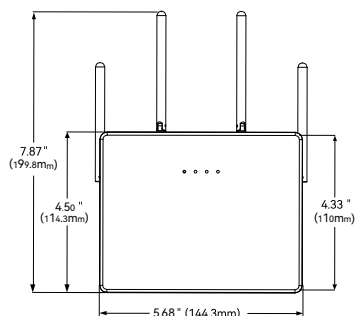
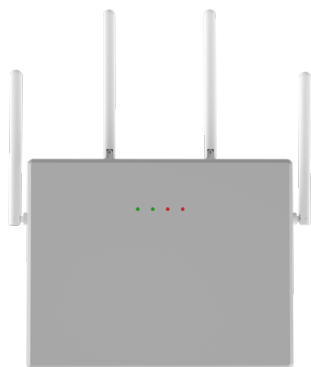


High - performance Intelligent Gateway Solution

Driven by Core Technologies

With high - performance ARM926EJ - S processor , providing the device with powerful computing capabilities and a reliable operating environment.

Multi - protocol Support

-Wi - Fi: Supports both 2.4 GHz and 5 GHz dual - bands, fully compliant with the IEEE 802 standard, ensuring high - speed and stable wireless network connections.

-Bluetooth: Operates in the 2.4 GHz band, integrates PA (Power Amplifier), significantly enhancing the control distance of Bluetooth connections. It supports BLE technology, enabling flexible and intelligent device interconnection.

-Ethernet: Provides a reliable wired connection option to meet the needs of diverse scenarios.

Localized Intelligent Scenario Support

It has a powerful built - in local storage function. Scenario storage and management can be achieved without relying on the network, providing higher security and reliability.

Powerful Connectivity

Integrates a high - gain antenna design, optimizing signal coverage and transmission stability, suitable for various complex application environments.

Typical Application Scenarios

Smart Home Control Center , Industrial IoT Gateway , Intelligent Building Automation System.



Specifications

Hardware System

CPU	Arm@ ARM926ET-S Core
Memory	128MB DDR2
Flash	1GB

Ethernet Interface

Port	2 x RT45
Physical Layer	10/100/1000 Base-T(IEEE 802.3)
Data Rate	10/100/1000 Mbps(Auto-Sensing)
Interface	Auto MDI/MDIX

Power Supply and onsuption

Power Input	DC 12V
Power Consumption	≈3.6W (Max)

Enviromental

Operating Temperature	-40°C~+70°C
Storage Temperature	-40°C~+85°C
Ethernet Isolation	2kV RMS
Relative Humi dity	0%~95%
IP Rating	IP65

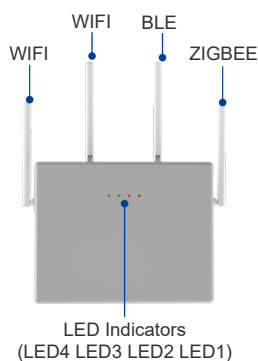
Bluetooth

Antenna	2xInternal Antenna
Frequency Band	2402MHz~2480MHz
Sensitivity	-97dBm
Output Power	10dBm
Protoco1	BT5.4
Number of Controllable Devices	500pcs.
Control Distance	500 m / 1640.42 ft

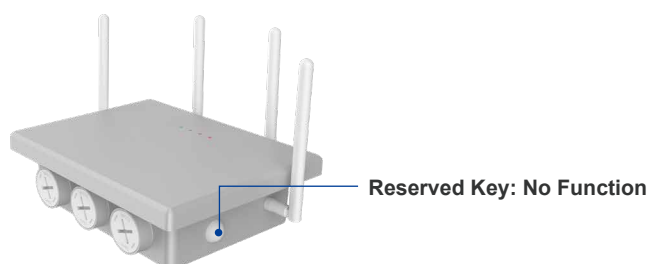
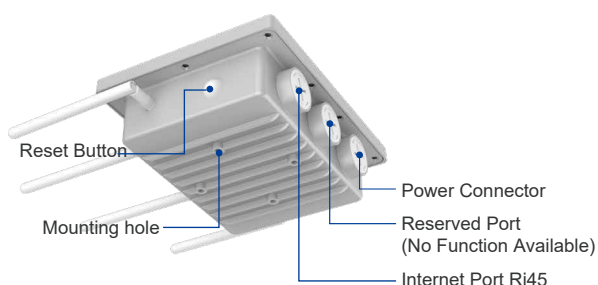
WiFi

Antenna	2*50Ω N-Female External Connectors
Frequency Band	2.4GHz Band CH1~ CH13/2400 -2483.5MHz 5GHz Band CH36~CH48/5150-5250MHz CH52~CH64/5250-5350MHz CH100~CH144/5470-5725MHz CH149~CH165/5725-5850MHz
Sensitivity	-85dBm
Management	17dBm
Protocol	IEEE 802.11b/g/n/a/ac/ax

Product Structure



LED Indicator	Status Description
LED1 (Function Normal)	Blue: Steady on Red: Fault (Flashing)
LED2 (LAN Signal)	None: Not connected / Cannot be inserted Red: Fault (Flashing) Blue: OK (Solid On)
LED3 (Bluetooth Status)	Red: Waiting for network configuration (Flashing) Blue: Network configured (Solid On)
LED4 (Wi-Fi Status)	Red: Waiting for network configuration (Flashing) Blue: Network configured (Solid On)



Pairing & Usage Guide

1. Preparation

- 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.



