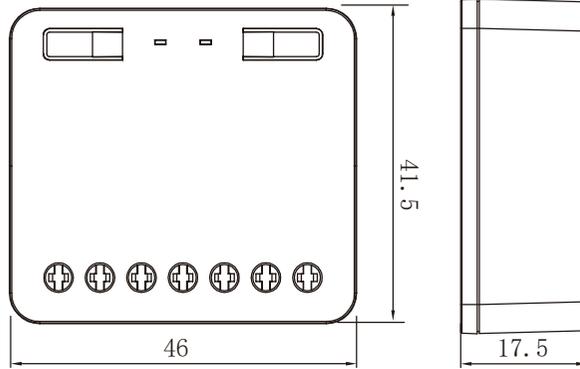


User Guide

Smart Dimmer Item NO.: D061-GB

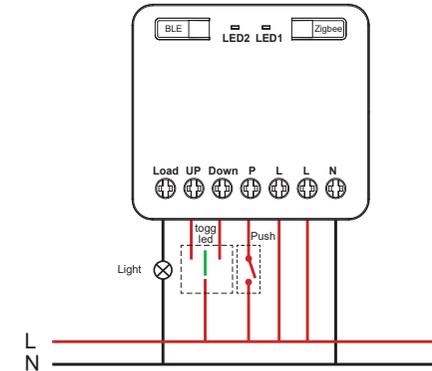


- ① Dual-protocol networking
- ② Turn on/off the lights
- ③ Electricity Statistics
- ④ Over current protection

1. Technical Data

Model No.	D061-GB
Description :	Smart dimming switch
Input Voltage:	AC100V-240V
Input frequency:	50/60Hz
communication protocol:	Zigbee3.0+Bluetooth5.0
Gateway:	Hue, Homey, Homey pro, redbox, redbox pro, hue, home assistant, future home, eva smart home
Load: LED:	1-300W
Incandescent:	1-300W
Halogen:	1-300W
Dimming mode:	Leading-edge/Trailing-edge
Control Way:	One way
Enclosure :	PC
Dimension(mm):	46*41.5*17.5mm

2. Dimmer wiring diagram



3. Operating and function

3.1 APP Download

For Android phones, please download the Halo app, Homey, and Home Assistant from Google Play. For iPhones, please download them from the Apple App Store.

3.2 Halo app Zigbee network configuration

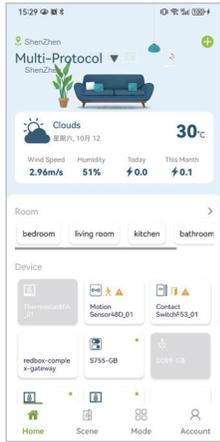
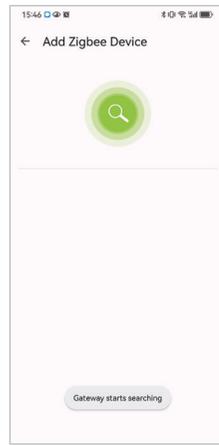
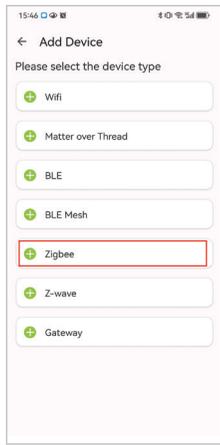
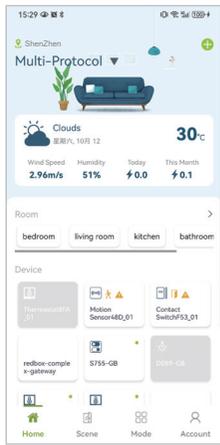
3.2.1 Add Gateway

To add devices under the gateway, you can remotely control the devices through the mobile app.

- 1) Open Halo app, add redbox-comple- gateway.

