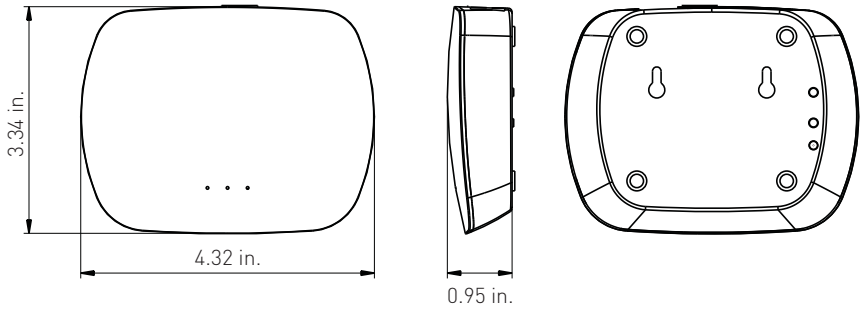
LED WiFi Controller Hub
AL-60-03-0008

- Works with: Receiver for Wireless Remote Controllers (AL-60-03-0004) or DMX Decoders (AL-60-03-0007)

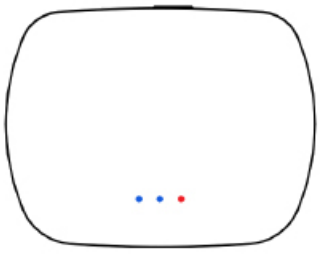
The LED WiFi Controller Hub works with the Receiver for Wireless Remote Controllers (AL-60-03-0004 - sold separately) or DMX Decoders (AL-60-03-0007 - sold separately) to provide WiFi control of Radialux® RGB and RGB-W Tape Lights using a smart phone. The WiFi Hub offers not only powerful, dynamic color control options, but also a convenient way to control LED lights by eliminating the need for a separate remote control. It is easy to use with the included free smartphone app.

- RF Frequency: 2.4G
- Compatible Mobile Devices: Apple iOS, Android
- Includes 12V DC plug-in adapter (for powering the hub itself)
- Max. receivers per remote control: 20