Notes & Recommendations

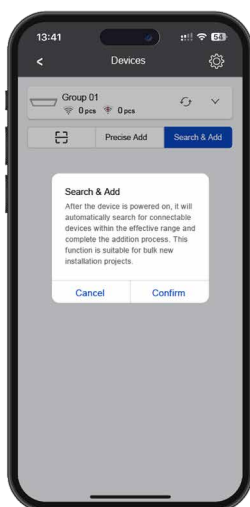
1. Cloud control and remote control features require an internet or Wi-Fi connection.
2. To maximize signal coverage, install the gateway near the center of the control area.
3. Schedule management is available after adding the gateway. When offline, the gateway can continue running saved schedules using its built-in clock.
4. After initial power-up, the gateway requires approximately 90 seconds to complete initialization before operation.
5. Once connected to the network, the gateway can be used to create and manage Buildings and Areas through the cloud platform.

APP Instructions

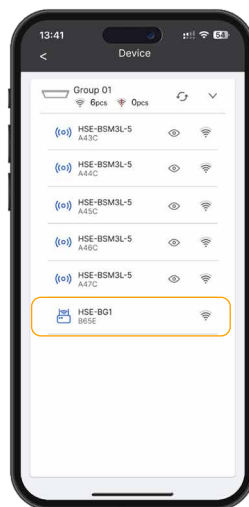
- Power on your device; it will run a 90-second warmup initialization.
- After warmup finishes, hold the side button for 5–8 seconds to reset. Alternating red and blue indicator flashes confirm a successful reset, and the unit enters network-ready mode.



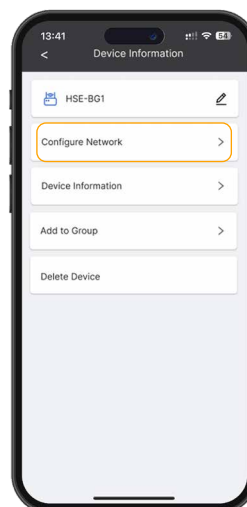
1. Switch to the group interface settings via the bottom navigation bar **"Groups"**.
2. Tap **"Add Devices"** to enter the device addition interface.

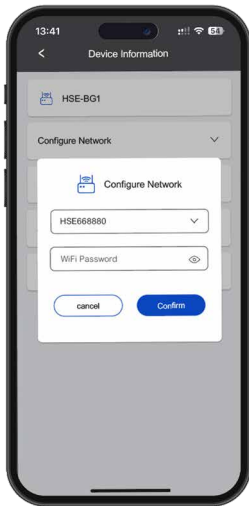


3. Tap **"Search & Add"** to pull up operation prompts.
4. Tap **"Confirm"** to auto-scan and add nearby pairable devices.

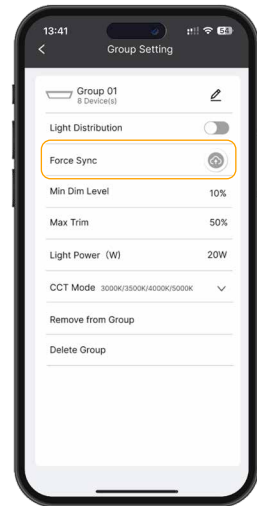
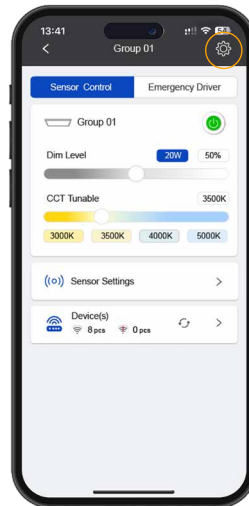


4. After searching and adding the device, tap it in the device list to open the control panel and access device settings.

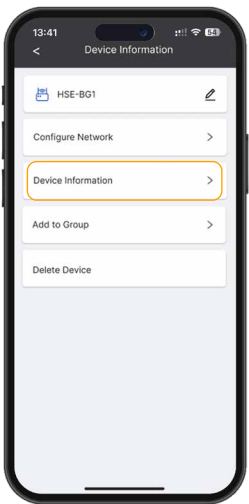




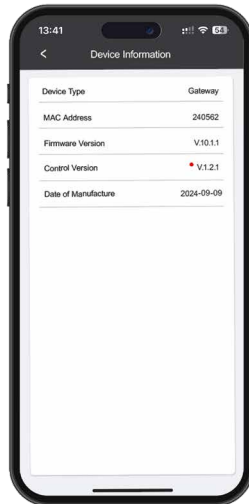
5. Tap **"Configure Network"** to open the network configuration interface: select/enter the WiFi name, enter the WiFi password, and press **"Confirm"** to complete network configuration.