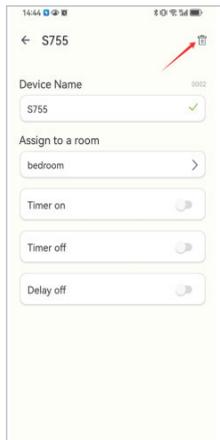
3.2.2 Add Device

- 1) Please power on the device, press the Zigbee button once briefly. The green light will blink slowly, indicating that the device has entered Zigbee network configuration mode.
- 2) Open the Halo app and tap the "+" in the upper right corner. Select Zigbee to start searching for devices.
- 3) Once the device is found, the app will automatically connect.
- 4) After successfully adding the device through the app, the green light will remain on steadily. Open the app, long-press the device icon in the device list to enter the control interface where you can control the load lighting fixtures.
- 5) If the device is not added using the app within 3 minutes or if the addition is unsuccessful, the indicator light will turn red and stay on for 5 seconds. The device will automatically exit network configuration mode, and you will need to press the Zigbee button once to re-enter the network configuration mode. When the network is disconnected, the green light will turn off.



3.2.3 Unbinding Devices

- 1) To unbind a device via the APP: Open the APP, navigate to the control interface, and click the delete button to unbind the device.



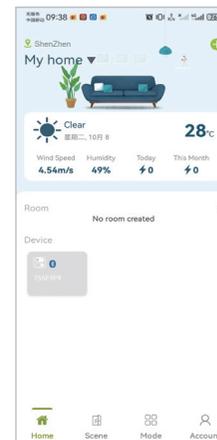
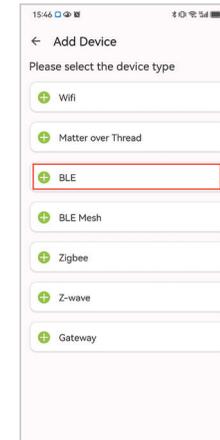
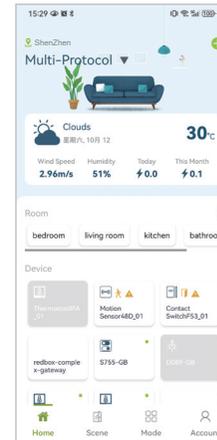
2) Unbinding on the device side

Press the Zigbee button once briefly, followed by a long press for 10 seconds. The LED1 indicator will light up steadily in red for 5 seconds, indicating successful network departure. After leaving the network, your device will be unbound from the app, and the app will no longer be able to control the light fixture. It is necessary to reconnect to the network.

3.2.4 Zigbee Direct Mode Connecting to Mobile Phone

If your mobile app has not added a gateway, you can directly pair the mobile app with the device through this mode. However, there is a distance limitation when operating the mobile app.

- 1) Press the BLE button once for a short duration, and the indicator LED2 will start to slowly flash blue.
- 2) Open the mobile app, click the "+" in the top right corner, select "BLE", and start searching for devices. Once the device is found, the app will automatically connect.
- 3) A constant blue light indicates that the pairing is successful.
- 4) Operate the app control.
- 5) If pairing is not successful within 2 minutes or if no pairing attempt is made within 2 minutes, the red light will stay on for 5 seconds. You need to re-enter pairing mode.
- 6) Only one device can be paired at a time, and up to six devices can be paired.



3.3 Mode Transition

This product features two modes: Zigbee mode and Bluetooth Mesh mode.

3.3.1 Switching from Zigbee Mode to Bluetooth Mesh Mode

- 1) Press and hold the BLE button for 10 seconds. The LED2 indicator will flash blue rapidly for 5 seconds, and the LED1 indicator will turn off, indicating a successful switch.

