

Product Specifications

HM-12RGB5A3-3A5BT

Product Name: RGBW/RGB+CCT 2 IN 1 Bluetooth Mesh LED Controller

RGBW + RGB+CCT

RGBW/RGB+CCT 2 IN 1 Bluetooth LED Controller

This controller works with rgbw and rgb+cct LED lamps

V+ V-
SET
BLEmesh
LED CONTROLLER
2 IN 1 RGBW/RGB+CCT

OUTPUT					
V+	R	G	B	W	
V+	R	G	B	CW	WW

Timing Scene MICROPHONE
16 million colors Call Reminder DIY mode

OPEN-LIT

Download on the App Store
GET IT ON Google Play

CE FC RoHS

Product description:

2 IN 1 Bluetooth mesh LED controller is a kind of multi-type led controller contain RGBW/RGB+CCT 2 kinds of controller inside it. It uses the latest Bluetooth Mesh module and Bluetooth networking technology. Use low power consumption both-way communication Bluetooth mesh chip to make sure controller have longer distance. The latest APP interface design makes the operation of color adjustment, brightness adjustment and saturation adjustment easier, faster and more humanized. The main functions are color and saturation adjustment, brightness adjustment, custom mode, timer, group, scene, call reminder, microphone and so on. This controller is with power off memory function, next time to used it, will start with the model it save. Mainly used to control all kinds of constant voltage led products, such as LED source, flexible strip, wall washer, glass curtain wall light and so on.

Product features:

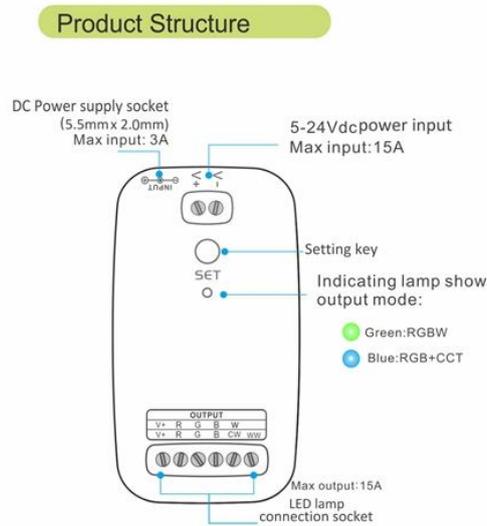
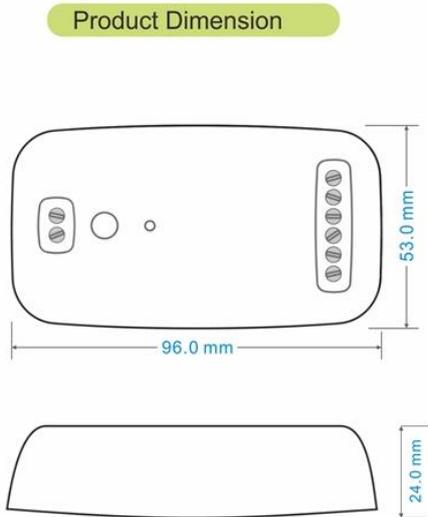


1. It's a multi-type controller contain: RGBW/RGB+CCT 2 kinds of LED controller type inside it;
2. It works with RGBW/RGB+CCT 2 kinds of DC9~24V led lamps.
3. Use low power consumption both-way communication Bluetooth chip to make controller have longer distance ;
4. Auto-transmitting function: this Bluetooth mesh controller can transmit the signals between each other within 30 meters, mesh network make control distance limitless.
5. Main functions: 16 million colors, DIY mode, Timer, Group, Scene, Phone calling reminder etc;
6. Special operation for color change and saturation change makes App interface stand out on the market ;
7. Can set any timer to turn on lamp, turn off lamp, and set different lighting mode alarms;
8. "OPEN-LIT" APP support wifi and Bluetooth mesh smart device.

