2.4G Mesh+Sensor Single Color LED Controller

CE FC ☘RoHS COMPLIANT

Important: Read All Instructions Prior to Installation

Function introduction

12-24VDC Power input

4 Channels single color LED outputs

Sensor signal input

Program Key: pair & delete pairing with 2.4G mesh remotes & APP

LED indicator, normally stays off, flashes when receives control signal

12-24VDC Power output
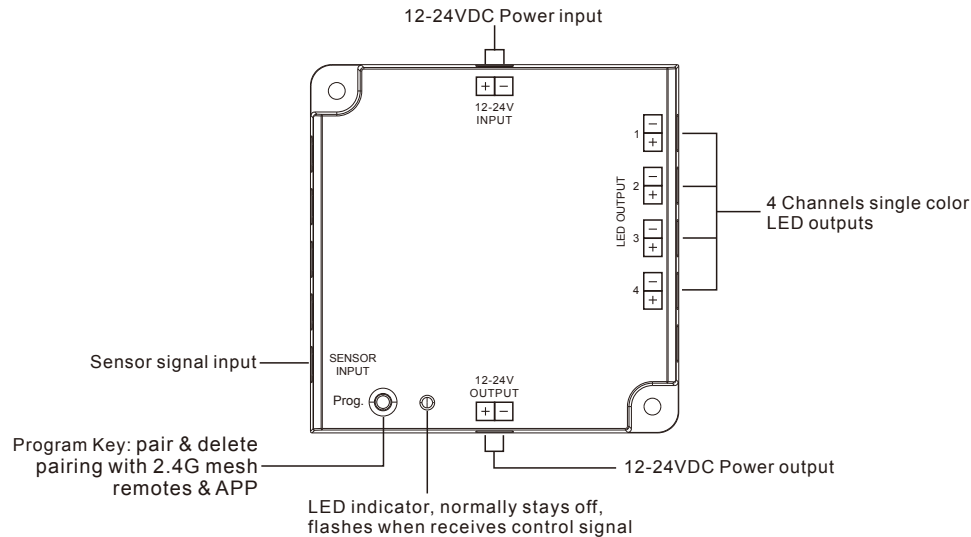
Product Data

Signal Input	Input Voltage	Output Voltage	Output Power	Output Current	Size (LxWxH)	Working Temp.
2.4G Mesh	12V	4x12V	0-48W	Max.4A	70x70x16mm	-20°C-+50°C -4°F- +122°F
	24V	4x24V	0-96W	Max.4A		

• 2.4G Mesh+Sensor single color LED controller, radio frequency: 2.4GHz
• Super slim design, plug and play, easy to use
• 4 channels single color LED outputs, controlled simultaneously
• Enables to control ON/OFF, light intensity of connected single color LED lights
• Controlled through both smart App and remote controls, no gateway required for local control
• The controller can be configured as 2 different light types: DIM, ON/OFF using the smart APP
• Easy & quick pairing to the smart App by simply pushing the Prog. button
• Mesh network, much longer control distance, transmits received signal to neighbor devices
• Up to 30m transmission distance between every two neighbor devices
• Encrypted two-way communication, quick status feedback, safe & reliable data transmission
• Compatible with universal 2.4G mesh remotes, each LED controller can pair to max. 8 remotes
• Cloud control is available for remote access, works with Amazon Alexa and Google Home
• Waterproof grade: Ip20

Safety & Warnings

• DO NOT install with power applied to device.
• DO NOT expose the device to moisture.

Operation

Pair/delete the pairing with 2.4G Mesh remote

1. Do wiring according to connection diagram.
2. Pair LED controller with 2.4G mesh remote: please refer to the instruction of the remote that you would like to pair with.
3. Delete the pairing:
   (1) Wire up the LED controller correctly, power on.
   (2) Press and hold down the **"Prog."** button on the controller for over 3 seconds (or reset power of the device 8 times continuously if the button is not accessible to factory reset the device) until the connected light flashes, which means well deleted.
Note: factory resetting will restore all configured parameters of the device on the APP to factory default setting.