Dimensions

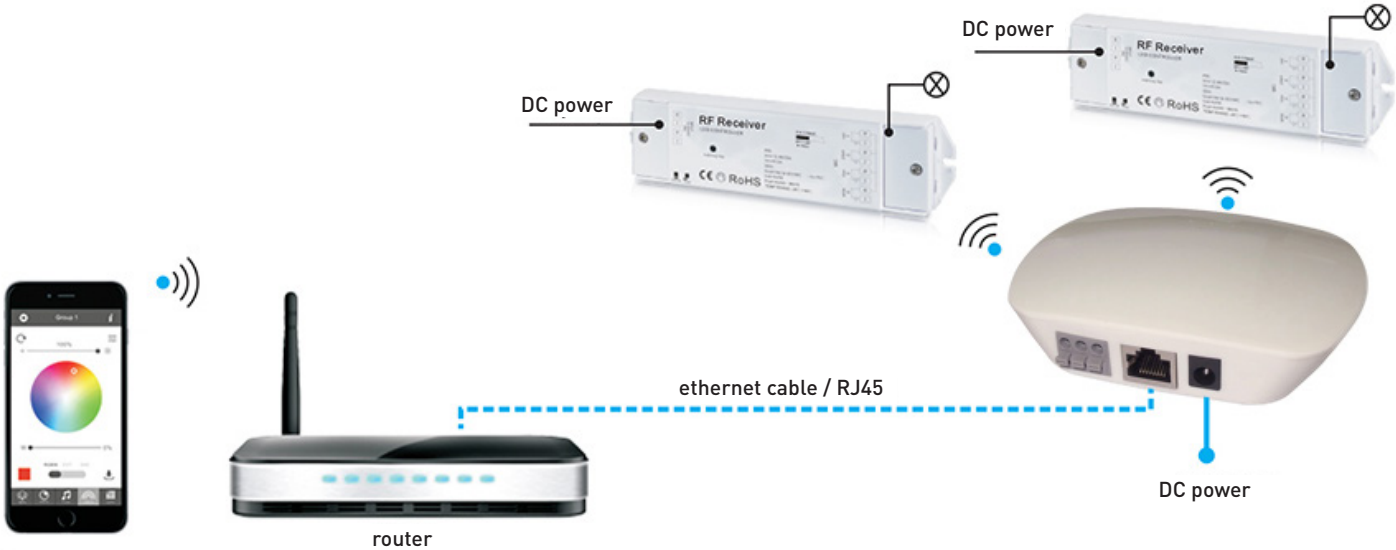


Indicators



Indicator Lights:
left (blue) = WiFi is transmitting
middle (blue) = error
right (red) = unit powered on

Using the WiFi Hub with Wireless Receivers (AL-60-03-0004)



1. Connect the Radialux tape light and Wireless Receiver according to the instructions on the Wireless Receiver specification sheet.
2. Download the LED WiFi Controller Hub application from the Apple app store or Google Play by searching for "easylighting" or scanning a QR code (right).
3. Verify that your cell phone is connected to the router / home network.
4. Open the WiFi Hub "easylighting" application and operate according to the application manual.

Android

iOS

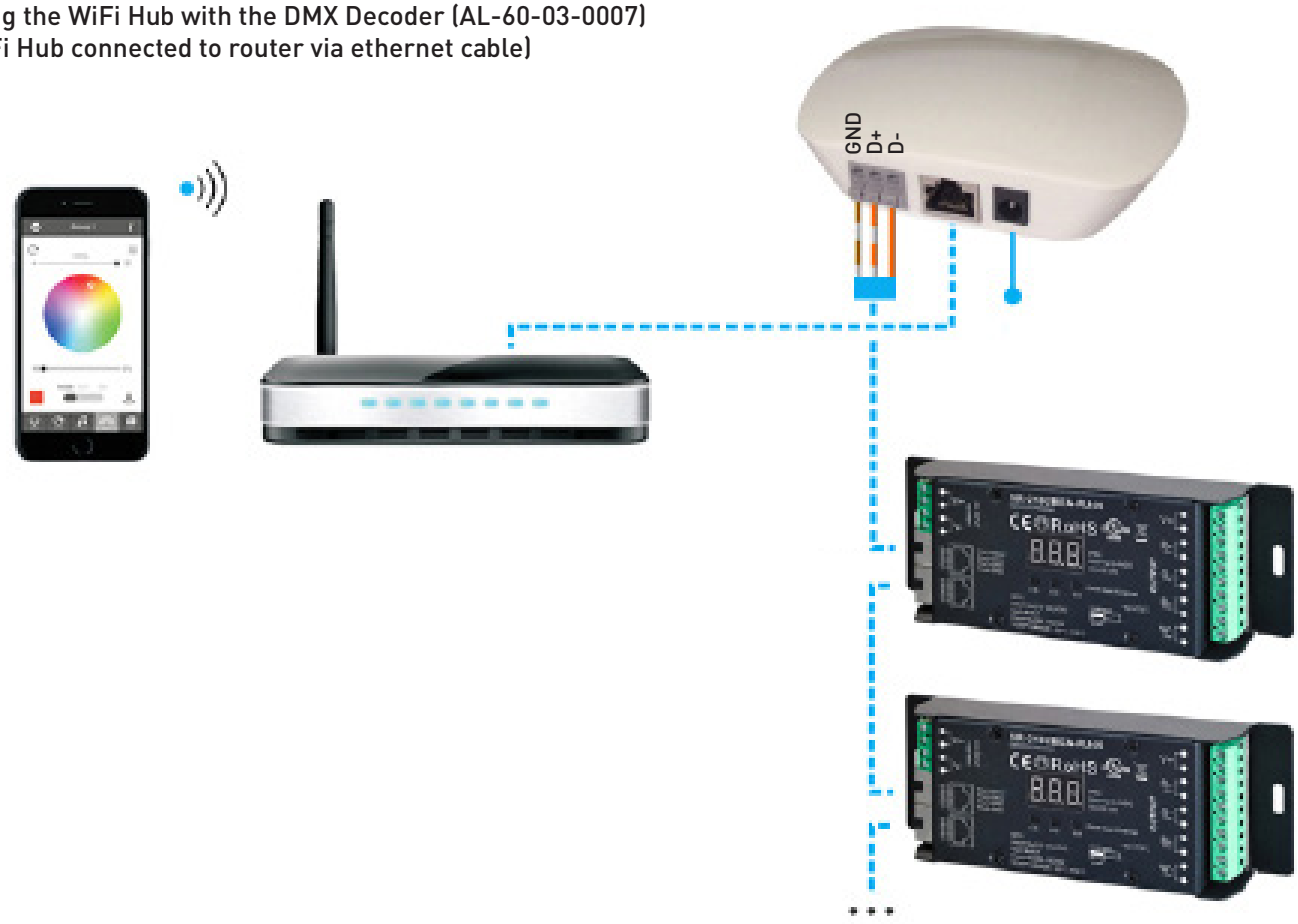
Using the WiFi Hub with the Receiver for Wireless Remote Controllers (AL-60-03-0004)

