



Description

HSE-BG3 is an energy monitoring USB Dongle equipped with a high-precision Real-Time Clock (RTC). It can automatically collect device energy consumption data periodically without connecting to an app. It supports remote energy data viewing and report export via both web and mobile platforms. The device also provides dual data backup protection; collected data is synchronously uploaded to the server and locally saved on an SD card, delivering reliable hardware and software support for energy consumption monitoring.

Note

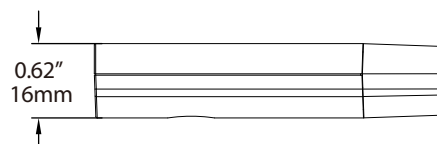
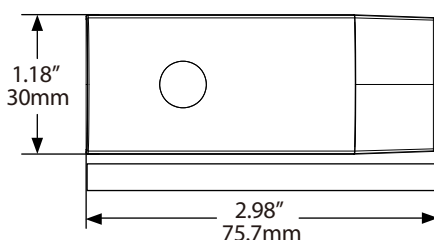
- The device supports both 2.4 GHz and 5 GHz Wi-Fi bands.
- Keep your phone within 30 meters of the device with minimal obstructions during Bluetooth pairing to ensure success.
- Do not operate the device outside its specified temperature range, as this may affect performance and service life.
- If the device will be idle for an extended period, check SD card data backups regularly to prevent data loss due to storage anomalies.



Specifications

Input Voltage	USB 5V
Input Current	500mA Max
Control Device	HSE WISE APP
Bluetooth Transmit	30m / 98ft
Radio Frequency	2.4GHz (2402~2480MHz)
Bluetooth Version	5.4
Operating Temperature	-30°C ~ 55°C
Storage Temperature	-30°C ~ 85°C
Warranty	5-years

Dimensions



Pairing & Usage Guide

1. Preparation

Before operation, please ensure you have prepared the following items:

- HSE-BG3 Energy Monitoring USB Dongle
- A smartphone with Bluetooth 5.2 or higher, capable of connecting to a 2.4GHz Wi-Fi network
- Installed HSE WISE App (compatible with both iOS and Android)

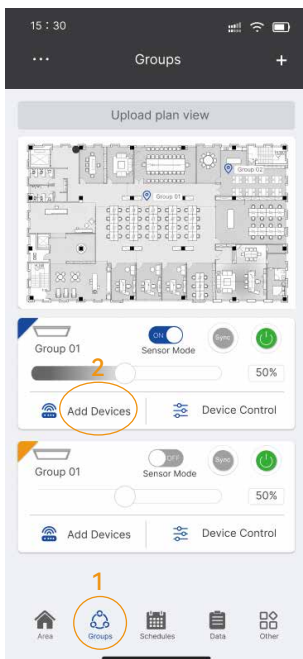
2. App Download and Registration

- Search for and download the **HSE WISE APP** from your app store, then complete installation, registration, and login.
- Enable Bluetooth on your mobile device and ensure it remains active.

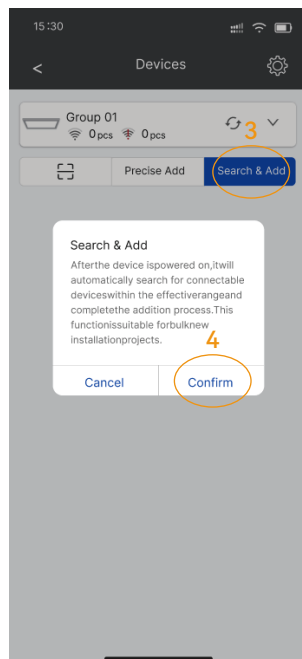


3. Device Addition and Bluetooth Pairing

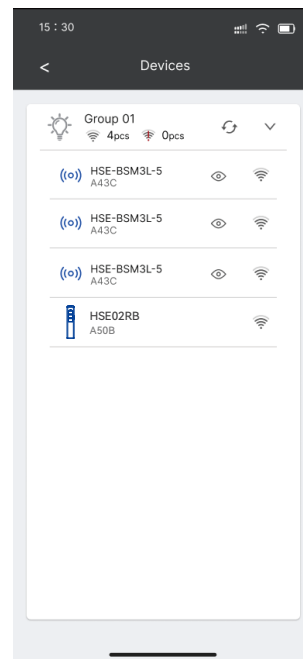
Connect the HSE-BG3 device to power via the USB port (the device supports standard USB 5V power supply) and ensure the device powers on and starts up normally.



Open the HSE WISE APP, go to **[Add Devices]** to start device searching and adding.



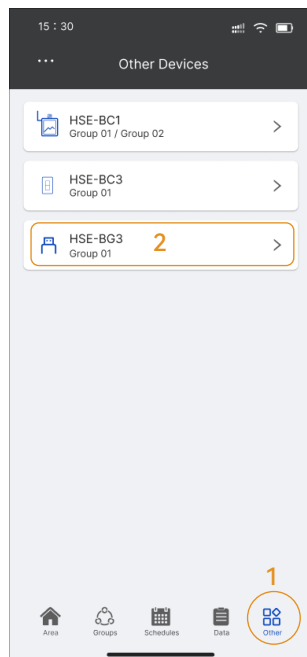
Enter the app pairing page, tap **[Search & Add]** and follow the prompts. The app will automatically scan nearby devices and complete network configuration.