Technical Parameters:

- Model No.: HM-12RGB5A3-3A5BT
- Input voltage: DC9V~24V
- Output voltage: DC9V~24V
- Working temperature: -30~55°C
- Static power consumption: <1W
- Connection mode: Common anode
- Dimension: L96XW53XH24mm
- Packing size: L116XW68XH29mm
- Carton size: L325XW260XH365mm(100pcs)
- Net weight: 45g Gross weight: 75g
- Output current: 5Channel Max: 15A
- Output power: Max: 9V:<135W,12V:<180W, 24V:<360W
- Output control: RGBW/ RGB+CCT LED lamps
- Certification: CE ROHS FCC (module)

External dimension:



How to switch device type?:

Switch device type

Setting key

Indicator lamp

RGBW / RGB+CCT 2 IN 1

Green: RGBW

Green indicator lamp: RGBW Controller

Blue: RGB+CCT

Blue indicator lamp: RGB+CCT Controller

Press and holding the "SET" button on controller for 3 seconds until indicator light changed;

- App will automatically change device type within 1 minute after the device has been switched.
- Please switch controller type before pair the controller
- If you switch controller after the device have finished the pairing, please re-pair the device again.

To switch RGBW/RGB+CCT controller ?

1. Indicator light have green and blue 2 colors. The corresponding device types are:

Green: RGBW Controller

Blue: RGB+CCT Controller

2. Switching controller by press and holding the "SET" button on controller for about 3 seconds until indicator light changed;

3. If controller has been switched after the device finished the pairing, please re-pair this device again.

You can also switch device type then start to pair device (suggest this way).

Connection description:

1. Power input interface:



Power 1: Adopt male and female connector with screw.

Power 2: Adopt the DC female Connector.

2. Power output interface:



Adopt male and female connector with screw.

Input:

V+: For power input + (power supply voltage DC9V-24V)

V-: For power input -

Output:

V+: For Load Common anode

R: Load output Red channel

G: Load output Green channel

B: Load output Blue channel

W: Load output white channel

CW: Load output cold white channel

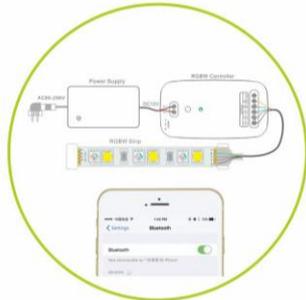
WW: Load output warm white channel

Pictures:



Configuration:

Easy pairing, easy operation



1 Install power supply, controller and LED lamp then power on, Open WiFi via mobile phone.



2 Scan QR Code to download "OPEN-LIT" APP and register a app account.



3 Enter "Device" interface, Click "+" to add new device, then click "Add bluetooth device".



4 After the configuration, click "Back" and app will enter "Device" interface.



5 Operate the lamp to start your intelligent life.

1. Install power supply, controller and LED lamp then power on, Open Bluetooth via mobile phone.
2. Scan QR Code to download the APP via mobile phone, or search "OPEN-LIT" in APP Store or Google play→Turn on APP , click "Register" in the top right→Enter your email→Set your password→click "Register".
3. After login, enter "Device" interface, Click "+" to add new device, then click " Add Bluetooth device" to start configuration. Then APP will remind you if it complete the configuration within 40 seconds.
4. After the configuration, click "Back" and app will enter "Device" interface. Please click " Continue to configure" if the configuration failed or you want to configure next device.
5. Open the "Device" interface, operate the lamp to start your intelligent life.

Notice: Device need to be restored factory defaults (if device has been configured to other app account before or you have failed to configure device many times)

Restore factory setting operation steps: press the "set" button once until the lamp flashes, this means factory setting successfully.

App interface and function introduce:

2 IN 1 LED CONTROLLER

Compatible with RGBW/RGB+CCT
2 kinds of LED lamps



RGBW

Support 10%~100% 6 kinds of brightness shortcut keys and 2700k~6500k 6 kinds of color temperature shortcut keys.