1. Connect the Radialux® tape light and Wireless Receiver(s) according to the instructions on the Wireless Receiver specification sheet.
2. Download the LED WiFi Controller Hub application from the Apple app store or Google Play by searching for "easylighting" or scanning a QR code (right).
3. Connect your cell phone to WFi Hub network directly. (Password: 0123456789)
4. Open the WiFi Hub "easylighting" application and operate according to the application manual.

Android

iOS

Using the WiFi Hub with the DMX Decoder (AL-60-03-0007)
(WiFi Hub connected to router via ethernet cable)



1. Connect the Radialux tape light(s) to the DMX Decoder(s) according to the instructions on the DMX Decoder specification sheet. Be sure to install the decoders so they can be accessed later, the digital interfaces will be used to assign zones.
2. Important: They will need to connect via RJ45 cable back to the modem from the wifi hub.
3. If using multiple decoders, wire according to the diagram above.
4. Set the following addresses on the digital interface of each decoder. Each room may have multiple decoders. Decoders in the same room get the same address. Push the first button on each decoder for a few seconds until the numbers blink. Then short press each button to set the address. As an example, let's suppose there are five rooms. The decoder in each room will get one of the following addresses:

   Room #1: 001 Room #4: 013
   Room #2: 005 Room #5: 017
   Room #3: 009
5. Download the LED WiFi Controller Hub application from the Apple app store or Google Play by searching for "easylighting" or scanning a QR code (see previous page).
6. Open the app. Go to app 'Setting' then click the "Connect the WiFi LED controller to your home network" button. Link to your home network.
7. Go to the 'Room' section of the app. In the "Room" section, the following are the default rooms: Bedroom, Kitchen, Washroom, Living Room, and Bathroom. (Each of these rooms can be renamed after the process of assigning a light color to each room is complete.) To match the order of the decoders to to the order of rooms in the app, assign each decoder a room in this order: Bedroom, Kitchen, Washroom, Living Room, Bathroom, etc.
8. In the 'Room' section, choose what the room labeled 'Bedroom'. A green check mark will appear.
9. Go to the 'Setting' section again. Click the box that says "Use direct Easy Lighting connection with the WiFi LED controller"
10. Click 'Yes' when this prompt appears: 'Your mobile phone is already connected to the WiFi controller?'
11. Select the desired color on your color wheel.
12. Go back to the 'Room' section. Uncheck the Bedroom and check the next room. Repeat steps 8, 9, and 10. Go through these steps one room at a time. To assign different rooms the same color, check those rooms before selecting the color on the color wheel.
13. Do not click 'Save', settings are automatically saved and clicking "Save" again will override your settings. and they may be lost.

LED WiFi Controller Hub "EasyLighting" Application Instructions

Install the App

Download the LED WiFi Controller Hub application from the Apple app store (the app is called "easylighting easylife" by author Gong Fei) or Google Play by searching for "easylighting".

