



Description

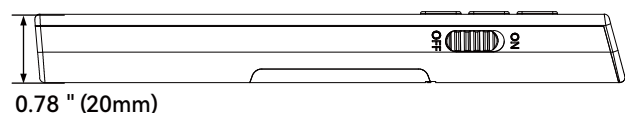
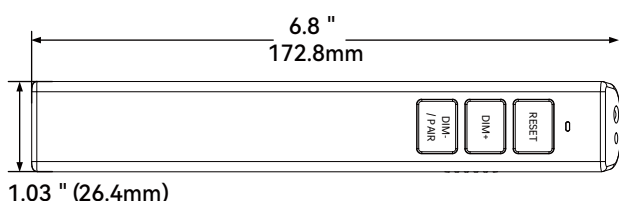
The HSE-02RB is a precision remote control designed exclusively for Bluetooth Mesh smart lighting systems. It supports both local physical button control and smart device networking functions. Featuring laser precision positioning technology, the product enables fast and accurate device pairing and commissioning. It also provides intelligent light dimming to effectively reduce glare, deliver adaptive soft brightness control, and improve visual comfort.

This product can connect to standard Bluetooth Mesh networks. Paired with the dedicated HSE WISE app, it supports smart functions including device grouping, remote control, and scene linkage, meeting smart lighting control demands for residential, commercial, and office applications.

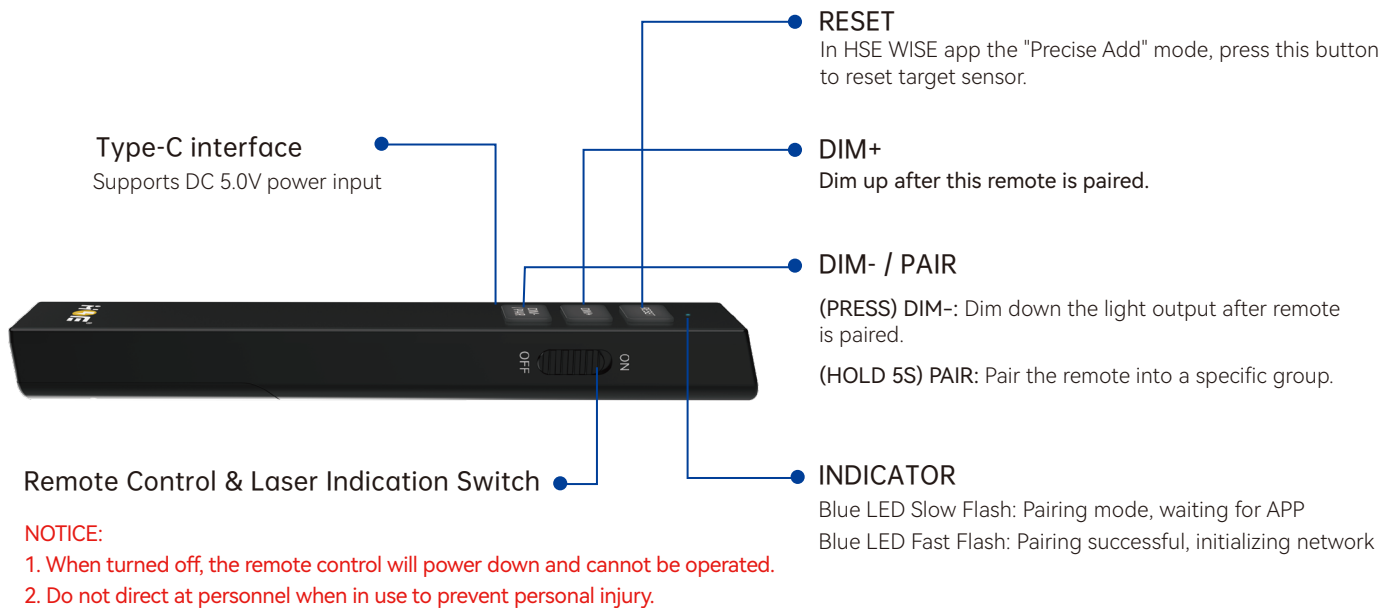
Technical Specifications

Parameter Name	Specification	Description
Power Supply	DC 3.3V (2×AA Batteries) / DC 5.0V (Type-C)	Dual Power Supply Mode
Operating Current	< 40mA	Normal Operating Status
Transmit Current	< 50mA	Wireless Signal Transmitting Status
Standby Power	< 0.5W	Low-Power Standby Design
Wireless Protocol	Bluetooth Mesh 2.4GHz	RF Frequency 2.4GHz
Bluetooth Control Range	> 30M	Effective Control Distance in Open Area
IR Control	15m (Control Range Radius < 1.8m)	IR Signal Control Distance
Laser Control	15m (Control Range Radius < 0.2m)	Laser Positioning Accuracy
Operating Temperature	-25°C ~ +60°C	Wide Temperature Compatibility
Protection Rating	IP20	Basic Dust & Shock Protection