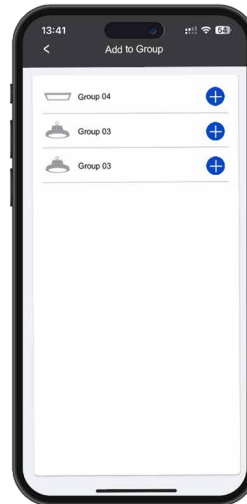
6. After successful pairing, tap Upload in the group to sync gateway data to the server for remote control via the cloud platform.



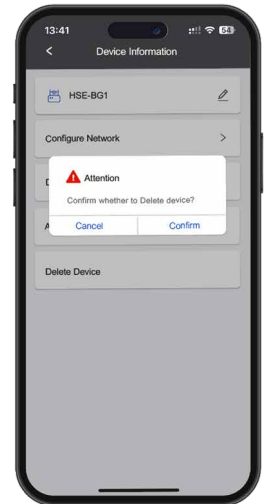
You may rename devices, run OTA firmware updates, assign group links, or remove devices as needed.



Device Information: Perform OTA updates for firmware/-control versions, and view detailed information such as device operation logs and occupancy events.



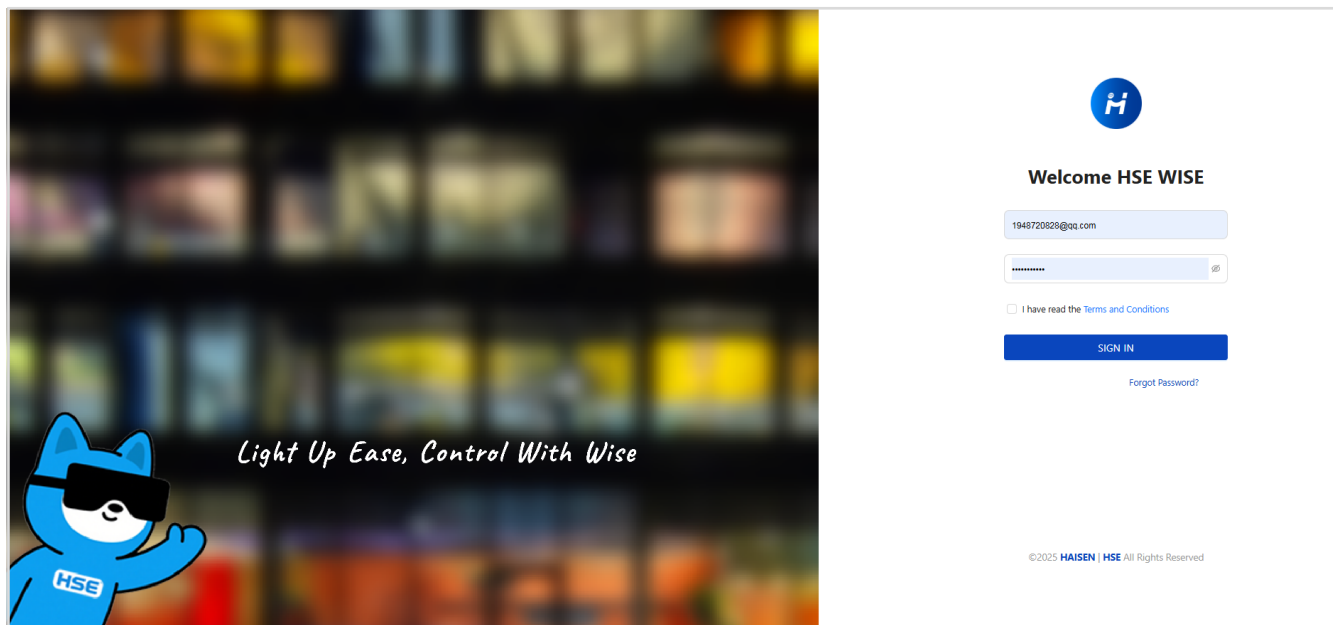
Add to Group: Associate the device with different groups.



Tap **"Delete Device"** to pop up a confirmation window; confirm to remove the device, which will automatically revert to the unconfigured network state.

Remote Control Operation Instructions

1. Open your browser and enter the website iot.hsesmartinc.com to access the login page. Sign in with your registered account and password.



2. After logging in, select the Building, Area, and Group you want to remotely manage from the left navigation bar.



3. Click on the target group with your mouse, and the dedicated control panel will pop up. Adjust all parameters according to your actual usage needs, then save the configurations to complete the remote control setup.