Set Up the WiFi Hub

Hard-Wired Connection to Router (Recommended):

Connect the WiFi Hub to your router using the included CAT-5 (ethernet) cable. This will allow you to operate the controller on the same network you use for the Internet.

1. Open the easylighting application on your smart phone. There will be a message saying "wireless device not found" - click OK.
2. Go to "Settings" (P1)
3. Select "Connect WiFi LED controller to your home network" (P1)
4. A dialog box saying "Your mobile phone is already connected to the WiFi controller?" Select "yes", the app will automatically search for the router. (P2) (P3)
5. Choose your router to connect.
6. Enter the WiFi network password and then press OK. (P3) (P4)

To Connect Wirelessly to the WiFi LED Controller:

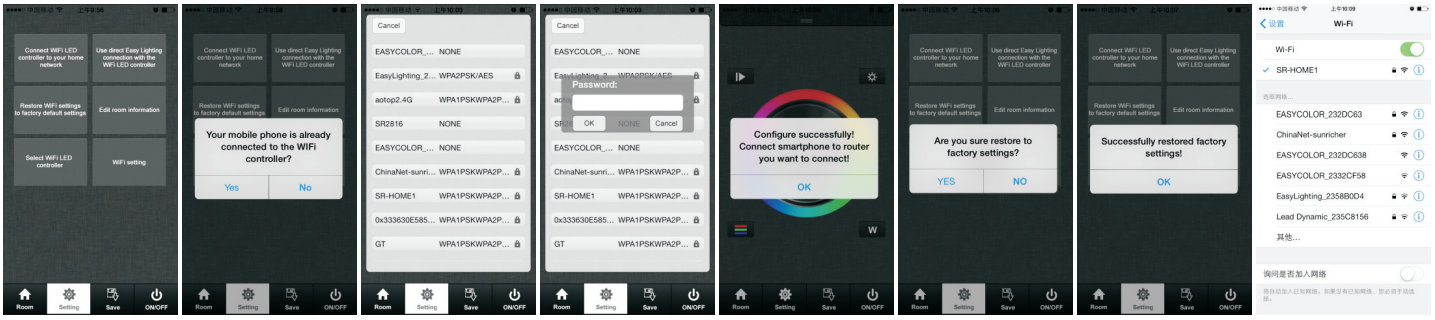
This will operate the controller on its own network and requires your mobile device to be disconnected from other wireless networks.

1. Open the easylighting application on your smart phone. There will be a message saying "wireless device not found" - click OK.
2. Go to "Settings" (P1)
3. Press "Use direct EasyLighting connection to the WiFi LED controller." (P1)
4. Press yes. (P2)

Restore the WiFi Settings to the Factory Default Setting

When we connect to the WiFi Hub through an existing WiFi network, Easylighting will not appear in the list of available networks unless we reset the router. Then we can use this button to restore the WiFi controller to factory settings. (This function is only used when connecting to an existing WiFi network).

1. Connect to the existing WiFi network and make sure the WiFi Hub is already configured to this network.
2. Go to "Settings" (P1)
3. Select "Restore WiFi settings to factory default settings." (P6)
4. Press yes. A dialog box will indicate that it has successfully restored factory settings. Press "OK" (P7)
5. After around 1 minute, Easylighting will appear in the network list again. (P8)



P1 P2 P3 P4 P5 P6 P7 P8

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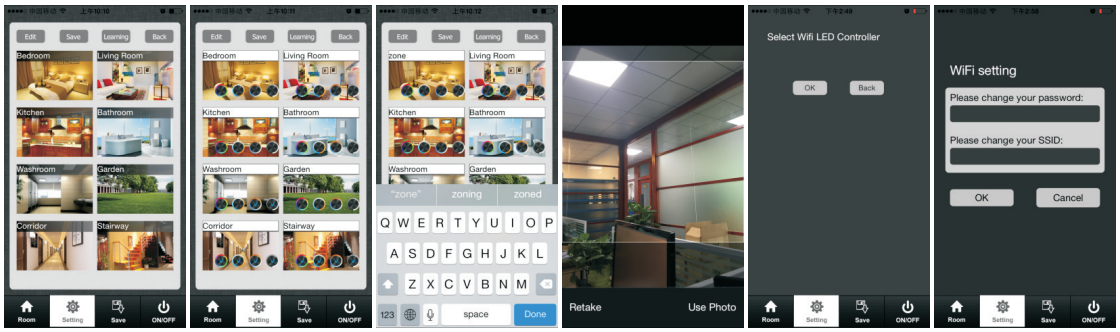