Dimension



Button Instructions



Pairing & Usage Guide

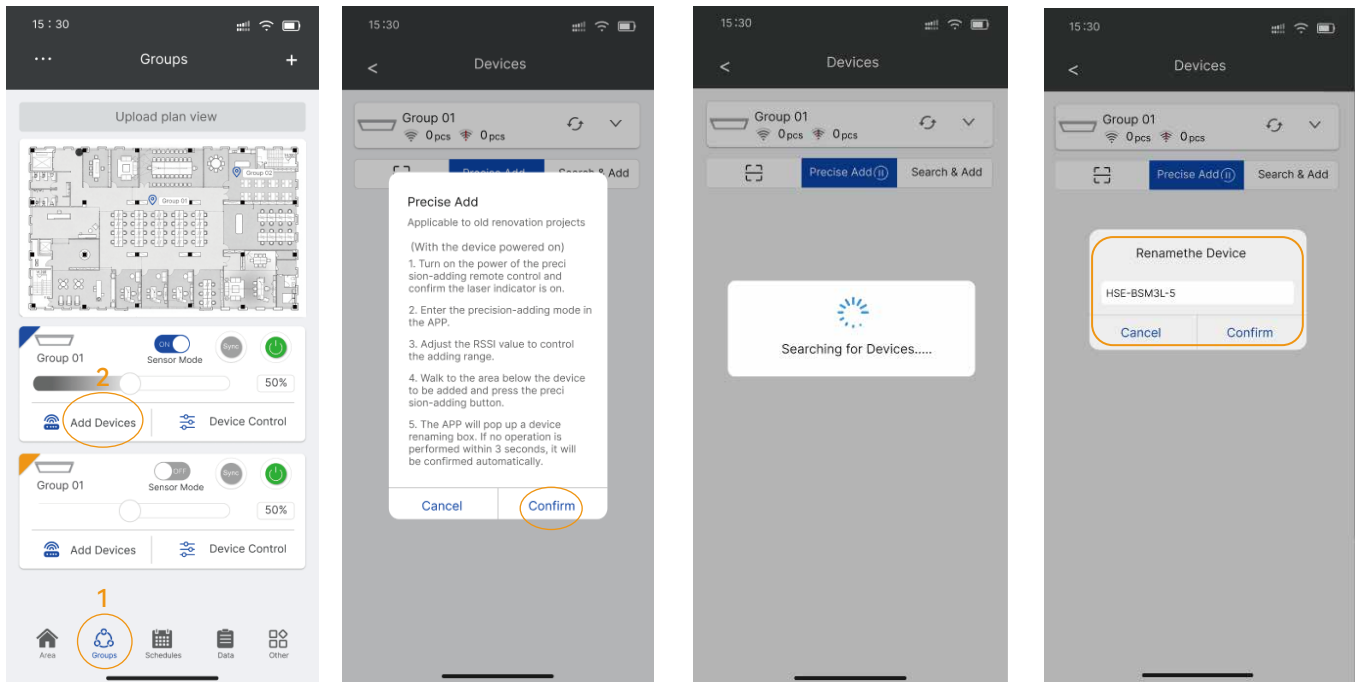
1. Preparation

- 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.
- Install batteries or connect Type-C power to turn on the remote control.



