed to the next step.

### 2.3 Access the Battery's Wi-Fi Access Point (AP)

The access point (AP) of the battery will be called FW\_ followed by the last 6 digits of the battery serial number. For example: FW\_123456

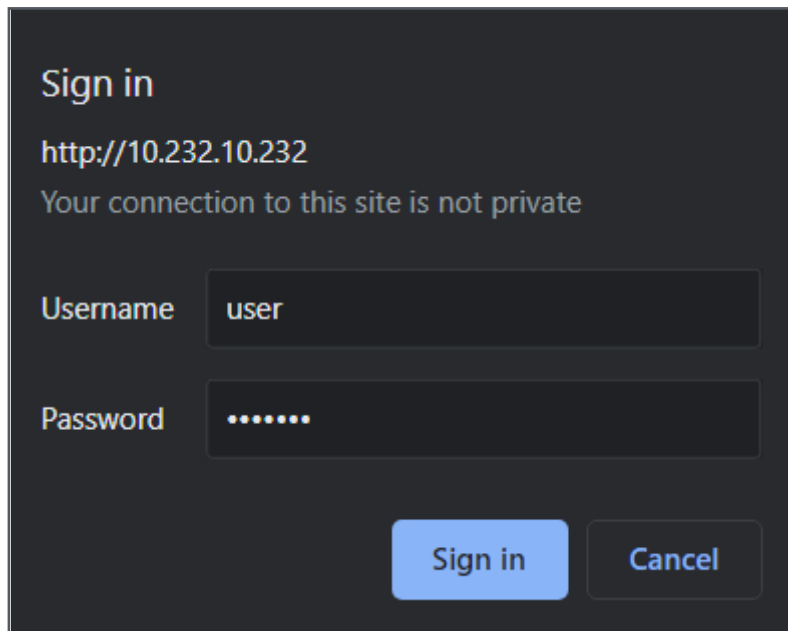
Once the battery is powered on this AP will become available to connect to via a smartphone or laptop. Navigate to the device's appropriate wireless management settings and search for the battery's Wi-Fi name.

Connect directly to this Wi-Fi network. The password is: freedomwon. Then proceed to the next step.

### 2.4 Connect the system to an Existing Wi-Fi Network

1. Once connected to the battery's Access Point, navigate to the smartphone or laptop's web browser.
2. In the search bar, type in the following <http://10.232.10.232> and press Enter. A text box will appear and request you to sign in.
3. Enter the following username and password into the appropriate boxes and press **sign in**.  
Note: This is case sensitive.

Username: user  
Password: freedom



Sign in

http://10.232.10.232

Your connection to this site is not private

Username

Password

Fig. 1

- Once signed in, the system will load and show you the device status screen. This screen will show you the status of your connection. To set up Wi-Fi, navigate to the network settings in the left-hand menu.

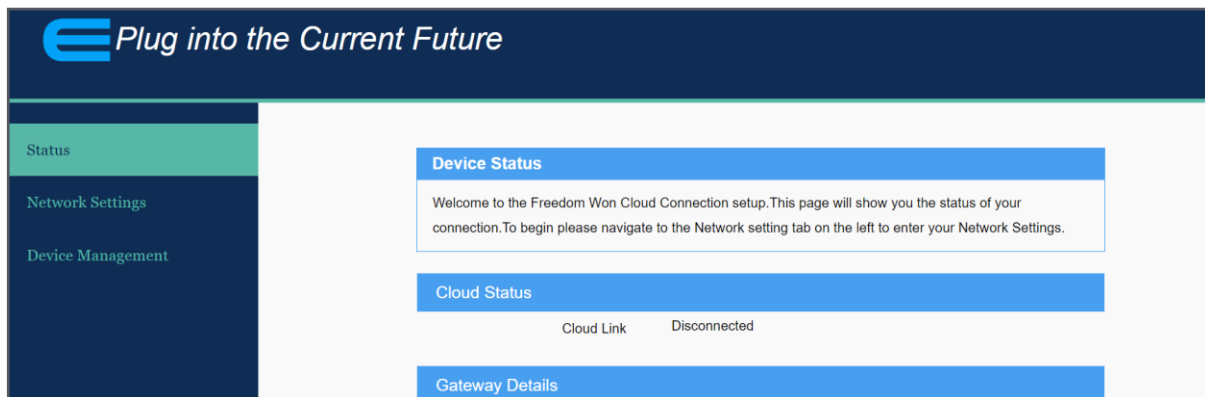


Fig. 2

- This menu will now display the heading network setting. We will start by clicking the search button on AP's SSID. This will initiate a search for available Wi-Fi networks. It will also open a new window to view them.