3.3.2 Switching from Bluetooth Mesh Mode to Zigbee Mode

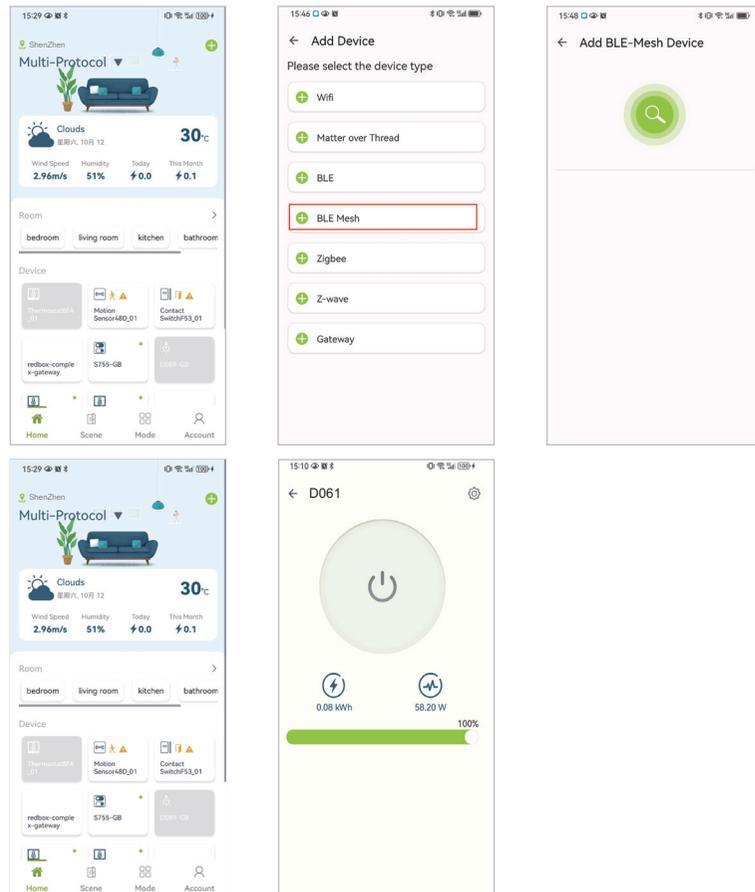
- 1) Press and hold the Zigbee button for 10 seconds. The LED1 indicator will flash green rapidly for 5 seconds, and the LED2 indicator will turn off, indicating a successful switch.

3.4 Halo app Bluetooth Pairing

You must add the Red Box gateway before continuing. For adding the gateway, refer to Section 3.2.1."

3.4.1 Adding a Device

- 1) Power on the device and press the Blue button once briefly. The LED2 indicator will slowly blink blue, indicating that the device has entered BLE pairing mode.
- 2) Open the Halo app, tap the "+" icon in the top right corner, select "Blue Mesh," and start searching for devices.
- 3) Once the device is found, initiate the connection.
- 4) After successfully adding the device via the app, the LED2 indicator will light up steadily blue, allowing you to control the device using the app.
- 5) If the device is not added within 2 minutes or if the addition fails, it will automatically exit pairing mode. Press the Blue button once briefly to re-enter pairing mode.



3.4.2 Unbinding a Device

- 1) Unbinding via the App: Refer to Section 3.2.3-1.
- 2) Unbinding via the Device: Press the Blue button once briefly, then hold it for 10 seconds. The LED2 indicator will light up steadily red for 5 seconds, indicating successful disconnection from the network.

3.5 Remote Control

3.5.1 Touchlink

This mode requires entering Zigbee mode; Bluetooth Mesh mode is not supported, and no gateway is needed.

- 1) Disconnect both the remote control and the device from the network.
- 2) Press the Zigbee button on the device twice briefly. The LED1 indicator will slowly blink blue, indicating that it has entered Touchlink mode.
- 3) Enter Touchlink mode on the remote control.
- 4) When the LED1 light stays on for 5 seconds, it means the remote control has successfully paired with the device.
- 5) Use the remote control to operate the lighting.
- 6) If the device does not pair with the remote control or fails to pair successfully within 3 minutes, the red light will stay on for 5 seconds. You need to re-enter Touchlink mode.
- 7) In Touchlink mode, one product can only be paired with one remote control.

3.5.2 Remove TouchLink

This mode is for unbinding the remote control from the device. Refer to the remote control manual for instructions on how to operate on the remote control end.

3.5.3 Find and bind

This mode requires entering Zigbee mode; Bluetooth Mesh mode is not supported, and a gateway is needed.

- 1) First, add both the product and the remote control to the same network via the app.
- 2) Press the Zigbee button on the device three times briefly. The LED1 indicator will slowly blink purple, indicating that it has entered Find and Bind mode.
- 3) Enter Find and Bind mode on the remote control. The remote control and the product will start pairing.
- 4) After successful pairing, there will be no prompt on the product side to indicate success. You can operate the remote control to determine if it has been successfully paired.
- 5) In Find and Bind mode, one product can be paired with up to 30 remote controls at the same time.
- 6) The duration of Find and Bind mode is 3 minutes. If not paired within 3 minutes, you need to re-enter the mode.

3.5.4 Unbind Find and Bind

Refer to the remote control manual for instructions on how to operate on the remote control end.

3.5.5 Clear All Devices from Find and Bind

Refer to the remote control manual for instructions on how to operate on the remote control end.

3.5.6 Zigbee Mode Bluetooth Direct Connection to Remote Control

This mode requires entering Zigbee mode; Bluetooth Mesh mode is not supported, and no gateway is needed.