RGB+CCT

Slide left and right to change lamp color, slide up and down to change saturation

(1) RGBW LED Controller type



Group

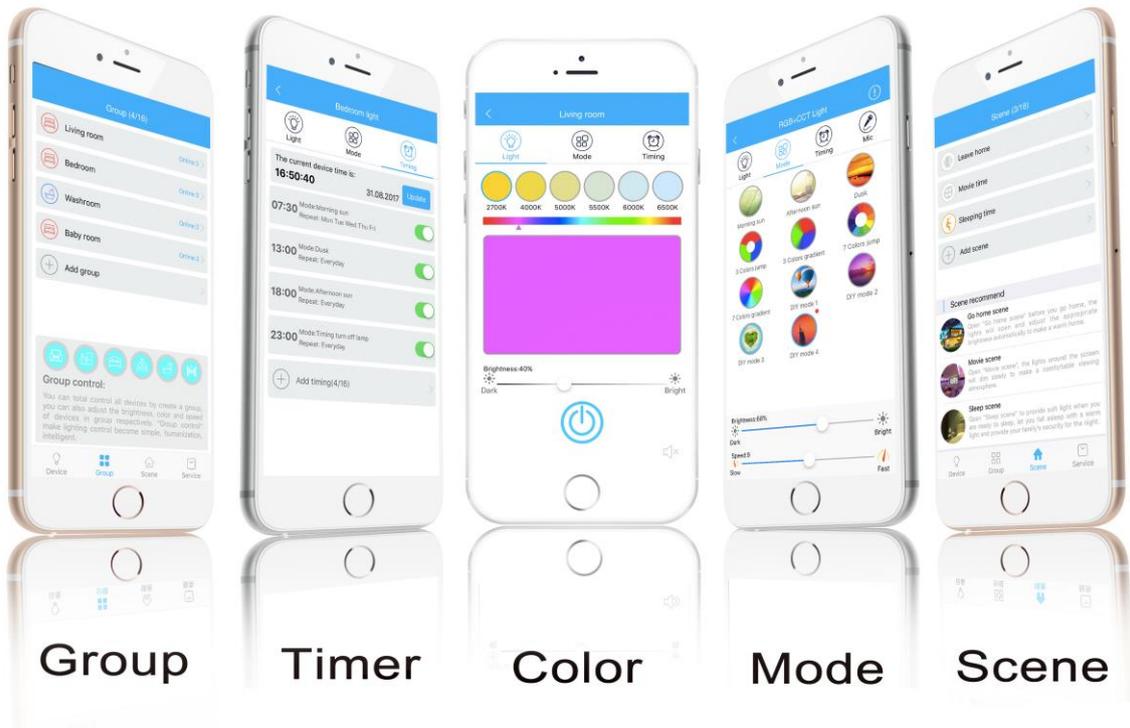
Timer

Color

Mode

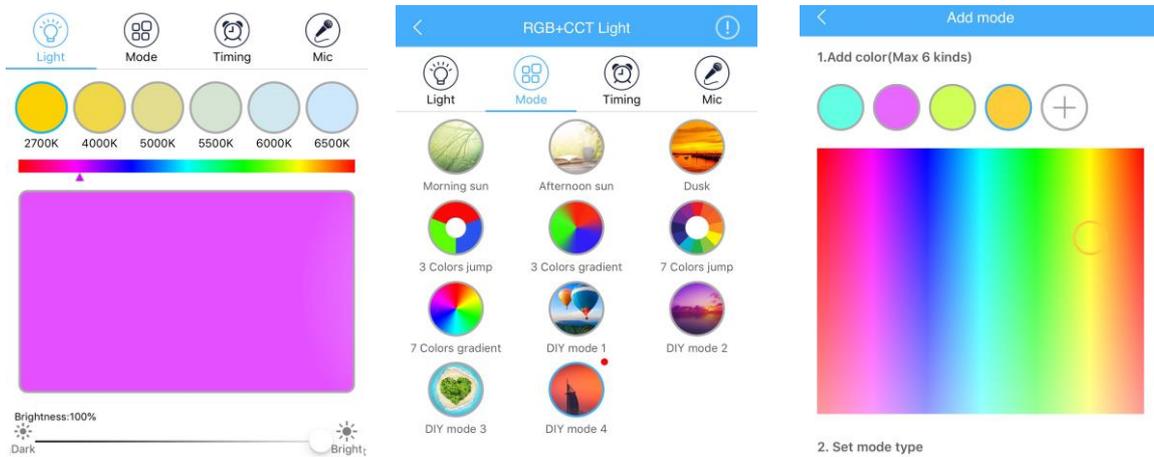
Scene

(2) RGB+CCT LED Controller type



APP main Interface introduce: such a sample as when you use it as a RGBCW controller type.