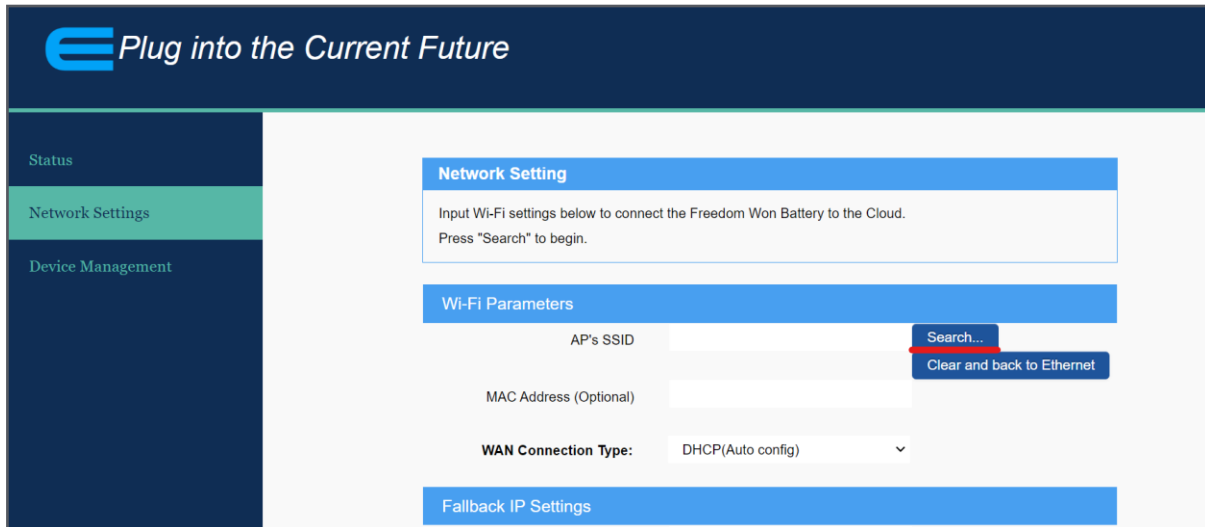


Fig. 3

- The menu that opens now will display the available Wi-Fi networks. Use the tick box on the left to tick the appropriate box linking to the the Wi-Fi network you wish to connect to.

Press "Apply" to select that network.

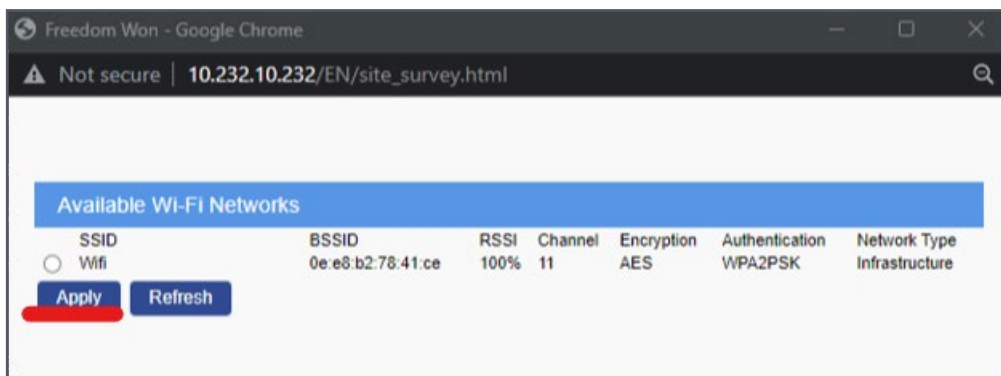


Fig. 4

- Once you have pressed “Apply”, the Wi-Fi list menu will close and we will be back at the STA Interface Settings or “Wi-Fi Settings”. You will see your Wi-Fi name now appears in the AP’s SSID box.