- 1) Press the BLE button on the device once briefly. The LED2 indicator will slowly blink blue.
- 2) Enter Bluetooth pairing mode on the remote control.
- 3) A steady blue light indicates a successful pairing.
- 4) Use the remote control to operate the lighting load.
- 5) If the pairing is not successful within 2 minutes or if there is no pairing within 2 minutes, the blue light will turn off, and you need to re-enter pairing mode.
- 6) Only one device can be paired at a time, with a maximum of six devices that can be paired.

3.5.7 Bluetooth Mesh Mode Direct Pairing with Remote Control (No Gateway)

- 1) Switch the device to Bluetooth Mesh mode by pressing the BLE button once briefly. The LED2 indicator will slowly blink blue.
- 2) Enter Bluetooth pairing mode on the remote control, and start pairing with the device.
- 3) Once the remote control has successfully paired with the device, the LED2 light will stay on steadily. You can use the remote control for operation.
- 4) If the remote control does not pair with the device within 2 minutes or if the pairing fails, it will automatically exit pairing mode. Press the BLE button once briefly to re-enter pairing mode.

3.6 Restore to Factory Settings

After successfully restoring to factory settings, the device will disconnect from the network, and all settings and parameters will be cleared.

3.6.1 Zigbee Mode

- 1) Press the Zigbee button twice briefly, then hold it for 10 seconds. The LED1 indicator will stay on steadily in red for 5 seconds, indicating that the reset is successful.

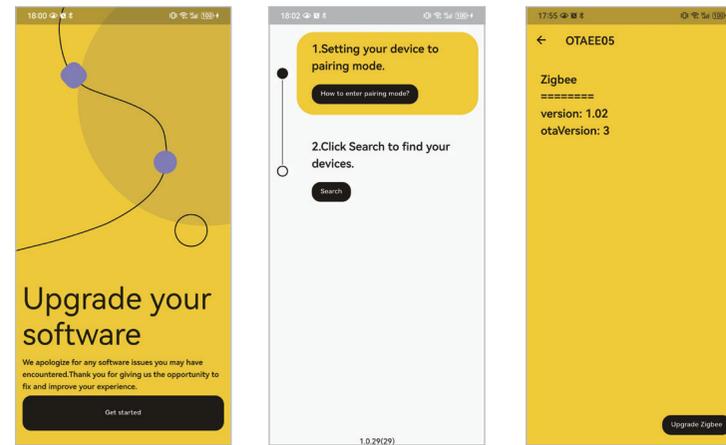
3.6.2 Bluetooth Mesh Mode

- 1) Press the Blue button twice briefly, then hold it for 10 seconds. The LED2 indicator will stay on steadily in red for 5 seconds, indicating that the reset is successful.

3.7 OTA (Over-the-Air Update)

3.7.1 Zigbee Mode

- 1) Press the Zigbee button 10 times briefly. The LED1 indicator will alternate between red and blue, and the load light will turn off, indicating that the device has entered OTA mode.
- 2) Open the OTA app and click "Search" to search for devices.
- 3) Once the device is found, begin the upgrade process.
- 4) After a successful OTA, the indicator lights will return to their initial state.



3.7.2 Blue Mesh Mode

- 1) Press the BLE button 10 times briefly. The LED2 indicator will alternate continuously between red and green, and the load light will turn off, indicating that the device has entered OTA mode.
- 2) Open the OTA app and click "Search" to search for devices.
- 3) Once the device is found, begin the upgrade process.
- 4) After a successful OTA, the indicator lights will return to their initial state.

3.7.3 OTA Notes:

- 1) OTA cannot be performed if the firmware versions are identical.
- 2) The device can only perform OTA updates with firmware specific to its current mode.
- 3) If the device loses power during the OTA process and is repowered, the OTA process will automatically resume.

WARNING

- a. Installation must be carried by a qualified electrician.
- b. Before installation, please check whether it conforms to local electric standards
- c. Power supply must be turned off when installed and clean the dimmer. Wipe the surface dust or dirt with soft cloth or tissue, do not use the detergent or other corrosive chemical solution.
- d. Please place and protect the cover properly when it's in installation to avoid the damage.
- e. There is no strong impact, vibration, electromagnetic field interference, corrosion, or dusty gas around the usage environment
- f. The product should avoid frost, condensation, water seepage, rain, etc.