1. Color adjustment , saturation control, color temperature adjustment, DIY mode



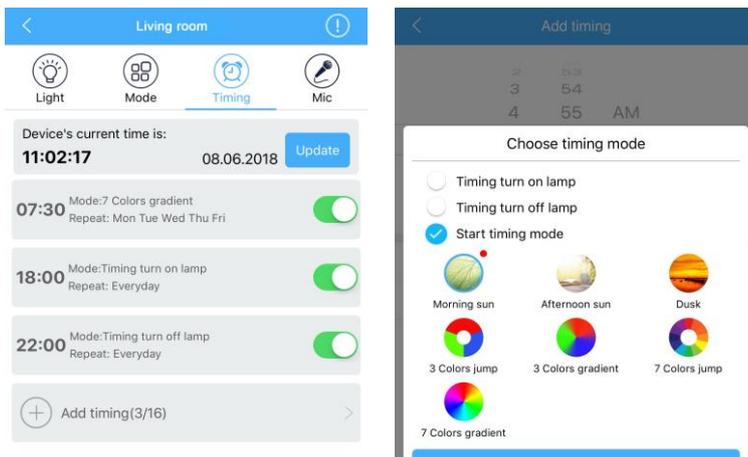
1.1. With 6 color temperature shortcut keys, slide left and right of the color palette to adjust colors, slide up and down to adjust saturation.