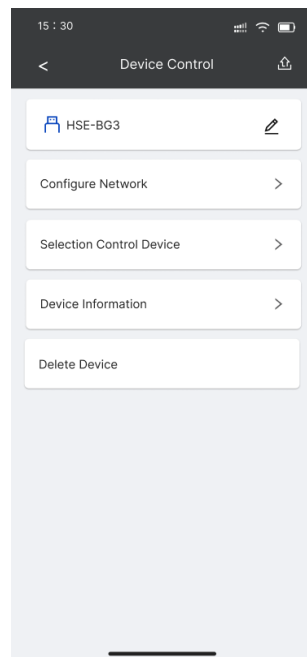
After device addition, check the connection status in the device list.

After adding devices, view, configure and control them in the device group list and the **[Other] section.**

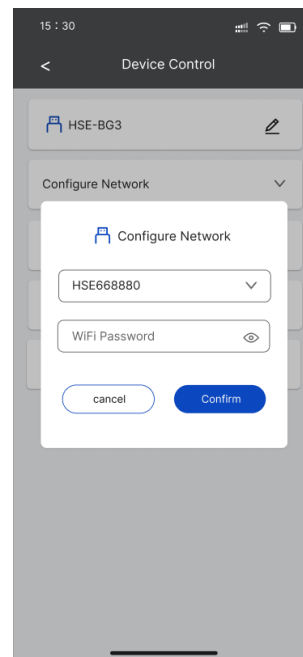
4. Device Control



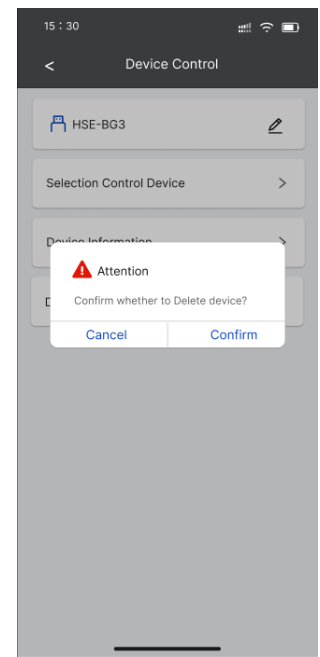
Switch to the Bluetooth Accessories page via the bottom navigation bar labeled **Other** , then select the device to be controlled.



Enter the device control interface to configure network connection, select groups, view device information, remove devices, and upload data.



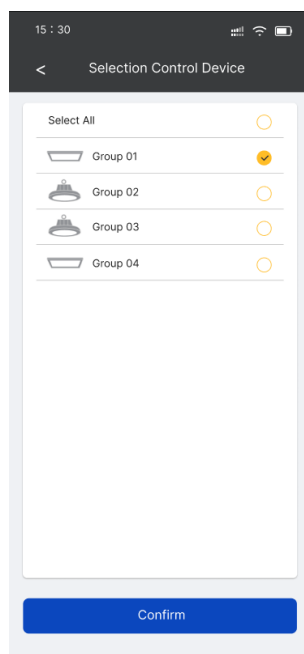
Tap **Configure Network** to enter the network configuration interface and follow the prompts to connect to the network.
(Note: The device supports both 2.4 GHz and 5 GHz Wi-Fi bands.)



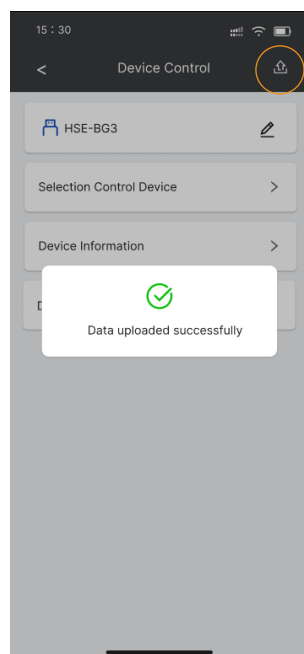
Tap **Delete Device** to restore the device to its unconfigured state.

5. Data Collection and Upload

Manual Upload Mode



Tap **Select Control Group** to enter the group selection page, then check the groups to be counted as required.



Keep the HSE-BG3 for ≥ 20 min, then tap Manual Upload to sync data. Check the server backend for the latest energy consumption data once the success prompt appears.

Automatic Upload Mode

- The device automatically collects, statistics, and prepro cesses power consumption data at preset intervals.
- Processed data is automatically synced to the server and backed up to the local SD card for dual cloud + local protection.
- New data is stored on the SD card during network outages and automatically uploaded when connectivity is restored to prevent data loss.
- With normal network access, view real-time energy consumption charts in the APP data interface and cloud platform backend.

Restore Network Pairing Mode

1. Press and hold the reset button on the device. The indicator light will flash to confirm Bluetooth reset is complete.

After resetting, you may re-add the device and configure the network.

2. Remove the device in the APP to restore it to the unconfigured network state. The indicator inside the button will flash upon successful reset.