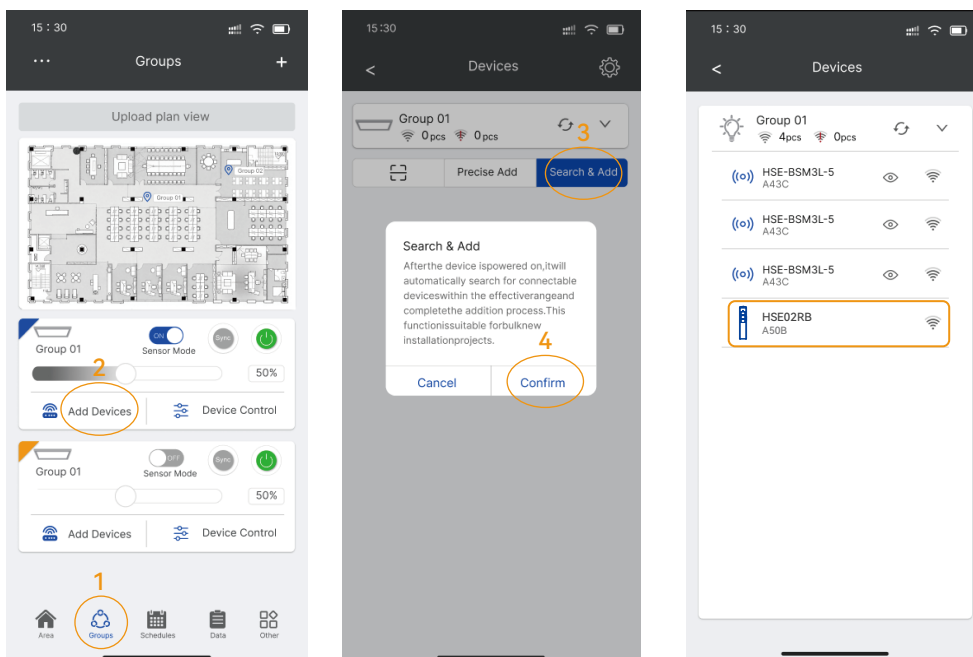
2. Precise Device Adding Operation

1. Log in HSE WISE app, enter into "Group" - "add device" - "Precise add", then "Confirm", now you're entered into the "precise adding" mode.
2. Turn on the remote control, aim at the target sensor then press "RESET" button
3. Sensor flashes meaning available for commissioning after successfully reset
4. New device adding page as small window showing on the page, choose "confirm" or leave it.



3. Device Pairing Steps

1. Press and hold the 3rd button "DIM-/PAIR" for 5s till the blue indicator light flashes slowly.
2. Log in HSE WISE app, enter into "Group" - "add device" - "Search & Add", then "confirm".
3. Then you can find the remote control in the device list.
4. Now you can use DIM+ and DIM- buttons to change the light output.



Troubleshooting

1. Failed to Connect / APP Not Finding Device

Possible Causes

1. Mobile Bluetooth is disabled.
2. Remote is not in pairing mode.
3. Excessive distance or signal interference.

Solutions

1. Enable mobile Bluetooth.
2. Long-press the reset button to enter pairing mode.
3. Move closer to the device and remove nearby wireless interference.

2. Unable to Control Lights

Possible Causes

1. Device not on the same Mesh network.
2. Low remote battery.
3. Device offline.

Solutions

1. Verify device and remote are on the same network.
2. Replace with new batteries.
3. Check power supply and network status.

3. Laser cursor not illuminating

Possible Causes

1. Insufficient battery power
2. Laser function disabled

Solutions

1. Replace the battery
2. Short-press the Laser key to activate the laser function

4. Indicator light not illuminating

Possible Causes

1. Battery installed in reverse polarity
2. Battery depleted
3. Abnormal Type-C power supply

Solutions

1. Check the correct polarity of the battery installation
2. Replace with a new battery
3. Inspect the Type-C power supply

5. Reduced control range

Possible Causes

Low battery power leading to reduced signal transmission power

Solutions

Replace with new AA batteries

Safety Information



To ensure safe operation, please read these precautions carefully before using this product.



1. Laser Safety Warning

This product is equipped with a laser positioning module. Do not look directly into the laser emitter to avoid eye damage. Do not point the laser at others' eyes.

2. Battery Safety

- Use only standard AA alkaline batteries. Do not mix old and new batteries, different brands, or rechargeable/non-rechargeable batteries.
- Do not dispose of batteries in fire or expose to high temperatures, which may cause leakage or explosion.
- Remove batteries if the product will not be used for an extended period to prevent leakage and corrosion of internal circuits.

3. Environmental Safety

- This product has an IP20 rating. Do not use in damp, wet, or dusty environments to avoid short circuits caused by liquid ingress.
- Do not place the product in high-temperature, direct sunlight, or near heat sources. Operating temperature must comply with specified requirements.

4. Service and Modification

Do not disassemble, modify, or repair this product. No user-serviceable parts inside. Unauthorized disassembly will void the warranty.

5. Maintenance

- When cleaning the product, use a dry, soft cloth. Do not use alcohol, detergents, or other chemical solvents, as they may corrode the product housing.
- Do not drop or impact the product, to avoid damage to internal electronic components.
- Do not place the product in humid, high-temperature, or strong magnetic field environments, to prevent performance degradation.
- If the product will not be used for an extended period, remove the internal batteries to prevent battery leakage from damaging the product.