1.2. With 9 dynamic modes and 4 DIY modes.

1.3. Click "Add" to add DIY modes, long press DIY mode can reedit and delete this mode.

1.4. Add at most 4 DIY modes in each light, every DIY mode can add 6 colors

2. Timer function

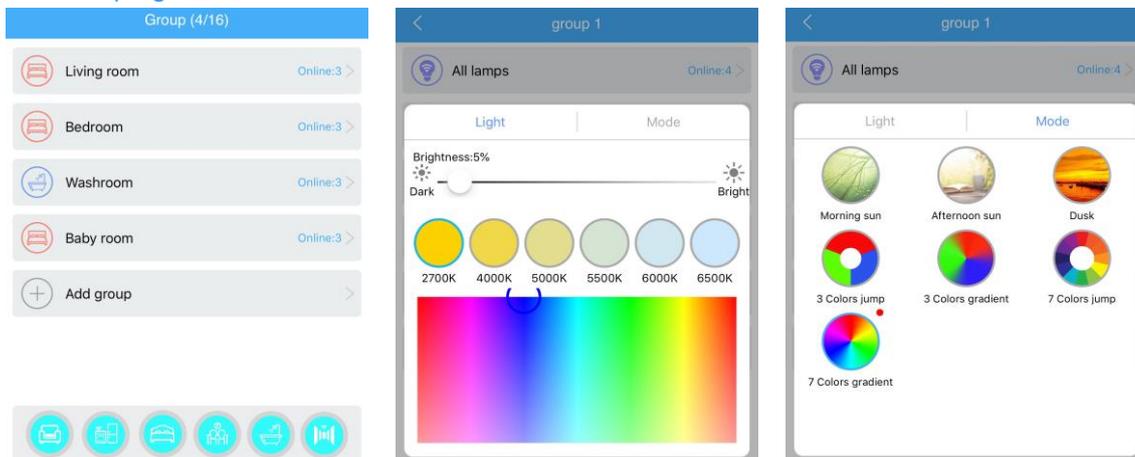


2.1. Add at most 16 timers in each device;

2.2. Timer function can set any timer to turn on lamp, turn off lamp, and set different lighting mode alarms.

2.3. Slide left can delete timer.

3. Grouping function



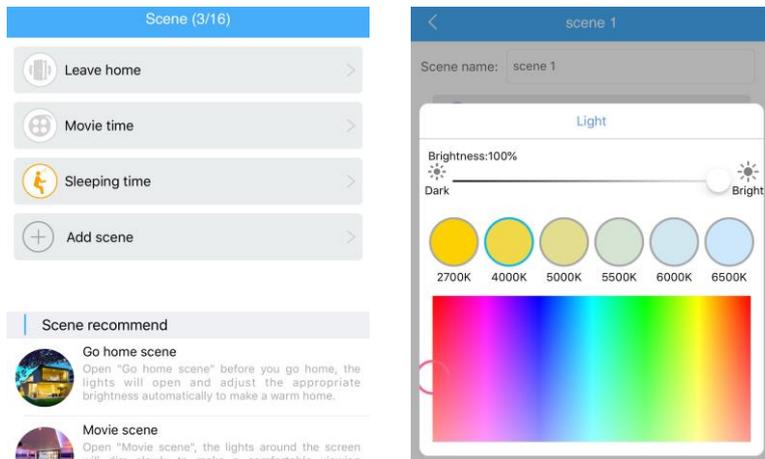
3.1 Add at most 16 Bluetooth groups, a Bluetooth device can be added to 8 groups at most;

3.2 Slide left can delete group or delete the device in the group;

3.3 Slide left can rename group.

3.4 can adjust the different brightness or set the different lighting mode of the device in the group.

4. Scene function

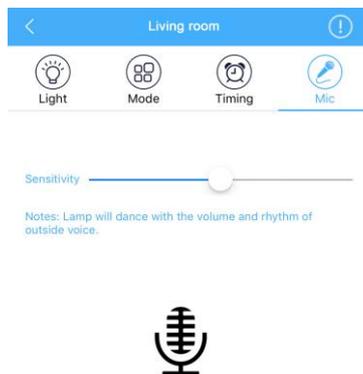


- 4.1. Add at most 16 Bluetooth scenes, add at most 10 WIFI scenes, ;
- 4.2. Can set sleep, reading, cooking, movie different scenes via adjust the color, brightness and color temperature.
- 4.3. Slide left can delete and rename scene.

5. Phone call reminder

- 5.1. Users can preset different light mode when use phone call reminder function. please revert the your mode or colors after finished the calling reminder setting.
- 5.2. Please ensure that the device and mobile phone are connected, if disconnected, call reminder can not be enabled;
- 5.3. The phone call remainder in iOS system only support Bluetooth device, do not support WiFi device.

6. Microphone function.



- 6.1 Open Microphone then the lamp will change with the outside voice.
- 6.2 If you use microphone to play some music , suggest play some fast-tempo songs.
- 6.3. Please ensure that the device and mobile phone are connected, if disconnected, Microphone can not be enabled;

7. If the device can't be controlled / added?

- 7.1 Check if the Bluetooth is open in your phone;
- 7.2 Please check if the device with correct installing and power on;
- 7.3 Device and phone as close as possible when you are ready to pair them;

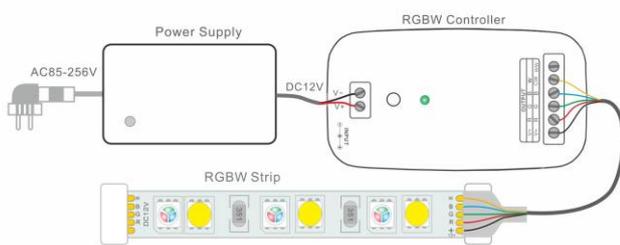
7.4 Check if the device is waiting for network configuration, if the device has been paired before, please restore factory setting via press the “SET” button once until the lamp flashes. then repair the device again;

7.5 If you can't find your device in “device” interface , pull down to refresh the device list in the app “Device” interface.

Typical Application:

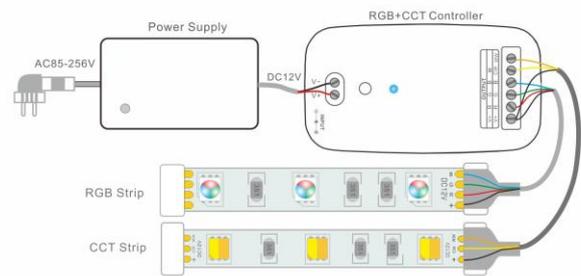
Use as RGBW Controller

If the default device type are not RGBW type, you can switch controller's indicator light to green and then start to control RGBW light.