Pair with smart APP

1. Do wiring according to connection diagram.

2. Download EasyThings APP from IOS APP Store or Android Google Play to your smart phone or tablet by searching "EasyThings". (As shown in **Figure 1**)

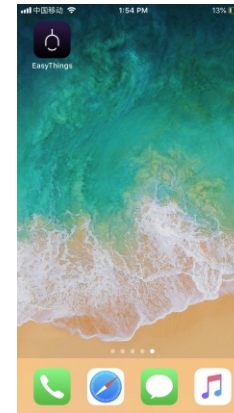3. Enable Bluetooth on your smart phone or tablet. (As shown in **Figure 2**)
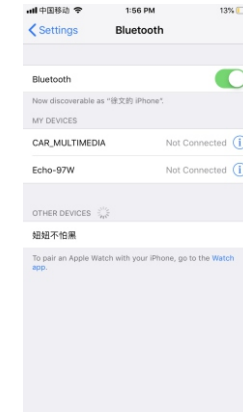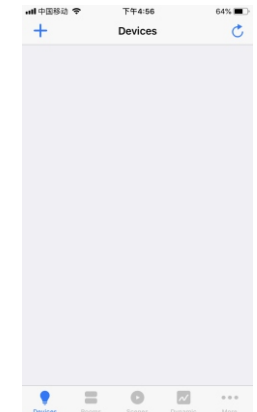

Figure 1   **Figure 2**   **Figure 3**

4. Run Easythings APP, tap add button " + " on the APP to add device, then choose "Discover devices" to discover device, then **short press the "Prog." button on the LED controller twice** (or **reset power of the controller twice continuously**) to set the device into pairing to APP mode. (As shown in **Figure 3** & **Figure 4** & **Figure 5**)
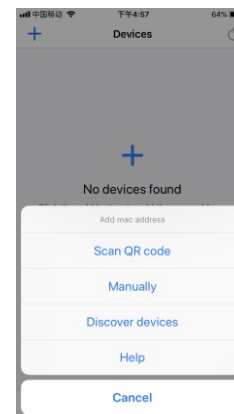

Figure 4   **Figure 5**   **Figure 6**
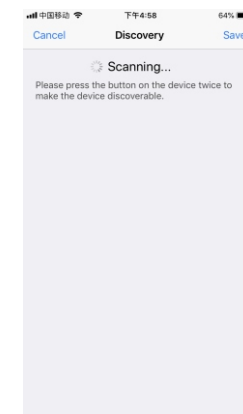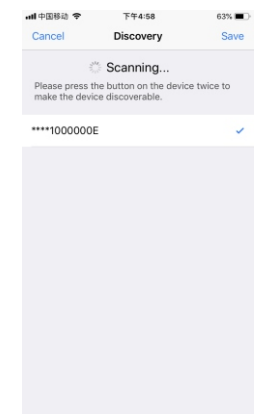
Note: multiple LED controllers can be discovered by the APP at the same time.

5. Once the device/devices are discovered, tick the device/devices and tap "Save" button, the device/devices will be added successfully. (as shown in **Figure 6**)
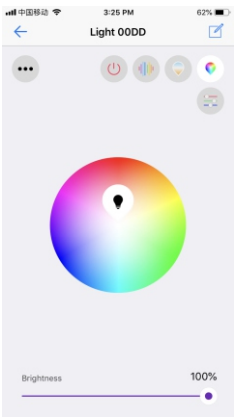
Configure Light Type Using smart APP

1. Press and hold the device icon to enter into control interface, then tap button " 🖊 " at upper right corner to enter into edit page of this device (As shown in **Figure 7** & **Figure 8**).

2. Then tap "**Light Type**" to enter light type configuration page, for this driver, it can be configured as 2 light types: **DIM, ON/OFF**. Once select a Light Type, tap " ✔ " at upper right corner to confirm, the connected light will flash to indicate successful configuration. (As shown in **Figure 8**)
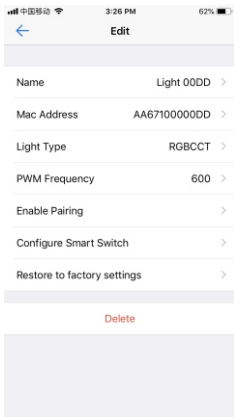
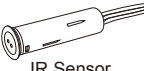

Figure 7   **Figure 8**
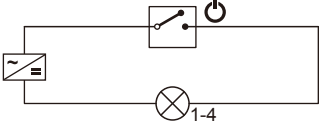
| IR Sensor	This IR sensor has the function to switch on/off the lights plugged into the LED controller. • 5-10cm detection range. • Plug and play solution. • Cut out diameter of 12.5mm. • 1m connection cable.