P9 P10 P11 P12 P13 P14

Creating and Editing Rooms (Zones)

Go to "Settings" (P1) . Press the "Edit Room Information" button (P1) and the room editing page will appear. (P9)

Edit the room name:

1. Press the Edit button. (P9)
2. Select the room ("bedroom" for example).
3. Delete the old name and enter a new name ("zone" for example). (P11)
4. Press the Save button. (P11)

Change the image for a room:

1. Press the Edit button. (P9)
2. Tap the image of a room. (P10) The camera will open automatically.
3. Take a picture.
4. Click "use photo". (P12)
5. Press the Save button. (P10)

Assign a color wheel for the room:

1. Press the Edit button. (P9) Four color wheel images will appear.
2. Uncheck the wheels that you don't want to select, leaving the wheel checked that you want to select. (P10)
3. Press Save.
4. After editing, click the Back button to return to Settings.

RGB / RGB-W

CCT (cool/warm white)

CDW (cool/neutral/ warm white)

single color white

Note: Different zones which are assigned different color wheels cannot be commanded at same time.

Different zones which are assigned the same color wheel, or are not assigned to any color wheel, can be selected at the same time.

Select an LED controller (P13)

1. When connecting the Easylighting app directly to the WiFi Hub, you can select only one controller at a time.
2. When connecting the Easylighting to the WiFi Hub via a home network, you can select several controllers at a time.

WiFi Hub Settings (P14)

1. Change the password of WiFi controller
2. Change the SSID name of controller

Learning (Pairing)

First method:

1. Select any one room. There will be green checkmark on the upper right side.
2. Press the Room button.
3. Short press the learning key on the Wireless Receiver.
4. Touch the color wheel in the app. The LED lights will blink to confirm the room designation.

Second method:

1. Enter Settings and select "Edit Room Information".
2. Press the learning key on the Wireless Receiver.
3. Press the Learning button in the application.
4. Then select the zone/room after that. The LED lights will flash to indicate successful pairing.
5. Press Save.

To unlearn the room designation, press the learning key on the Wireless Receiver for at least 5 seconds until the LED lights flash, then the learned ID is deleted.

Pairing with the Remote Control:

If you have a remote control that is compatible with the Wireless Receiver, it can also be used for pairing. The "Easylighting" app will follow the zones established by the remote. For example, if you set up zone 2 with the remote, then you can use the app to control zone 2 directly without pairing.

Controls & Features

Room Button

1. Press the Room button
2. Short press the middle of a room picture.
3. A green checkmark at the upper right corner of the picture indicates it has been selected. Multiple rooms can be choose at the same time.
4. Press the Room button again to confirm the room selection. The top of the picture will indicate the name of the selected room.

Long press the middle of the room picture to turn on/off the corresponding rooms/zones. There will be a red "off" mark at the upper right corner of the room picture when the room is switched off.

P15 P16 P17

Color Wheel

There are four different color wheels you can select for a room that has not been edited: RGB-W/RGB, CDW, CCT, and single color.

Scroll through color wheels by swiping the upper area of the screen down. (P17)

Or fast press twice to enter the color wheel selection interface to choose a color wheel (P18)

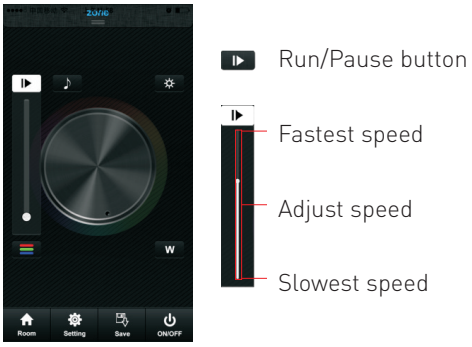
P18

Run/Pause Button

The Run/Pause button (P19) can be used in the RGB and CDW color wheels: the following shows RGB as an example.