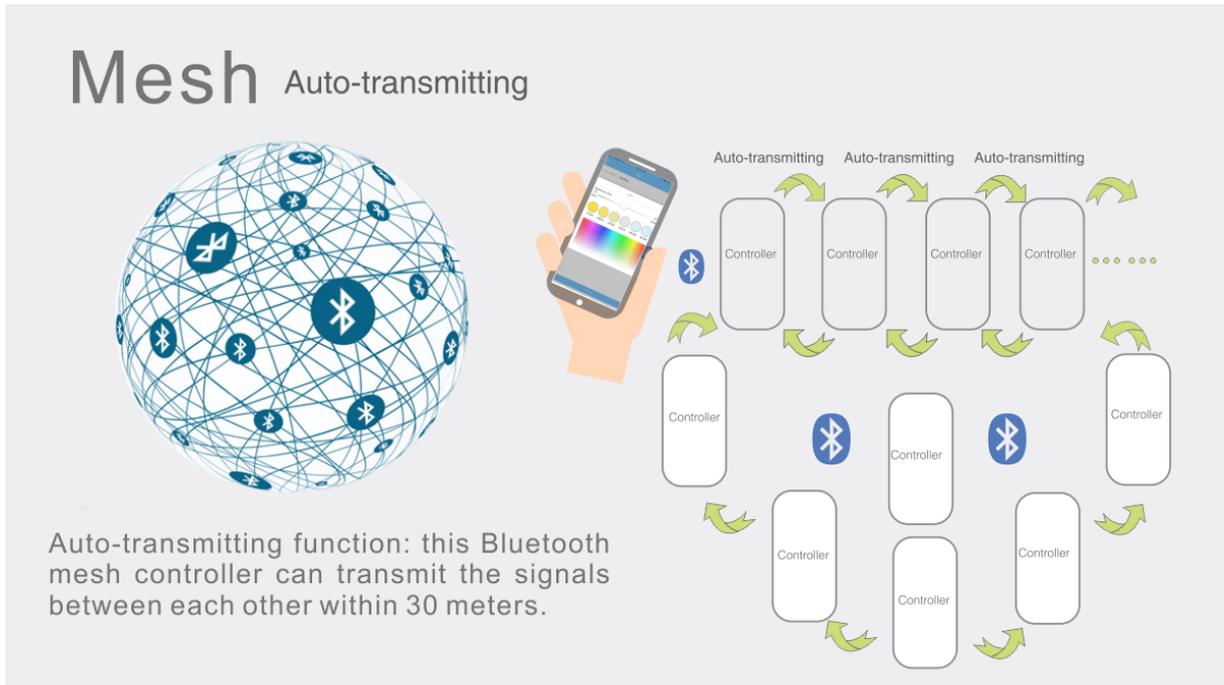
Use as RGB+CCT Controller

If the default device type are not RGB+CCT type, you can switch controller's indicator light to blue and then start to control RGB+CCT light.



Notice:

- 1.Support Android 4.4 or above version, IOS8.3 or above system;
2. One app can control 50 Bluetooth mesh devices, the actual quantity is depended on the actual application site;
- 3.When using more Bluetooth devices, please make sure the distance between every device not exceed 30 meters.
4. A bluetooth device can only be paired by an APP account. If A bluetooth device is successfully paired by A family member A, then other family members B, C and D can log in the same APP account of A to control the device.



Cautions:

(Indoor use and for use with led lighting only)

1. Controller's input voltage is DC9-24V, other input voltage are not allowed, please pay attention to safety when connected.
2. Please connecting the power input and LEDs in power off, and power on in correct connection. Please don't reverse the power input connection of both cathode and anode.
3. Please do not overload, the total max output current is 5A/ch Max:15A.
4. Please power off the device if you don't use it for a quit long time, don't place in high dust, high temperature environment.
5. Lead wire should be connected correctly, according to the wire color and the connecting diagram offers.
6. Please do not used the controller around a wide range of mental area or do not used nearby strong electromagnetic wave area, otherwise, it will seriously affect the remote distance.
- 7.Please don't use it in metal seal environment, otherwise control distance will be affected seriously.