Sensor Control

When connected to an IR sensor, all 4 LED outputs will be controlled together by the sensor. Swipe hand in detection range of the sensor to switch on/off all 4 LED outputs.

Wiring Diagram

Power Supply

12 V
24 V

100-240V~

Sensor signal input

IR
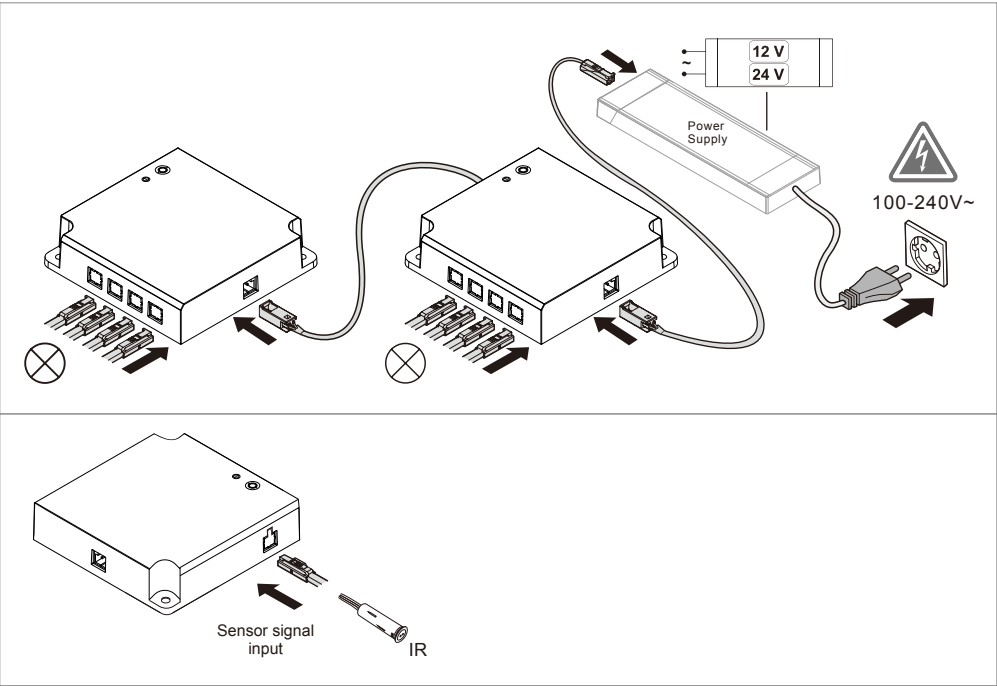
Product Dimension

70 mm

70 mm

16.00 mm
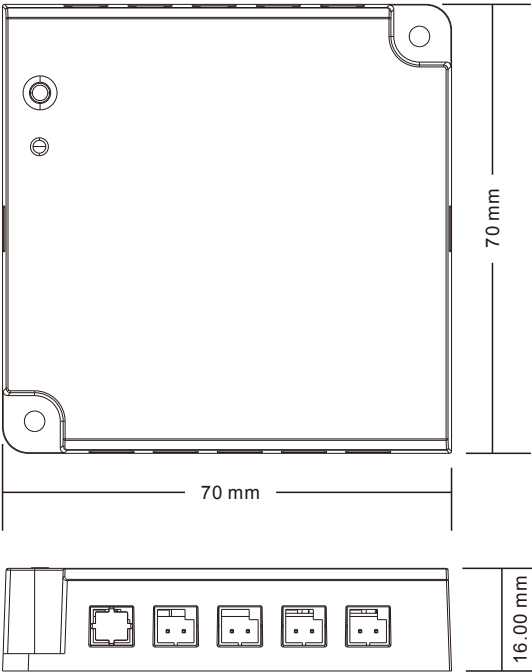
FCC STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-- Reorient or relocate the receiving antenna.

-- Increase the separation between the equipment and receiver.

-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

The distance between user and products should be no less than 20cm.

IC STATEMENT

This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to
the following two conditions:

(1)This device may not cause interference; and

(2)This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes :

(1)l'appareil ne doit pas produire de brouillage, et

(2)l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.