Press the Run/Pause button to run a mode. Press once to run the first mode. Press the button again to pause. Press again to run the next mode. There are a total of 10 build-in modes. If you select a color on the wheel after pausing, the mode will return to the first mode.

Long press the Run/Pause button and the LED lights will flash twice to indicate that the running mode in different zones will be switched from Synchronized to color-changing or from color-changing to Synchronized running.



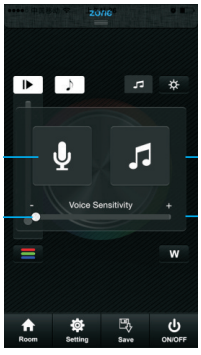
P19

Music (P20)

In Voice mode, the LED lighting will change in response to a voice nearby. The louder the voice, the faster the speed of this mode. The LED lighting will return to the adjusted speed when no voice is present.

In Music mode, the LED lighting will change in response to a voice nearby. The louder the voice, the faster the speed of this mode. The LED lighting will return to the adjusted speed when no voice is present. When you press the music note key, your mobile device's music player will open.

Move the slider to the left to increase the microphone sensitivity, so that a quieter voice will slow down the mode. Lower the mic sensitivity by moving the slider to the right.



P20

RGB/White Brightness Slider (P21)

This button can be used in the RGB and CDW color wheels: the following shows RGB as an example.

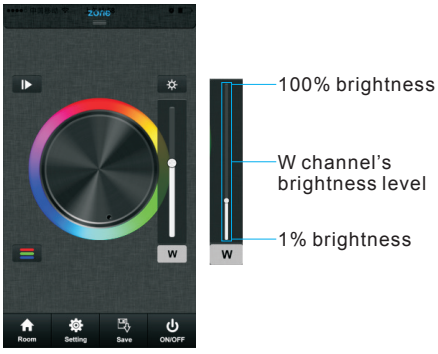
1. Short press the "W" button.
2. Brightness level can be adjusted from 0-255 to an accurate color.

Note: Before adjusting the color using the color sliders, the LEDs may already be displaying an existing color, so you will need to clear each channel first: move the slider in each channel to any level, then move it back to zero. The RGB lighting will then turn off, which means the channels have been cleared successfully.

P21

W (White) Button (P22)

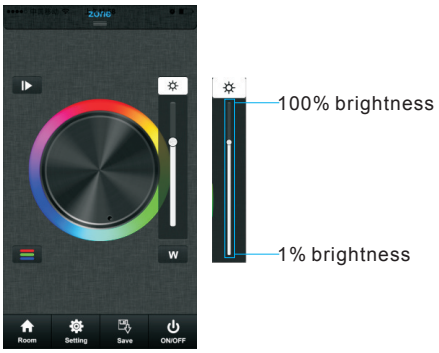
This button only exists in the RGB-W/RGB color wheel, when using RGB-W tape light, to adjust the White channel brightness. Long press the W button turn the White channel on or off independently. You must use the W button to adjust the brightness of the W channel independently.



P22

Brightness Button (P23)

The Brightness button exists in the RGB-W/RGB, CDW and CCT color wheels. It adjusts the brightness of all channels.



P23

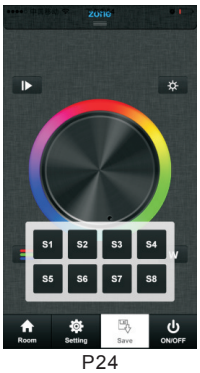
Save/Recall Button (P24)

Save

1. Select a room/zone.
2. Select a color or a color-changing mode.
3. Short press the Save button.
4. Long press one of the buttons from S1 to S8.
5. The LED lighting will flash to indicate the setting has been saved successfully.

Recall

1. Select a room/zone.
2. Short press the Save button.
3. Short press one of the buttons from S1 to S8.
4. The LED lighting will display the saved setting.



P24