Next, add the Wi-Fi password for this network to the “Password” text box and click “Apply”.

Fig. 5

- Once you click “Apply”, a window will appear asking you to reboot the device.

Fig. 6

Press the “Restart” button.

The Wi-Fi module in the battery will reboot and connect to the Wi-Fi network again set in the above steps.

- Once the device has rebooted, we can then check the status of the connection through the status page to ensure everything is connected as it should be.

The device status screen will show you the connection status of the Wi-Fi and the status of the connection to the cloud.

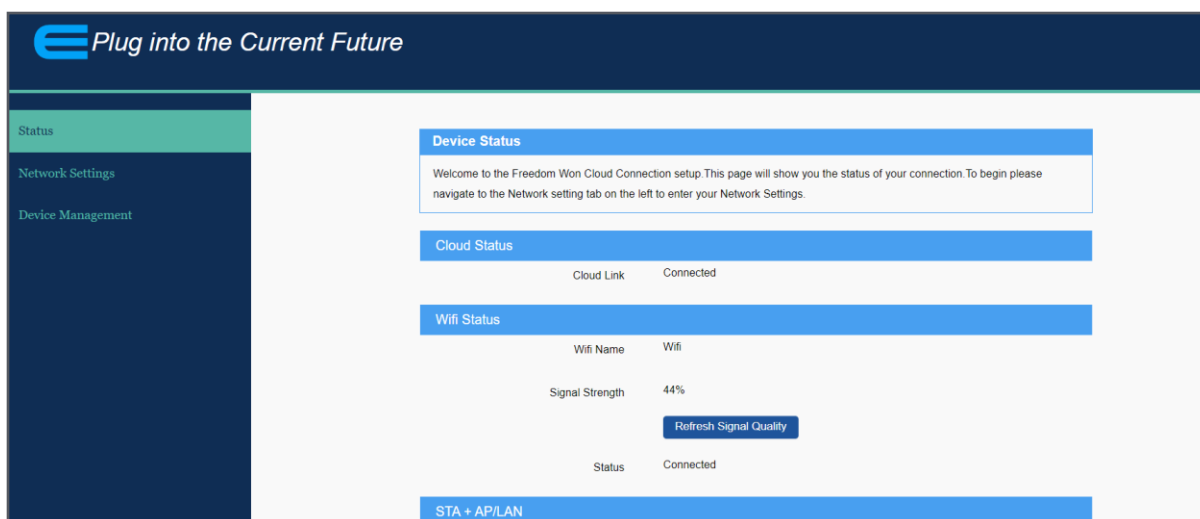


Fig. 7

### 3. Connecting via Ethernet

If a Wi-Fi connection is unsuccessful or infeasible, the battery can be connected to the network via Ethernet. Simply connect an ethernet cable into the ethernet port on the side of the battery and connect this to your network.

### 4. Once Everything is Connected, Access the Portal

If the battery has been successfully connected to the network via Wi-Fi/Ethernet, the Freedom Won portal will now be accessible via the following link: <https://portal.fw-cloud.net>. Please consult the portal manual on how to use the Freedom Won portal.

## 4. Identifying a Freedom Won LiTE 2 BESS

Freedom Won LiTE 2 BESS units have different elements from the LiTE 1 range BESS units.

The model number on the front of the unit will incorporate a single forward slash (/) for LiTE (1) range units or a double forward slash (//) for LiTE 2 range units.

LiTE 2 units will also include a Wi-Fi connectivity symbol on the side of the unit, normally located near the Wi-Fi/Ethernet ports.

See comparison below:






Item	LiTE 1 Branding	LiTE 2 Branding
Image (example)		
Model Branding (front of unit)  <i>Take note of the '/' (LiTE 1 units) or '//' (LiTE 2 units)</i>		
Wi-Fi/Connectivity Sticker (side of unit)	N/A	

Table 1



# LITE 2 RANGE

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SCAN ME  
TO LOG A  
SUPPORT  
TICKET

## Freedom Won Technical Support Contact Details

Please use the following contact details to make enquiries on technical matters or for actual technical support with design and/or commissioning:

**Email:**

support@freedomwon.co.za

**Mobile:**

+27(0)60 968 5145

**Office**

+27(0)10 597 7794

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