

AI-5000W

BMS-TOOL App Guide

1.0 Introduction

This guide provides instructions for end users on connecting to and monitoring the AI-5000W battery unit using the BMS-TOOL mobile application. The procedures outlined below cover the initial setup, Wi-Fi configuration, system access, and battery monitoring features. This allows you to view real-time battery status, historical data, and system alerts from your mobile device.

Notice

The specifications, procedures, and features described in this document are subject to change without prior notice. For the most current information, please ensure you are referencing the latest version of this guide.

1.1 App Download and Initial Setup

1. **Download the App:** Download the "BMS-TOOL" application from the Google Play Store or the Apple App Store.



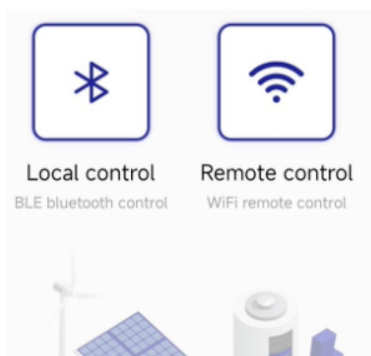
Google Play Store download link:

<https://play.google.com/store/apps/details?id=com.peichengzhongxing.bms>

Apple App Store download link:

<https://apps.apple.com/us/app/bms-tool/id6471949475>

2. **Grant Permissions:** On first launch, grant all requested permissions (Location, Camera, etc.) to ensure full app functionality.
3. **App Home Screen:** After granting permissions, the app will display the main screen with two options: **Local Control (BLE)** and **Local Network (Wi-Fi)**.



1.2 First-Time Setup: Connecting Your AI-5000W

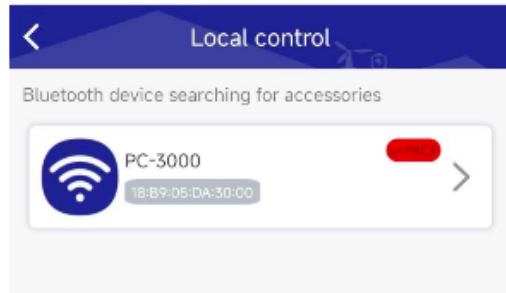
This one-time process is required for every new AI-5000W installation. An initial Bluetooth connection is mandatory to configure the unit and set up the local Wi-Fi connection.

1. Activate Bluetooth Pairing Mode:

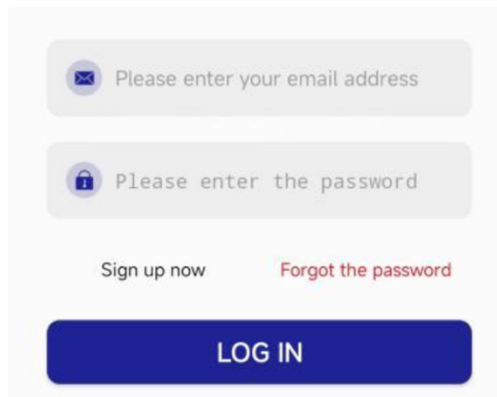
- **New Unit (First Power-On):** The AI-5000W automatically enters pairing mode upon initial power-up.
- **Existing Unit (Manual Activation):** To re-initiate pairing on a previously configured unit, press and hold the Reset button for 10-13 seconds.

2. Select Local Control: On the app's home screen, tap **Local Control (BLE)**. The app will begin searching for nearby Bluetooth devices.

3. Pair with AI-5000W: When your AI-5000W appears in the list, tap on it.

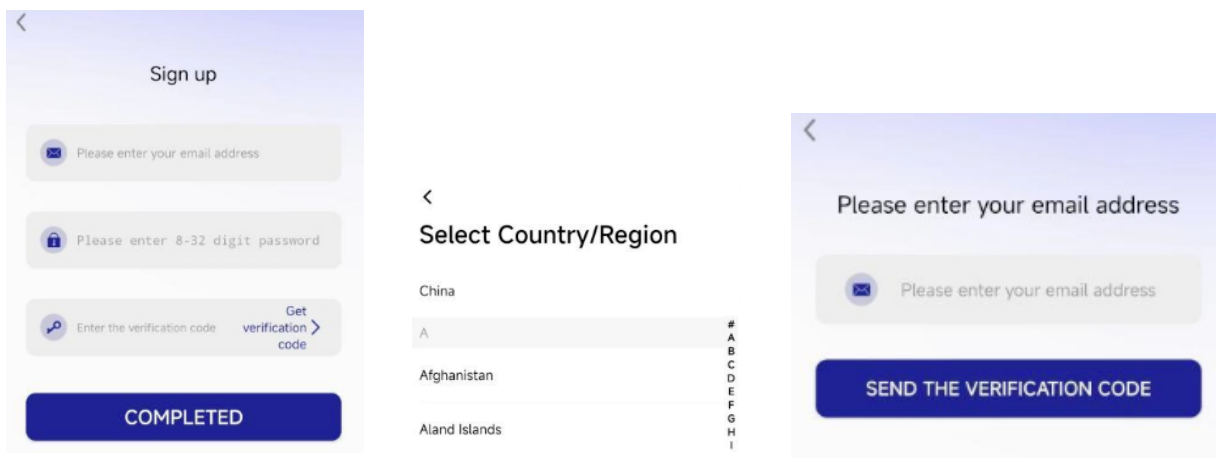


4. Initiate Account & Wi-Fi Setup: Tapping the device will redirect you to the account sign-up/login page. This is the starting point for configuring the device for remote access.

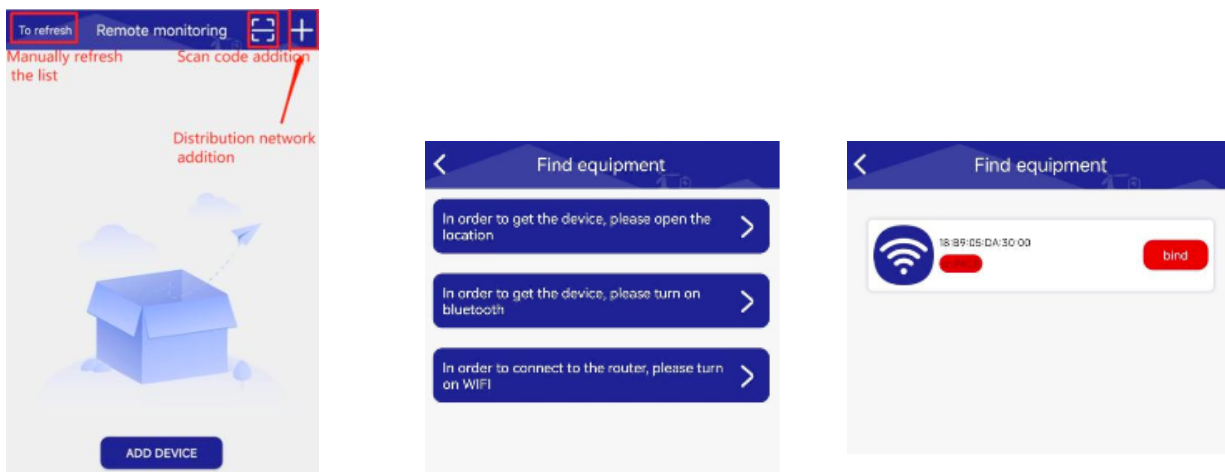


5. Create Your Account: Register a new account using your email address. A verification code will be sent to your email—check your inbox and look in your junk or spam folder if it doesn't appear.

- **Important:** You must select your actual country/region during registration. This setting is critical for connecting to the correct cloud server.



6. **Activate Wi-Fi:** After creating your account, Tap “Add Device” or “+” to search Wi-Fi for AI-5000W.



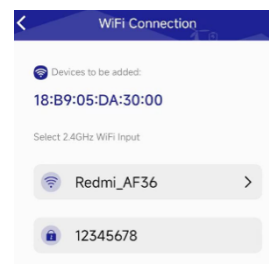
Wi-Fi, Bluetooth and Location on the mobile phone should be turned on. Tap and bind the targeted AI-5000W Bluetooth device.

Note: Make sure mobile turned on the Wi-Fi to enable the searching of targeted Wi-Fi.

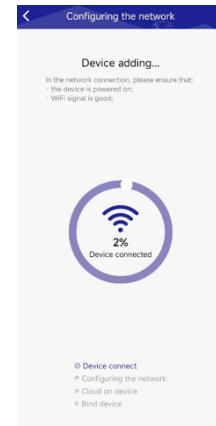
7. Provide Wi-Fi Credentials:

the app will prompt you to enter the Wi-Fi credentials (network name/SSID and password) for your home network.

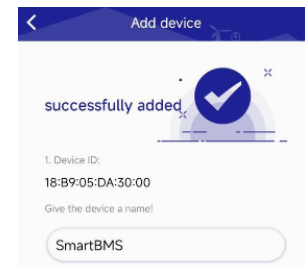
- **Note:** The AI-5000W Wi-Fi module only supports **2.4GHz Wi-Fi networks**. Ensure you select a 2.4GHz network, not a 5GHz one.



8. **Automatic Configuration:** The app will now send all the information to the AI-5000W. The unit will automatically connect to your Wi-Fi, register with the server, and bind to your account. Wait for this process to complete.



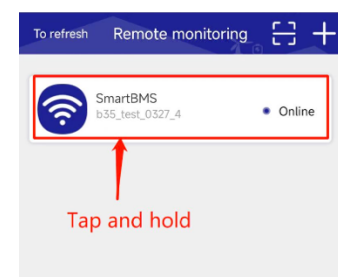
9. **Setup Complete:** Upon successful configuration, the app will display the **Device List** page, showing your newly added AI-5000W. The setup is now finished.



1.3 Accessing Your Device (After Setup)

Once the one-time setup is complete, follow these steps for all future use:

1. **Select Remote Control:** Open the BMS-TOOL app and tap **Remote control (WiFi)**.
2. **Log In:** If you are not already logged in, enter the email and password for the account you created during setup.
3. **View Device List:** After logging in, you will see the Device List page with your AI-5000W shown.
4. **Monitor Device:** Tap on your AI-5000W from the list to open its dashboard and begin monitoring.



1.4 Monitoring and Control

From the device dashboard, you can:

- View real-time battery status, state of charge (SOC), voltage, and temperature.
- Access historical performance data.
- View system alerts and status information.
- Configure system parameters as needed.



1.5 OTA (Over-the-Air) Firmware Updates

When a new firmware version for your AI-5000W is available, the BMS-TOOL app will display an upgrade notification when you connect to the device. The app downloads the update and transfers it to the AI-5000W over the active local connection (Bluetooth or Wi-Fi).

It is recommended to keep the firmware updated to ensure optimal performance. For stability during the update process, using a Wi-Fi connection is preferable if it has been configured.

